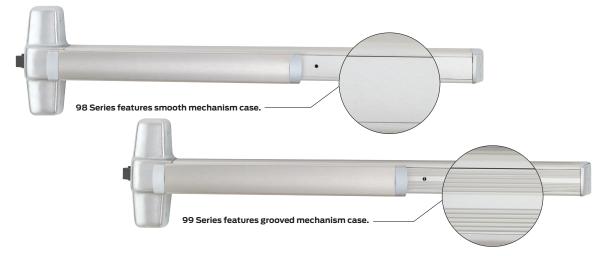


# VON DUPRIN. 98/99™ Series Exit devices

# Introduction

Exit devices are a critical part of the fire and life safety egress system and will provide safe and reliable service when properly applied and maintained. Von Duprin designs and manufactures exit devices in accordance to ISO 9001 Quality Management System and meets or exceeds accepted U.S. domestic and International standards. All 98 and 99 Series exit devices are UL listed for panic hardware or fire hardware, and are certified to ANSI A156.3, 2008, Grade 1. Many models are also certified for Hurricane Resistant Applications. Consult your local Security & Safety consultant (SSC) or the Von Duprin factory for current listings.

It is intended that the information included in this publication, when properly used, will provide clear and reliable guidelines to the proper general selection and application. However, the scope of the information is necessarily limited.



Von Duprin exit devices are available in two external surface styles, designated 98 and 99 Series.



The Quiet One® A fluid damper decelerates the pushpad on its return stroke and eliminates most noise associated with exit device operations. Furnished on all 98/99<sup>™</sup> Series exit devices.





Latch bolt Deadlocking latchbolt provides security and improved performance at standard device cost.

VON DUPRIN Administrative Offices 2720 Tobey Dr. Indianapolis, IN 46219 **Customer Service** 877-671-7011 800-999-0328 - Fax Technical Support 877-671-7011

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| Trim                                          | 9                               | Trim                                          |
| XP rim devices                                |                                 | XP rim dev                                    |
| XP98/99                                       | 12                              | XP98/99-F                                     |
| Trim                                          | 13                              | Trim                                          |
| Mortise lock devices                          |                                 | Mortise loo                                   |
| 9875/9975                                     | 16                              | 9875/9975                                     |
| Trim                                          | 17                              | Trim                                          |
| Surface mounted<br>Vertical rod devices       |                                 | Surface m<br>Vertical ro                      |
| 9827/9927                                     | 20                              | 9827-F/99                                     |
| Trim                                          | 21                              | Trim                                          |
| Three-point latching devic                    | ces                             | Three-poir                                    |
| 9857/9957                                     | 24                              | 9857-F/99                                     |
| Trim                                          | 25                              | Trim                                          |
| Concealed vertical<br>rod devices             |                                 | Concealed<br>rod device                       |
| 9847/9947                                     | 28                              | 9847-F/99                                     |
| Trim                                          | 29                              | Trim                                          |
| 9848/9948                                     | 32                              | 9848-F/99                                     |
| Trim                                          | 33                              | Trim                                          |
| Concealed vertical<br>cable devices           |                                 | Concealed cable devi                          |
| 9849/9949                                     | 36                              | 9849-F/99                                     |
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| 9847WDC/9947WDC                               | 40                              | 9847WDC-                                      |
| Trim                                          | 41                              | Trim                                          |
| Wood door concealed                           |                                 | Wood door                                     |
| THIS PRODUCT IS C                             | DBSOLETE if<br>ee pages 48-51 f | t <b>is replaced by</b><br>or more informatio |
| Trim                                          | 45                              | Trim                                          |
| Wood door concealed<br>vertical cable devices |                                 | Wood door<br>vertical ca                      |
| 9850WDC/9950WDC                               | 48                              | 9850WDC-                                      |
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|                                               |                                 |                                               |

| <b>á</b>                                             |                   |
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| Wood door concealed                                  |                   |
| placed by the 98/9950 WE<br>e information./9949WDC-F | о <b>С.</b><br>46 |
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# Options and accessories

| Applications<br>& trim<br>operation | Single & double door applications<br>Door handing<br>Outside trim operation<br>Lever styles  | Electrical<br>options     | RX Request to exit<br>LX Latchbolt monitoring<br>SS Signal switch<br>CX Chexit <sup>®</sup><br>ALK Alarm kit<br>E Electric mortise lock device |
|-------------------------------------|----------------------------------------------------------------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Trim<br>options                     | Knob<br>Thumbpiece<br>Lever                                                                  |                           | EL Electric latch retraction<br>QEL Quiet electric latch retraction<br>CON Allegion Connect                                                    |
|                                     | Electrified outside lever trim (E996L)<br>Breakaway lever<br>Thumbturn control               | Electrical<br>accessories | Power supplies<br>Electric power transfer                                                                                                      |
|                                     | Hospital pull<br>Offset pull<br>Vandal resistant pull<br>AD-Series adaptable electronic trim | Mechanical<br>options     | XP98/99 rim exit device<br>WS Surface vertical rod exit device<br>Less bottom rod<br>AX Accessible device<br>Pullman latch                     |
| Strike<br>options                   | Strike/Stile information<br>Strikes                                                          |                           | Dummy push pad<br>Braille, embossed, knurled and safety glow<br>(Luminescent) touchpads                                                        |
| Dogging<br>options                  | Cylinder dogging<br>Hex key dogging<br>Less dogging                                          | Pneumatic<br>options      | Pneumatic controlled exit devices<br>Pneumatic power transfer                                                                                  |
| Symbols                             | Dogging keys<br>Special center case dogging<br>Double cylinder                               | Device<br>accessories     | Glass bead kit<br>Vertical rod and latch guard<br>Cover plate kits<br>Cylinders<br>Mullions                                                    |
|                                     |                                                                                              | Additional                | Sex bolts ANSI Function, grade & type                                                                                                          |
|                                     |                                                                                              | information               | Ul fire labeling and opening size                                                                                                              |

Finishes Standa

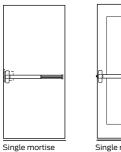
Standard & special finishes

# Nomenclature – how to order

| None           | Standard                                                                      | EL    | 99       | 27 | -L | -16 | -F | LBR | 3'       | US3        | RHR       |
|----------------|-------------------------------------------------------------------------------|-------|----------|----|----|-----|----|-----|----------|------------|-----------|
| SD             | Special dogging R/VR - panic only                                             | ·     |          |    |    |     | -  |     | <u> </u> |            |           |
| CD             | Cylinder dogging - panic only                                                 |       |          |    |    |     |    |     |          |            |           |
| cx             | Chexit                                                                        |       |          |    |    |     |    |     |          |            |           |
| E<br>QEL       | Electric locking mortise/lever<br>Quiet electric latch retraction             |       |          |    |    |     |    |     |          |            |           |
| ĒL             | Electric latch retraction                                                     |       |          |    |    |     |    |     |          |            |           |
| LX             | Latch bolt monitoring                                                         |       |          |    |    |     |    |     |          |            |           |
| RX             | Request to exit                                                               |       |          |    |    |     |    |     |          |            |           |
| RX2<br>SS      | Double request to exit<br>Signal switch                                       |       |          |    |    |     |    |     |          |            |           |
| AX             | Accessible device                                                             |       |          |    |    |     |    |     |          |            |           |
| PL             | Pullman latch                                                                 |       |          |    |    |     |    |     |          |            |           |
| PN             | Pneumatic latch retraction                                                    |       |          |    |    |     |    |     |          |            |           |
| WS<br>XP       | Surface vertical rod exit device                                              |       |          |    |    |     |    |     |          |            |           |
| WS             | Heavy protection - rim                                                        |       |          |    |    |     |    |     |          |            |           |
| W5             | Tornado & hurricane tested                                                    |       |          |    |    |     |    |     |          |            |           |
| 98             | Series 98-smooth                                                              |       |          |    |    |     |    |     |          |            |           |
| 99             | Series 99-grooved                                                             |       |          |    |    |     |    |     |          |            |           |
| None           | Rim device                                                                    |       |          |    |    |     |    |     |          |            |           |
| 27             | Surface mounted vertical rod device                                           |       |          |    |    |     |    |     |          |            |           |
| 47             | Concealed vertical rod device                                                 |       |          |    |    |     |    |     |          |            |           |
| 47WDC<br>48    | Concealed vertical rod wood door device<br>Concealed vertical rod device      |       |          |    |    |     |    |     |          |            |           |
| 48<br>49       | Concealed vertical cable device                                               |       |          |    |    |     |    |     |          |            |           |
| 49WDC          | Concealed vertical cable wood door device                                     |       |          |    |    |     |    |     |          |            |           |
| 57             | Three-point latch device                                                      |       |          |    |    |     |    |     |          |            |           |
| 75             | Mortise lock device                                                           |       | /        |    |    |     |    |     |          |            |           |
| AD             | AD Trim (to come from client)                                                 |       |          |    |    |     |    |     |          |            |           |
| DT<br>EO       | Dummy trim<br>Exit only                                                       |       |          |    |    |     |    |     |          |            |           |
| HL             | Hospital pull trim                                                            |       |          |    |    |     |    |     |          |            |           |
| К              | Knob                                                                          |       |          |    |    |     |    |     |          |            |           |
| K-BE<br>K-DT   | Knob - blank escutcheon<br>Knob, rigid - dummy trim                           |       |          |    |    |     |    |     |          |            |           |
| K-NL           | Knob, rigid - night latch                                                     |       |          |    |    |     |    |     |          |            |           |
| L              | Lever (classroom)                                                             |       |          |    |    |     |    |     |          |            |           |
| L-BE           | Lever - blank escutcheon                                                      |       |          |    |    |     |    |     |          |            |           |
| L-DT<br>L-NL   | Lever, rigid - dummy trim<br>Lever, rigid - night latch                       |       |          |    |    |     |    |     |          |            |           |
| NL             | Night latch                                                                   |       |          |    |    |     |    |     |          |            |           |
| NL-OP          | Night latch cylinder assembly, optional pull                                  |       |          |    |    |     |    |     |          |            |           |
| TL<br>TL-BE    | Turn lever<br>Turn lever - blank escutcheon                                   |       |          |    |    |     |    |     |          |            |           |
| TP             | Thumbpiece                                                                    |       |          |    |    |     |    |     |          |            |           |
| TP-BE          | Thumbpiece - blank escutcheon                                                 |       |          |    |    |     |    |     |          |            |           |
| XX             | Lever style 06 standard                                                       |       |          |    |    |     |    |     |          |            |           |
|                | Optional 01, 02, 03, 05, 07, 12 (Handed),                                     |       |          |    |    |     |    |     |          |            |           |
|                | 16 (Omega), 17, 18, Accent, Asti, Merano, St. A                               | Annes |          |    |    |     |    |     |          |            |           |
| F              | Fire exit device                                                              |       |          |    |    |     |    |     |          |            |           |
|                |                                                                               |       |          |    |    |     |    |     |          |            |           |
| -2             | Double cylinder (rim & mortise only)                                          |       |          |    |    |     |    |     |          |            |           |
| LBR            | Less bottom rod                                                               |       | -        |    |    |     |    |     |          |            |           |
| LBL<br>SG      | Less bottom latch<br>Safety glow (luminescent) touchpad                       |       |          |    |    |     |    |     |          |            |           |
| ALK            | Alarm kit                                                                     |       | - [      |    |    |     |    |     |          |            |           |
| ALK-AR1        | Auto-reset 11/2 minute alarm kit                                              |       |          |    |    |     |    |     |          |            |           |
| ALK-AR3        | Auto-reset 3 minute alarm kit                                                 |       |          |    |    |     |    |     |          |            |           |
| ALK-AR6<br>CON | Auto-reset 4½ minute alarm kit<br>Allegion Connect                            |       |          |    |    |     |    |     |          |            |           |
|                | -                                                                             |       |          |    |    |     |    |     |          |            |           |
| 2'<br>3'       | 2' Device (2' door size) 27, 47 or 49 only<br>3' Device (2' 4"– 3' door size) |       | $\vdash$ |    |    |     |    |     |          |            |           |
| 4'             | 4' Device (2' 10"– 4' door size)                                              |       |          |    |    |     |    |     |          |            |           |
| Plant de       |                                                                               |       |          |    |    |     |    |     |          |            |           |
| Finishes       | US3, US4, US10, US26, US26D, US28, 313, 31<br>US32D – 98 ONLY                 | CI    |          |    |    |     |    |     |          |            |           |
|                | -AM Antimicrobial (available US26D and US                                     | 532D) |          |    |    |     |    |     |          |            |           |
|                |                                                                               | •     |          |    |    |     |    |     |          |            |           |
| -LHR<br>-RHR   | Left hand reverse<br>Right hand reverse                                       |       | $\vdash$ |    |    |     |    |     |          |            |           |
|                | Monthand revelae                                                              |       | /        |    |    |     |    |     |          | n Duprin ( | 98/99 Sei |

# Popular double door applications

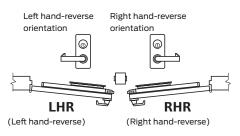
### Single door applications



Single rim device

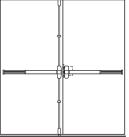
Single mortise lock device

### Door handing

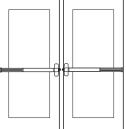


Outside

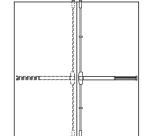
### **Double door applications**



Mortise lock and surface mounted or concealed vertical cable/rod device combination—same direction

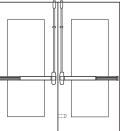


Two rim devices with mullion same direction

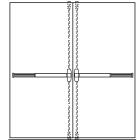


Two vertical rods—double egress

Two surface mounted vertical rod Two devices—same direction (do not use cal with overlapping astragal) lat



Two fire exit hardware vertical cables/rods with auxilary fire latch-LBR option



Two concealed vertical cables/rods

# Outside trim operation

### Trim operation lever or knob



Key locks and unlocks lever or knob. e.g., 996L (Classroom)

### 996L Breakaway™ lever



The 996L Breakaway trim has become the standard lever trim offering on the 98L/99L Series devices. The Breakaway design is especially effective in areas where vandalism to door hardware is a problem. The design intent is to discourage costly repairs from becoming necessary. The Breakaway feature is not available on the NL (night-latch) or DT (dummy trim) versions.

(Storeroom)

Night latch

Key retracts latch bolt. Lever or knob

is rigid. Use NL suffix, e.g. 996LNL.

### Blank escutcheon



Lever or knob always active. Use BE suffix, e.g., 996L-BE. (Passage)

Lever or knob rigid for pull operation. Use DT suffix, e.g., 996L-DT.

### 374T/376T Series thumbturn control



Standard operation, key locks and unlocks thumbturn. Optional operation, key unlocks thumbturn, re-locks when key is removed. This operation is created by changing the cylinder plate included with control. Use 1 ¼" mortise cylinder with a straight cam. Schlage cam reference L583-475. Use with a pull trim (990DT pictured).

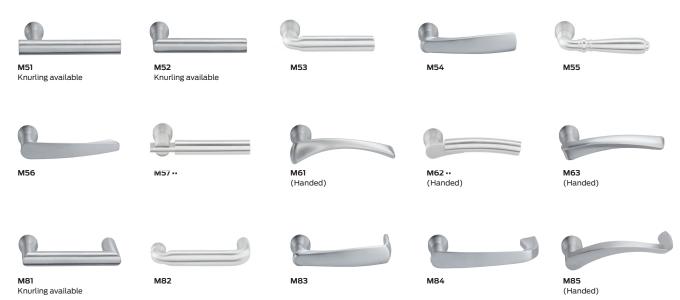
### on

Dummy



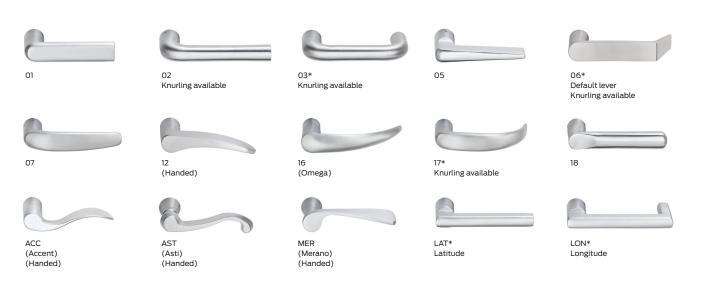
# Lever styles

### **Decorative levers**



·· Available in Stainless Steel substrate ONLY.

### **Standard Levers**



\*Available in Stainless Steel - specify SS when ordering

# 98/99 Rim exit device





The 299 Strike ships standard, optional strikes available

Hex key dogging comes standard on 98/99 Rim exit devices



exit hardware. Devices are ANSI A156.3 - 2014 Grade 1. The 98 device has a smooth mechanism case and the 99 device has a grooved case. The rim device is non-handed except when the following device options are used: SD (special dogging), -2 (double cylinder) or SS (signal switch). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs – consult template).

98 and 99 Rim exit devices for all types of single and double doors with mullion, UL listed for panic

Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

### Specifications

| Specifications                                                                                  |                                                                                                                                                                                                  |                                                                                                              | CD                                   |
|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Device functions                                                                                | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                       | • 90° latch-to-<br>strike contact                                                                            | • Repl<br>dogs                       |
| Device lengths                                                                                  | 3'         2'4' to 3' (711mm to 914 mm) Door size           4'         2'10" to 4' (864 mm to 1219 mm) Door size                                                                                 | Force resistance<br>of 2,000+ lbs.                                                                           | • Requirement                        |
| Device centerline<br>from finished floor                                                        | 39 <sup>13</sup> /16" (1011 mm)<br>39 <sup>11</sup> /16" (1008 mm) with mullion                                                                                                                  |                                                                                                              | with                                 |
| Center case<br>dimensions                                                                       | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                          | QEL<br>Quiet electric                                                                                        | RX<br>Push                           |
| Mechanism case<br>dimensions                                                                    | 2¼" x 2¼" (57mm x 57mm)                                                                                                                                                                          | <ul> <li>latch retraction</li> <li>Bolt retraction via<br/>switch</li> </ul>                                 | • Sign                               |
| ProjectionPushbar neutral $- 3^{13}/_{16}$ " (97 mm)Pushbar depressed $- 3^{1}/_{16}$ " (78 mm) |                                                                                                                                                                                                  | Converts exit<br>door to push-pull                                                                           | • SPD<br>mon                         |
| Latch bolt                                                                                      | Deadlocking, 3/4" (19mm) throw                                                                                                                                                                   | operation                                                                                                    |                                      |
| Fasteners & sex<br>bolts (SNB)                                                                  | Includes screw pack for 1³/4" (44mm) and 2¹/4" (57mm) thick<br>metal or wood doors. Optional 425 SNB available,<br>see page 9 for quantities.                                                    | CX<br>Chexit delayed<br>exit                                                                                 | AX<br>Acces                          |
| Electric options                                                                                | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch | <ul> <li>Meets NFPA 101<br/>requirements</li> <li>Self-contained<br/>controls, locking,<br/>alarm</li> </ul> | • Exce<br>BHM<br>requ                |
|                                                                                                 | CXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect                                                                                                         | EL<br>Electric latch<br>retraction<br>• Enables remote                                                       | ALK<br>Alarn<br>• Una                |
| Mechanical<br>options                                                                           | -2Double cylinderAXAccessible deviceGBKGlass bead kitPNPneumatic latch retraction                                                                                                                | unlatching<br>• Alternative to<br>manual dogging                                                             | 85-c<br>• Set i<br>disa<br>by ke     |
|                                                                                                 | XPExtra protectionSNBSex boltsSECSecurity screws                                                                                                                                                 | PN<br>Pneumatic latch                                                                                        | CON<br>Allegi                        |
| Dogging feature                                                                                 | Hex key dogging standard                                                                                                                                                                         | For areas where                                                                                              | • Com                                |
| Dogging options                                                                                 | CDCylinder doggingSDSpecial center case doggingLDLess doggingDIDogging indicatorCICylinder dogging indicator                                                                                     | <ul> <li>Special linkage<br/>for mechanical or<br/>pneumatic<br/>dogging</li> </ul>                          | conr<br>conr<br>door<br>the v<br>pow |
| Strikes                                                                                         | 299 – Dull black                                                                                                                                                                                 |                                                                                                              |                                      |

# linder dogging

CD

XP

eplaces hex key ogging equires 11/4" ortise cylinder ith inverted cam

### shpad monitor itch

- gnals use of an Sening
- PDT switch to
- onitor pushpad

### cessible device L certified to

- neet new 5 lb. naximum perating force quirement
- ceeds ANSI/ HMA
- quirements

### ırm exit kit

- nauthorized pening triggers 5-decibel horn et in armed or
- sarmed mode / key

### egion nnectors

ommon onnectors to nnect various oor hardware all e way to the ower supply

| Standard trim                            |                                    |                                                                                          |                                                                                          |                                                                          |
|------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged                                                     | NL<br>Night latch<br>Key retracts latchbolt                                              | NL-OP<br>Night latch<br>Key retracts latchbolt<br>optional pull required |
| Product description                      | 98EO<br>99EO                       | 98DT<br>99DT                                                                             | 98NL<br>99NL                                                                             | 98NL-OP<br>99NL-OP                                                       |
| Trim description                         | -                                  | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD                                                     |
| Escutcheon plate<br>size                 | _                                  | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                                        |
| Pull center to center                    | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | -                                                                        |
| Projection                               | -                                  | 2" (51mm)                                                                                | 2" (51mm)                                                                                | -                                                                        |
| ANSI function                            | 01                                 | 02                                                                                       | 03                                                                                       | 03                                                                       |
| Cylinder type                            | -                                  | -                                                                                        | Rim                                                                                      | Rim                                                                      |
| Handing                                  | -                                  | -                                                                                        | -                                                                                        | -                                                                        |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                          |
| Optional #425 SNB<br>quantity for device | 6                                  | 2                                                                                        | 2                                                                                        | б                                                                        |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 98L<br>99L                                                                                                            | 98L-NL<br>99L-NL                                                                                                      | 98L-BE<br>99L-BE                                                                                                      | 98L-DT<br>99L-DT                                                                                                      |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate size                    | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | —                                                                                                                     | -                                                                                                                     | —                                                                                                                     | —                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

# 98-F/99-F Rim exit device





The 299F Strike ships standard, optional strikes available



499F Strike with 9854/9954 mullion

RX

XP

**98-F and 99-F Rim fire exit devices** for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2014 Grade 1. The 98-F device has a smooth mechanism case and the 99-F device has a grooved case. The rim device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch). See opposite page for available outside trim and device functions.

**Finishes** – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

### Specifications

| Specifications                           |                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Device functions                         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                                                                     | • 90° latch-to-<br>strike contact                                                                                                                      | <ul><li>Pushpad monitor switch</li><li>Signals use of an</li></ul>                                                       |
| Device lengths                           | 3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                     | Force resistance<br>of 2,000+ lbs.                                                                                                                     | <ul> <li>opening</li> <li>SPDT switch to</li> </ul>                                                                      |
| Device centerline<br>from finished floor | 39 <sup>13</sup> /16" (1011 mm)<br>39 <sup>11</sup> /16" (1008 mm) with mullion                                                                                                                                                                |                                                                                                                                                        | monitor pushpad                                                                                                          |
| Center case<br>dimensions                | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                        | EL<br>Electric latch<br>retraction                                                                                                                     | ALK<br>Alarm exit kit                                                                                                    |
| Mechanism case<br>dimensions             | 2 <sup>1</sup> /4" x 2 <sup>1</sup> /4" (57mm x 57mm)                                                                                                                                                                                          | Enables remote     unlatching                                                                                                                          | Unauthorized     opening triggers     85-decibel horn                                                                    |
| Projection                               | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)<br>Pushbar depressed – 3 <sup>1</sup> /16" (78 mm)                                                                                                                                              | Alternative to manual dogging                                                                                                                          | <ul> <li>Set in armed or<br/>disarmed mode<br/>by key</li> </ul>                                                         |
| Latch bolt                               | Deadlocking, ¾ (19mm) throw                                                                                                                                                                                                                    |                                                                                                                                                        |                                                                                                                          |
| Fasteners & sex<br>bolts (SNB)           | Includes screw pack for $1^{3}/_{4}$ " (44mm) and $2^{3}/_{4}$ " (57mm) thick<br>metal or wood doors. Optional 425 SNB available for metal<br>doors. 425 & 825 SNB required on wood doors without SLM<br>blocking. See page 11 for quantities. | QEL<br>Quiet electric<br>latch retraction<br>• Bolt retraction via                                                                                     | CX<br>Chexit delayed<br>exit<br>• Meets NFPA 101                                                                         |
| Electric options                         | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trim                                                                                                                           | switch<br>• Converts exit<br>door to push-pull<br>operation                                                                                            | requirements<br>• Self-contained<br>controls, locking,<br>alarm                                                          |
| Mechanical<br>options                    | ELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect-2Double cylinderAXAccessible device                                       | AX<br>Accessible device<br>• UL certified to<br>meet new 5 lb.<br>maximum<br>operating force<br>requirement<br>• Exceeds ANSI/<br>BHMA<br>requirements | SG<br>Safety glow<br>• Shows exit door<br>location in<br>darkness or<br>smoke<br>• Developed to<br>meet MEA<br>standards |
|                                          | GBKGlass bead kitPNPneumatic latch retractionXPExtra protectionSNBSex boltsSECSecurity screwsSLMSpecial Laminate Material Blocking                                                                                                             | PN<br>Pneumatic latch<br>retraction<br>• For areas where<br>electrical devices                                                                         | CON<br>Allegion<br>Connectors<br>• Common<br>connectors to                                                               |
| Dogging option                           | No mechanical dogging. EL and QEL option available                                                                                                                                                                                             | • Special linkage                                                                                                                                      | connect various<br>door hardware all                                                                                     |
|                                          |                                                                                                                                                                                                                                                |                                                                                                                                                        |                                                                                                                          |

| Standard trim                                      | Standard trim                      |                                                                                          |                                                                                          |                                                                          |  |  |
|----------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--|--|
|                                                    | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for fire device)                | NL<br>Night latch<br>Key retracts latchbolt                                              | NL-OP<br>Night latch<br>Key retracts latchbolt<br>optional pull required |  |  |
| Product description                                | 98EO-F<br>99EO-F                   | 98DT-F<br>99DT-F                                                                         | 98NL-F<br>99NL-F                                                                         | 98NL-OP-F<br>99NL-OP-F                                                   |  |  |
| Trim description                                   | -                                  | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD                                                     |  |  |
| Escutcheon plate<br>size                           | _                                  | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | -                                                                        |  |  |
| Pull center to center                              | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | -                                                                        |  |  |
| Projection                                         | -                                  | 2" (51mm)                                                                                | 2" (51mm)                                                                                | -                                                                        |  |  |
| ANSI function                                      | 01                                 | 02                                                                                       | 03                                                                                       | 03                                                                       |  |  |
| Cylinder type                                      | -                                  | -                                                                                        | Rim                                                                                      | Rim                                                                      |  |  |
| Handing                                            | -                                  | -                                                                                        | -                                                                                        | -                                                                        |  |  |
| Optional trim                                      | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                          |  |  |
| #425 SNB optional<br>- HMD req. WD w/o<br>SLM pkg. | 6                                  | 2                                                                                        | 2                                                                                        | 2                                                                        |  |  |
| #825 SNB req. WD<br>w/o SLM pkg.                   | 2 (if using trim)                  | 2                                                                                        | 2                                                                                        | 2                                                                        |  |  |
| #425 SNB req.<br>w/ 499F                           | 2                                  | 2                                                                                        | 2                                                                                        | 2                                                                        |  |  |

|                                                    | L<br>Lever<br>Key locks & unlocks                                                           | L-NL<br>Lever – night latch<br>Key retracts latchbolt                                       | L-BE                                                                                        | L-DT                                                                                                                  |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Product description                                | 98L-F<br>99L-F                                                                              | 98L-NL-F<br>99L-NL-F                                                                        | 98L-BE-F<br>99L-BE-F                                                                        | 98L-DT-F<br>99L-DT-F                                                                                                  |
| Trim description                                   | 996L-R/V*                                                                                   | 996L-NL-R/V                                                                                 | 996L-BE-R/V*                                                                                | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                           | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | _                                                                                           | -                                                                                           | -                                                                                           | -                                                                                                                     |
| Projection                                         | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                |
| ANSI function                                      | 08                                                                                          | 03                                                                                          | 14                                                                                          | 02                                                                                                                    |
| Cylinder type                                      | Rim                                                                                         | Rim                                                                                         | -                                                                                           | -                                                                                                                     |
| Handing                                            | Handed/Reversible                                                                           | Handed/Reversible                                                                           | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     |
| #425 SNB optional<br>- HMD req. WD w/o<br>SLM pkg. | 2                                                                                           | 2                                                                                           | 2                                                                                           | 2                                                                                                                     |
| #825 SNB req. WD<br>w/o SLM pkg.                   | 2 (if using trim)                                                                           | 2                                                                                           | 2                                                                                           | 2                                                                                                                     |
| #425 SNB req.<br>w/ 499F                           | 2                                                                                           | 2                                                                                           | 2                                                                                           | 2                                                                                                                     |

# XP98/99 Rim exit device

XP98/99 Rim exit devices are designed for single and double doors with mullion that require increased security. The XP latch provides twice the static load force resistance of standard exit devices. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. Devices are ANSI A156.3 - 2014 Grade 1 and UL listed for panic exit hardware. The rim device is non-handed except when the following device options are used: SD (special dogging) or -2 (double cylinder). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs - consult template).





Hex key dogging comes standard on 98/99 Rim exit devices



CD

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

### Specifications

| Device functions       Device ships EO/DT/NL. Field selectable. For TP, K or L remove<br>NL drive screw from device.       Extra protection         Device lengths       3'       2'4' to 3' (71)mm to 9!4 mm) Door size       90' latch-to-<br>strike contact         Device centerline       39"/~" (1001 mm)       90' latch-to-<br>strike contact       90' latch-to-<br>strike contact         Genter case       8" x 2'/." x 2'/." (27mm x 70mm x 60mm)       90' latch-to-<br>strike contact       90' latch-to-<br>strike contact         Mechanism case       2'/." x 2'/." (57mm x 57mm)       90' latch-to-<br>strike contact       90' latch-to-<br>strike contact         Projection       Pushbar neutral – 3"/." (97 mm)<br>Pushbar depressed – 3/." (78 mm)       90' latch-to-<br>strike converts exit<br>door to push-pull<br>operation         Electric options       LX-LC       Latchbolt monitor switch, low current<br>RX Pushpad monitor switch,<br>ee page 13 for quantities.       90' latch-to-<br>strike converts exit<br>door to push-pull<br>operation         Lectric options       LX-LC       Latchbolt monitor switch,<br>RX Pushpad monitor switch<br>RX Duble pushpad monitor switch<br>E Electric latch retraction<br>CX Chexit delayed exit<br>ALK A caressible device<br>GBK Glass bead kit<br>SNB Sex bolts       90b' latch-to-<br>straction         Dogging feature<br>Dogging options       CD C Vinder dogging<br>CDS C Spicinder dogging with security indicator<br>HDS L Less dogging<br>D D Dogging indicator<br>CI C Vinder dogging indicator       CON<br>Allegion<br>connector stor<br>connect various<br>door hardware all<br>the way to the way to the<br>power supply | Specifications   | Specifications                                                                                                                                                      |                                                                                                               |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--|
| 4'       2'10" to 4' (864 mm to 1219 mm) Door size       of 2,000+ lbs.         Device centerline       39 "/=" (1011 mm)       form finished floor         39 "/=" (1008 mm) with mullion       39 "/=" (1008 mm) with mullion       OE         Center case       8" x 21/." x 22/." (203mm x 70mm x 60mm)       OE         dimensions       2'/." x 22/." (57mm x 57mm)       OE         Projection       Pushbar neutral – 3"/=" (97 mm)       - Converts exit door to push-pull operation via switch         Fasteners & sex       Includes screw pack for 1/2." (19mm) throw       - Converts exit door to push-pull operation         Fasteners & sex       Includes screw pack for 1/2." (27mm) and 21/4" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 13 for quantities.       - Meets NFPA 101 requirements         Electric options       LX-LC       Latch bolt monitor switch, low current RX pushpad monitor switch, low current RX pushpad monitor switch.       - Meets NFPA 101 requirements         EL       Electric lockring & unlocking trim       EL       EL       - Electric lockring at unlocking trim         EL       EL coluble cylinder (specify handing)       - 2       Double cylinder (specify handing)       - Enables remote unlatching         ALK       Alarm exit kit       SNB       Sex bolts       - Enables remote unlatching         Options       SEC       Security screws <t< td=""><td>Device functions</td><td></td><td>• 90° latch-to-</td></t<>                                                                                                                                                                                                 | Device functions |                                                                                                                                                                     | • 90° latch-to-                                                                                               |  |
| from finished floor       39*/*" (1008 mm) with mullion         Center case       8" x 2?/*" x2?/*" (203mm x 70mm x 60mm)         dimensions       2'/*" x 2?/*" (203mm x 70mm x 60mm)         Mechanism case       2'/*" x 2?/*" (57mm x 57mm)         dimensions       2'/*" x 2?/*" (57mm x 57mm)         Projection       Pushbar neutral – 3"/*" (97 mm)         Pushbar depressed – 3'/*" (78 mm)       Elot retraction via switch         Latch bolt       Deadlocking, */." (19mm) throw         Fasteners & sex       Includes screw pack for 1*/." (44mm) and 2'/." (57mm) thick metal or wood doors. Optional 425 SNB available, see page 13 for quantities.         Electric options       LX-LC       Latch bolt monitor switch, low current RX2       Double pushpad monitor switch         RX2       Double pushpad monitor switch       • Self-contained controls, locking, alarm         VEL       Quiet electric latch retraction       • Self-contained controls, locking, alarm         QEL       Quiet electric latch retraction       • Self-contained controls, locking, alarm         QEL       Quiet electric latch retraction       • Self-contained controls, locking, alarm         QEL       Quiet electric latch retraction       • Self-contained controls, locking, alarm         NB       Sex bolts       • Self-contained controls, locking, alarm         SNB       Sex bolts <t< td=""><td>Device lengths</td><td></td><td></td></t<>                                                                                                                                                                                                                                                  | Device lengths   |                                                                                                                                                                     |                                                                                                               |  |
| dimensionsQuiet electric<br>latch tetractionMechanism case<br>dimensions2'/." x 2'/." (57mm x 57mm)<br>(97 mm)<br>Pushbar depressed - 3'/." (97 mm)<br>Pushbar depressed - 3'/." (78 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                                                                                                                                                                     |                                                                                                               |  |
| Mechanical options       -2       Double pushpad monitor switch law control switch law controls, locking, alarm       -2         Mechanical options       -2       Double cylinder (specify handing)       -2         Mechanical options       -2       Double pushpad monitor switch law control symbol       -2         Mechanical options       -2       Double pushpad monitor switch retraction       -2         Options       -2       Double pushpad monitor switch retraction       -2         Options       AX       Accessible device       -3/ke'' (specify handing)         AX       Accessible device       -4/kernative to manual dogging         Obgging feature       Hex key dogging standard       CON         Dogging feature       Hex key dogging with security indicator       -2         Dogging indicator       CD       Cylinder dogging       -4/kerdaticat         Obgging options       CD       Cylinder dogging with security indicator       -4/kerdaticat         Dogging indicator       CD       Cylinder dogging with security indicator       -0/kerdaticator         Dogging indicator       CI       Cylinder dogging with security indicator       -0/kerdaticator         Dogging indicator       CI       Cylinder dogging indicator       -0/kerdaticator         Dogging indicator       CI                                                                                                                                                                                                                                                                                                                                                                                     |                  | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                             | Quiet electric                                                                                                |  |
| Projection       Pushbar neutral – 3 <sup>1</sup> /s <sup>1</sup> (19 mm)         Pushbar depressed – 3 <sup>1</sup> /s <sup>1</sup> (178 mm)       Converts exit         Latch bolt       Deadlocking, <sup>3</sup> /s <sup>1</sup> (19mm) throw         Fasteners & sex       Includes screw pack for 1 <sup>3</sup> /s <sup>1</sup> (44mm) and 2 <sup>1</sup> /s <sup>1</sup> (57mm) thick metal or wood doors. Optional 425 SNB available, see page 13 for quantities.         Electric options       LX-LC       Latchbolt monitor switch, low current RX       Neets NFPA 101 requirements         RX2       Double pushpad monitor switch       Meets NFPA 101 requirements       Self-contained controls, locking, alarm         EL       Electric locking & unlocking trim       EL       Electric locking & unlocking trim         EL       Electric latch retraction       QEL       Quiet electric latch retraction         QEL       Quiet electric latch retraction       CX         Conv Allegion Connect       Atk       Alarm exit kit         WP-RX       Waterproof request to exit       -2         Conv       Allegion Connect       -5 Electric latch retraction         AX       Accessible device       -6 Electric latch ing         SEG       Security screws       -1 Electric latch ing         Dogging feature       Hex key dogging with security indicator       -1 Enables remote unlatching         Dogging options       CD       Cylinder dogging with securit                                                                                                                                                                                                                          |                  | 2 <sup>1</sup> /4" x 2 <sup>1</sup> /4" (57mm x 57mm)                                                                                                               | Bolt retraction via                                                                                           |  |
| Laterbolt       Deadlocking, 74 (19thin) throw         Fasteners & sex<br>bolts (SNB)       Includes screw pack for 1³/4" (44mm) and 21/4" (57mm) thick<br>metal or wood doors. Optional 425 SNB available,<br>see page 13 for quantities.         Electric options       LX-LC       Latchbolt monitor switch, low current<br>RX       Pushpad monitor switch<br>RX2       Ouble pushpad monitor switch         Electric options       LX-LC       Latchbolt monitor switch<br>RX2       Double pushpad monitor switch       Meets NFPA 101<br>requirements         EL       Electric latch retraction<br>QEL       Quiet electric latch retraction<br>CX       Chexit delayed exit<br>ALK       Alarm exit kit         WP-RX       Waterproof request to exit<br>CON       Allegion Connect       Electric latch<br>retraction         Mechanical<br>options       -2       Double cylinder (specify handing)       AX       Accessible device<br>GBK       Glass bead kit         Dogging feature       Hex key dogging standard       CD       Cylinder dogging       Con<br>Connectors         Dogging options       CD       Cylinder dogging with security indicator<br>SD       Special center case dogging (specify handing)       Con<br>connectors to<br>connectors to<br>connectors to<br>connectors to<br>connect various<br>door hardware all<br>the way to the<br>power supply                                                                                                                                                                                                                                                                                                                              | Projection       | Pushbar depressed – 3 <sup>1</sup> /16" (78 mm)                                                                                                                     | Converts exit<br>door to push-pull                                                                            |  |
| bolts (SNB)metal or wood doors. Optional 425 SNB available,<br>see page 13 for quantities.CAElectric optionsLX-LCLatchbolt monitor switch, low current<br>RXPushpad monitor switch, low current<br>RX2Meets NFPA 101<br>requirementsRXPushpad monitor switch<br>EElectric locking & unlocking trim<br>ELSelf-contained<br>controls, locking,<br>alarmMeets NFPA 101<br>requirementsELElectric locking & unlocking trim<br>ELElectric latch retraction<br>QELQuiet electric latch retraction<br>CXChexit delayed<br>exitMechanical<br>options-2Double cylinder (specify handing)<br>AXAccessible device<br>GBKElectric latch<br>retractionDogging feature<br>Dogging optionsHex key dogging standard<br>CDCON<br>Cylinder dogging<br>CDSICON<br>Cylinder dogging with security indicator<br>HDSIAllegion<br>connect or connect various<br>door hardware all<br>the way to the<br>connect or sto connect various<br>door hardware all<br>the way to the<br>power supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Latch bolt       | Deadlocking, 3/4" (19mm) throw                                                                                                                                      | operation                                                                                                     |  |
| RXPushpad monitor switch<br>RX2Double pushpad monitor switch<br>RX2Pushpad monitor switch<br>requirementsRX2Double pushpad monitor switch<br>EElectric locking & unlocking trim<br>ELSelf-contained<br>controls, locking,<br>alarmELElectric latch retraction<br>QEL<br>QUiet electric latch retraction<br>CXChexit delayed exit<br>ALK<br>Alarm exit kitELMechanical<br>options-2Double cylinder (specify handing)<br>AX<br>Accessible device<br>GBK<br>Glass bead kit<br>SNB<br>Sec boltsELDogging feature<br>Dogging optionsHex key dogging standard<br>CDCD<br>Cylinder dogging<br>with security indicator<br>HDSI<br>LD<br>Less dogging<br>DI<br>Dogging indicatorCON<br>Allegion<br>Connector                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                  | metal or wood doors. Optional 425 SNB available,                                                                                                                    | Chexit delayed                                                                                                |  |
| WP-RXWaterproof request to exit<br>CONAllegion ConnectElectric latch<br>retractionMechanical<br>options-2Double cylinder (specify handing)<br>AXAccessible device<br>GBKElectric latch<br>retractionMechanical<br>options-2Double cylinder (specify handing)<br>AXAccessible device<br>GBKElectric latch<br>retractionMechanical<br>options-2Double cylinder (specify handing)<br>GBKAlternative to<br>manual doggingDogging feature<br>Dogging optionsHex key dogging standard<br>CDCDCylinder dogging<br>CDSICVDogging optionsCDCylinder dogging with security indicator<br>HDSIHex dogging with security indicator<br>SDSpecial center case dogging (specify handing)<br>LDConnect various<br>door hardware all<br>the way to the<br>power supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Electric options | RXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retraction             | <ul><li>requirements</li><li>Self-contained controls, locking,</li></ul>                                      |  |
| optionsAXAccessible deviceunlatchingGBKGlass bead kit· Alternative to<br>manual doggingSNBSex boltsSECSecurity screwsDogging featureHex key dogging standardDogging optionsCDCDCylinder dogging<br>CDSICDSICylinder dogging with security indicator<br>HDSIHex dogging with security indicatorSDSpecial center case dogging (specify handing)<br>LDLDLess dogging<br>DIDogging indicatorCICylinder dogging indicator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  | WP-RX Waterproof request to exit                                                                                                                                    | Electric latch                                                                                                |  |
| Dogging optionsCDCylinder dogging<br>CDSIAllegion<br>ConnectorsCDSICylinder dogging with security indicator<br>HDSIHex dogging with security indicator<br>SD· Common<br>connectors to<br>connectors to<br>connectors to<br>connect various<br>door hardware all<br>the way to the<br>power supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  | AX       Accessible device         GBK       Glass bead kit         SNB       Sex bolts                                                                             | unlatching<br>• Alternative to                                                                                |  |
| Dogging optionsCDCylinder dogging<br>CDSIAllegion<br>ConnectorsCDSICylinder dogging with security indicator- ConnectorsHDSIHex dogging with security indicator- Common<br>connectors to<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Dogging feature  | Hex key dogging standard                                                                                                                                            | CON                                                                                                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Dogging options  | CDSICylinder dogging with security indicatorHDSIHex dogging with security indicatorSDSpecial center case dogging (specify handing)LDLess doggingDIDogging indicator | Allegion<br>Connectors<br>• Common<br>connectors to<br>connect various<br>door hardware all<br>the way to the |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Strikes          | 909 – Dull black                                                                                                                                                    |                                                                                                               |  |

XP tra protection 0° latch-torike contact orce resistance 2,000+ lbs.

XP latch provides increased security

with its two piece

design.

### RX

### **Pushpad monitor** switch

Cylinder dogging

dogging Requires 1<sup>1</sup>/<sub>4</sub>"

Replaces hex key

mortise cylinder with inverted cam

- Signals use of an opening
- SPDT switch to
- monitor pushpad

### AX

- Accessible device UL certified to
- meet new 5 lb. maximum operating force
- requirement Exceeds ANSI/ BHMA
  - requirements

### ALK

- Alarm exit kit
- Unauthorized opening triggers 85-decibel horn
- Set in armed or disarmed mode by key

| Standard trim                            |                                    |                                                                                          |                                                                                          |                        |
|------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged                                                     | NL<br>Night latch<br>Key retracts latchbolt                                              | NL-OP                  |
| Product description                      | XP98EO<br>XP99EO                   | XP98DT<br>XP99DT                                                                         | XP98NL<br>XP99NL                                                                         | XP98NL-OP<br>XP99NL-OP |
| Trim description                         | _                                  | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD   |
| Escutcheon plate<br>size                 | _                                  | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | -                      |
| Pull center to center                    | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | -                      |
| Projection                               | -                                  | 2" (51mm)                                                                                | 2" (51mm)                                                                                | -                      |
| ANSI function                            | 01                                 | 02                                                                                       | 03                                                                                       | 03                     |
| Cylinder type                            | -                                  | -                                                                                        | Rim                                                                                      | Rim                    |
| Handing                                  | -                                  | -                                                                                        | -                                                                                        | -                      |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                        |
| Optional #425 SNB<br>quantity for device | 6                                  | 2                                                                                        | 2                                                                                        | 6                      |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | XP98L<br>XP99L                                                                                                        | XP98L-NL<br>XP99L-NL                                                                                                  | XP98L-BE<br>XP99L-BE                                                                                                  | XP98L-DT<br>XP99L-DT                                                                                                  |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

### Notes

98/99 Rim exit device

# KP98-F/99-F Rim exit device

XP98/99 Rim fire exit devices are designed for single (up to 4' x 10') and double doors (up to 8' x 10') with 9954-XP mullion that require increased security. The XP latch provides twice the static load force resistance of standard exit devices. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong. Devices are ANSI A156.3 - 2014 Grade 1 and UL listed for fire exit hardware. The rim device is non-handed except when the following device option is used: -2 (double cylinder). See Opposite page for available outside trim and device functions. Covers stock hollow metal doors with 86 or 161 cutouts on single doors (may cover cutouts on pairs - consult template).



909 Strike for fire rated single doors



Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

### Specifications

| Specifications                           |                                                                                                                                                                                                                                                                                                |                                                                                                             |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Device functions                         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                                                                                                                     | • 90° latch-to-<br>strike contact                                                                           |
| Device lengths                           | 3'         2'4' to 3' (711mm to 914 mm) Door size           4'         2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                                                               | • Force resistance<br>of 2,000+ lbs.                                                                        |
| Device centerline<br>from finished floor | 39 <sup>13</sup> /1 <sub>6</sub> " (1011 mm)<br>39 <sup>13</sup> /1 <sub>6</sub> " (1008 mm) with mullion                                                                                                                                                                                      |                                                                                                             |
| Center case<br>dimensions                | 8" x 2 <sup>3</sup> / <sub>4</sub> " x2 <sup>3</sup> / <sub>8</sub> " (203mm x 70mm x 60mm)                                                                                                                                                                                                    | EL<br>Electric latch                                                                                        |
| Mechanism case<br>dimensions             | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                                                                                                                                                                                                | <ul> <li>retraction</li> <li>Enables remote<br/>unlatching</li> </ul>                                       |
| Projection                               | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)<br>Pushbar depressed – 3 <sup>1</sup> /16" (78 mm)                                                                                                                                                                                              | Alternative to manual dogging                                                                               |
| Latch bolt                               | Deadlocking, 3/4" (19mm) throw                                                                                                                                                                                                                                                                 |                                                                                                             |
| Fasteners & sex<br>bolts (SNB)           | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) and 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick<br>metal or wood doors. Optional 425 SNB available for metal<br>doors. 425 & 825 SNB required on wood doors without SLM<br>blocking. See page 15 for quantities.               | QEL<br>Quiet electric<br>latch retraction<br>• Bolt retraction via                                          |
| Electric options                         | LX-LCLatchbolt monitor switch, low currentRXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trim                                                                                                                                                           | switch<br>• Converts exit<br>door to push-pull<br>operation                                                 |
|                                          | ELectric locking donocking diministration         EL       Electric latch retraction         QEL       Quiet electric latch retraction         CX       Chexit delayed exit         ALK       Alarm exit kit         WP-RX       Waterproof request to exit         CON       Allegion Connect | AX<br>Accessible device<br>• UL certified to<br>meet new 5 lb.<br>maximum<br>operating force<br>requirement |
| Mechanical<br>options                    | <ul> <li>-2 Double cylinder (specify handing)</li> <li>AX Accessible device</li> <li>GBK Glass bead kit</li> <li>SNB Sex bolts</li> </ul>                                                                                                                                                      | • Exceeds ANSI/<br>BHMA<br>requirements                                                                     |
|                                          | SECSecurity screwsSLMSpecial Laminate Material Blocking                                                                                                                                                                                                                                        | CON<br>Allegion                                                                                             |
| Dogging option                           | No mechanical dogging. EL and QEL option available                                                                                                                                                                                                                                             | Connectors                                                                                                  |
| Strikes                                  | 909 – Dull black, fire rated single doors<br>954 – Dull black, fire rated double doors                                                                                                                                                                                                         | Common<br>connectors to<br>connect various                                                                  |

increased security with its two piece design.

XP

954 Strike for fire rated double doors and 9954XP mullion

### RX **Pushpad monitor** switch Signals use of an

opening SPDT switch to monitor pushpad

### ALK

Alarm exit kit Unauthorized opening triggers 85-decibel horn Set in armed or disarmed mode by key

### СХ

**Chexit delayed** exit

- Meets NFPA 101 requirements
- Self-contained controls, locking, alarm

### SG

- Safety glow Shows exit door location in darkness or smoke
- Developed to meet MEA standards
- meet new 5 lb. maximum operating force requirement Exceeds ANSI/ **BHM** requirements CON

Common connectors to connect various door hardware all the way to the power supply

| Standard trim                                      |                                    |                                                                                          |                                                                                          |                                                                          |
|----------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
|                                                    | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for fire device)                | NL<br>Night latch<br>Key retracts latchbolt                                              | NL-OP<br>Night latch<br>Key retracts latchbolt<br>optional pull required |
| Product description                                | XP98EO-F<br>XP99EO-F               | XP98DT-F<br>XP99DT-F                                                                     | XP98NL-F<br>XP99NL-F                                                                     | XP98NL-OP-F<br>XP99NL-OP-F                                               |
| Trim description                                   | -                                  | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD                                                     |
| Escutcheon plate<br>size                           | -                                  | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | -                                                                        |
| Pull center to center                              | —                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | -                                                                        |
| Projection                                         | -                                  | 2" (51mm)                                                                                | 2" (51mm)                                                                                | -                                                                        |
| ANSI function                                      | 01                                 | 02                                                                                       | 03                                                                                       | 03                                                                       |
| Cylinder type                                      | -                                  | -                                                                                        | Rim                                                                                      | Rim                                                                      |
| Handing                                            | -                                  | -                                                                                        | -                                                                                        | -                                                                        |
| Optional trim                                      | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                          |
| #425 SNB optional<br>- HMD req. WD w/o<br>SLM pkg. | 2                                  | 2                                                                                        | 2                                                                                        | 2                                                                        |
| #825 SNB req. WD<br>w/o SLM pkg.                   | 2 (if using trim)                  | 2                                                                                        | 2                                                                                        | 2                                                                        |
| #425 SNB req.<br>w/ 954F                           | 2                                  | 2                                                                                        | 2                                                                                        | 2                                                                        |

|                                                    | L<br>Lever<br>Key locks & unlocks                                                                                     | L-NL<br>Lever – night latch<br>Key retracts latchbolt                                                                 | L-BE                                                                                                                  | L-DT                                                                                                                  |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Product description                                | XP98L-F<br>XP99L-F                                                                                                    | XP98L-NL-F<br>XP99L-NL-F                                                                                              | XP98L-BE-F<br>XP99L-BE-F                                                                                              | XP98L-DT-F<br>XP99L-DT-F                                                                                              |
| Trim description                                   | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                           | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                                         | 2 <sup>7</sup> / <sub>8</sub> " (73mm)                                                                                |
| ANSI function                                      | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                                      | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                            | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| #425 SNB optional<br>- HMD req. WD w/o<br>SLM pkg. | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |
| #825 SNB req. WD<br>w/o SLM pkg.                   | 2 (if using trim)                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |
| #425 SNB req.<br>w/ 954F                           | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

# 9875/9975 Mortise lock device



9875/9975 Mortise lock device for all types of single or double doors, UL listed for Panic exit hardware. Devices are ANSI A156.3 – 2008 Grade 1. Fits stock hollow metal doors with 86 cutout and door stiles as narrow as 4 <sup>3</sup>/<sub>4</sub>" (121mm). The 9875 device has a smooth mechanism case and the 9975 device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch). See opposite page for available outside trim and device functions.

The 7500 Mortise lock is equipped with a  $\frac{3}{4}$ " (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

### Specifications

| Specifications                           | QLL                                                                                                                                                                                                |                                                                                                      |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Device functions                         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                         | Quiet electric<br>latch retraction<br>• Bolt retraction via                                          |
| Device lengths                           | 3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size                                                                                         | <ul> <li>switch</li> <li>Converts exit</li> </ul>                                                    |
| Device centerline<br>from finished floor | 39 <sup>™</sup> /16" (1011 mm)<br>39 <sup>™</sup> /16" (1008 mm) with mullion                                                                                                                      | door to push-pull operation                                                                          |
| Center case<br>dimensions                | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                            | CX<br>Chexit delayed                                                                                 |
| Mechanism case<br>dimensions             | 2¼" x 2¼" (57mm x 57mm)                                                                                                                                                                            | exit<br>• Meets NFPA 101                                                                             |
| Projection                               | Pushbar neutral – 3 <sup>13</sup> / <sub>16</sub> " (97 mm)<br>Pushbar depressed – 3 <sup>1</sup> / <sub>16</sub> " (78 mm)                                                                        | <ul> <li>Self-contained controls, locking,</li> </ul>                                                |
| Fasteners & sex<br>bolts (SNB)           | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) and 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick<br>metal or wood doors. Optional 425 SNB available, see page 17<br>for quantities. | alarm<br>EL                                                                                          |
| Electric options                         | RXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch                             | Electric latch<br>retraction<br>• Enables remote<br>unlatching<br>• Alternative to<br>manual dogging |
|                                          | CXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect                                                                                                           | E (E7500)<br>Electric mortise<br>lock device                                                         |
| Mechanical<br>options                    | -2Double cylinderGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screws                                                                                                       | Remains latched<br>while unlocked     Remote electrical<br>control                                   |
| Dogging feature                          | Hex key dogging standard                                                                                                                                                                           |                                                                                                      |
| Dogging option                           | CDCylinder doggingSDSpecial center case doggingLDLess doggingDIDogging indicatorCICylinder dogging indicator                                                                                       | PN<br>Pneumatic latch<br>retraction<br>• For areas where<br>electrical devices<br>banned             |
| Strikes                                  | 575 – Dull Black                                                                                                                                                                                   | Special linkage<br>for mechanical or                                                                 |



Hex key dogging comes standard on 9875/9975 Mortise Lock Devices



| CD<br>Cylinder dogging<br>• Replaces hex key<br>dogging<br>• Requires 1 <sup>1</sup> /4"<br>mortise cylinder |
|--------------------------------------------------------------------------------------------------------------|
| with inverted carr                                                                                           |

### Pushpad monitor switch

 Signals use of an opening SPDT switch to

# monitor pushpad

### ALK

pneumatic dogging

QEL

Alarm exit kit Unauthorized opening triggers 85-decibel horn Set in armed or disarmed mode by key

### CON

### Allegion Connectors

 Common connectors to connect various door hardware all the way to the power supply

### SS 7500

- Signal switch Signals
- unauthorized use of an opening Switch makes latch bolt
- tamper-resistant

| Standard trim                            |                                    |                                                                           |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------|------------------------------------|---------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for fire device) | NL<br>Night latch<br>Key retracts latchbolt | HL<br>Former and the second secon |
| Product description                      | 9875EO<br>9975EO                   | 9875DT<br>9975DT                                                          | 9875NL<br>9975NL                            | 9875HL<br>9975HL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Trim description                         | -                                  | 990DT                                                                     | 990NL-M                                     | HL6M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Escutcheon plate size                    | -                                  | 3" x 14³/16" x ³/32"<br>(76x360x2mm)                                      | 3" x 14³/16" x ³/32"<br>(76x360x2mm)        | 2°/₁₀" x 5¹/₂" x 2⁵/₅"<br>(65x140x67mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Pull center to center                    | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Projection                               | -                                  | 2" (51mm)                                                                 | 2" (51mm)                                   | 2⁵⁄₃" (67mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ANSI function                            | 01                                 | 02                                                                        | 03                                          | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Cylinder type                            | -                                  | -                                                                         | 1 <sup>1</sup> / <sub>4</sub> " Mortise     | 11/4" Mortise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Handing                                  |                                    |                                                                           |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT)<br>x696DT<br>x697DT                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Optional #425 SNB<br>quantity for device | 6                                  | 2                                                                         | 2                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 9875L<br>9975L                                                                                                        | 9875L-NL<br>9975L-NL                                                                                                  | 9875L-BE<br>9975L-BE                                                                                                  | 9875L-DT<br>9975L-DT                                                                                                  |
| Trim description                         | 996L-M*                                                                                                               | 996L-NL-M                                                                                                             | 996L-BE-M*                                                                                                            | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | —                                                                                                                     | —                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

# 9875-F/9975-F Mortise lock fire exit device



9875-F/9975-F Fire exit mortise lock devices for all types of single doors up to 4' x 10' (1219mm x 3048mm) or 8' x 10' (2438mm x 3048mm) double doors installations, UL listed for fire exit hardware; See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. Fits door stiles as narrow as 4 <sup>3</sup>/<sub>4</sub>" (121mm). The 9875-F device has a smooth mechanism case and the 9975-F device has a grooved case. The mortise lock device is non-handed except when the following device options are used: -2 (double cylinder) or SS (signal switch) devices. See opposite page for available outside trim and functions.

The 7500 Mortise lock is equipped with  $\frac{3}{4}$ " (19mm) anti-friction latch bolt which is field reversible without removing the lock from the door. It has a non-handed auxiliary bolt for deadlocking and a faceplate with an adjustable bevel.

Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

### **Specifications**

| Specifications                           |                                                                                                                                                                                                                                                        |                                                                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Device functions                         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw.                                                                                                                                                                         | Quiet electric<br>latch retraction<br>• Bolt retraction via                        |
| Device lengths                           | 3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                             | switch<br>• Converts exit                                                          |
| Device centerline<br>from finished floor | 39 <sup>™</sup> /™" (1011 mm)<br>39 <sup>™</sup> /™" (1008 mm) with mullion                                                                                                                                                                            | door to push-pull operation                                                        |
| Center case<br>dimensions                | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                | CX<br>Chexit delayed                                                               |
| Mechanism case<br>dimensions             | 2¼" x 2¼" (57mm x 57mm)                                                                                                                                                                                                                                | • Meets NFPA 101                                                                   |
| Projection                               | Pushbar neutral – $3^{13}/_{16}$ " (97 mm)<br>Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                                                                                                                              | <ul> <li>Self-contained controls, locking,</li> </ul>                              |
| Fasteners & sex<br>bolts (SNB)           | Includes screw pack for 1 <sup>3</sup> /4" (44mm) and 2 <sup>1</sup> /4" (57mm) thick<br>metal or wood doors. Optional 425 SNB available for metal<br>doors. 425 & 825 SNB required on wood doors without SLM<br>blocking. See page 19 for quantities. | alarm<br>EL<br>Electric latch                                                      |
| Electric options                         | RXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch                                                                                 | retraction<br>• Enables remote<br>unlatching<br>• Alternative to<br>manual dogging |
|                                          | CXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect                                                                                                                                                               | E (E7500)<br>Electric mortise<br>lock device                                       |
| Mechanical<br>options                    | -2Double cylinderGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screws                                                                                                                                                           | Remains latched<br>while unlocked     Remote electrical<br>control                 |
|                                          | SLM Special Laminate Material Blocking                                                                                                                                                                                                                 | PN                                                                                 |
| Dogging option                           | No Mechanical Dogging. EL and QEL option available                                                                                                                                                                                                     | Pneumatic latch                                                                    |
| Strikes                                  | 575 – Dull Black                                                                                                                                                                                                                                       | • For areas where                                                                  |



### RX **Pushpad monitor** switch Signals use of an

QEL

- opening SPDT switch to
- monitor pushpad

# ALK

Alarm exit kit Unauthorized opening triggers 85-decibel horn Set in armed or disarmed mode by key

## SG

Safety glow Shows exit door location in darkness or smoke Developed to meet MEA standards

### SS 7500

### Signal switch

- Signals unauthorized use of an opening
- Switch makes
- latch bolt
- tamper-resistant

### CON Allegion Connectors

- action For areas where Common electrical devices connectors to banned connect various door hardware all Special linkage the way to the for mechanical or power supply
- pneumatic dogging

| Standard trim                            |                                    |                                                                           |                                             |                                                            |
|------------------------------------------|------------------------------------|---------------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for fire device) | NL<br>Night latch<br>Key retracts latchbolt | HL<br>Final State<br>Hospital latch<br>Key locks & unlocks |
| Product description                      | 9875EO-F<br>9975EO-F               | -                                                                         | 9875NL-F<br>9975NL-F                        | 9875HL-F<br>9975HL-F                                       |
| Trim description                         | -                                  | 990DT                                                                     | 990NL-M                                     | HL6M                                                       |
| Escutcheon plate<br>size                 | -                                  | 3" x 14³/16" x ³/32"<br>(76x360x2mm)                                      | 3" x 14³/16" x ³/32"<br>(76x360x2mm)        | 2°/₁₅" x 5¹/₂" x 2⁵/₅"<br>(65x140x67mm)                    |
| Pull center to center                    | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)     | -                                                          |
| Projection                               | -                                  | 2" (51mm)                                                                 | 2" (51mm)                                   | 2⁵⁄₀" (67mm)                                               |
| ANSI function                            | 01                                 | 02                                                                        | 03                                          | —                                                          |
| Cylinder type                            | -                                  | -                                                                         | 1 <sup>1</sup> / <sub>4</sub> " Mortise     | 1 <sup>1</sup> / <sub>4</sub> " Mortise                    |
| Handing                                  |                                    |                                                                           |                                             |                                                            |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT)<br>x696DT<br>x697DT                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL    |                                                            |
| Optional #425 SNB<br>quantity for device | 6                                  | 2                                                                         | 2                                           | 2                                                          |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | Lever dummy trim<br>pull when dogged<br>(not recommended for fire device)                                             |
| Product description                      | 9875L-F<br>9975L-F                                                                                                    | 9875L-NL-F<br>9975L-NL-F                                                                                              | 9875L-BE-F<br>9975L-BE-F                                                                                              | _<br>_                                                                                                                |
| Trim description                         | 996L-M*                                                                                                               | 996L-NL-M                                                                                                             | 996L-BE-M*                                                                                                            | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

# 9827/9927 Surface mounted vertical rod device



**9827/9927 Surface mounted vertical rod device** for all types of single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 – 2008 (LBR option 2014) Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9827 device has a smooth mechanism case and the 9927 device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SD (special dogging), SS (signal switch) or WS (Tornado/Hurricane). See opposite page for available outside trim and functions.Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

| Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & |
|----------------------------------------------------------------------------------------------|
| 643E. US15 and US32D available with 98 Series only.                                          |

| Specifications                | D available with 90 Series only.                                                                                          | 304L<br>Botte                      | -<br>om strike |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------|
| Device functions              | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                            | Botta                              | JIII SUIKE     |
|                               | NL drive screw from device.                                                                                               |                                    |                |
| Device lengths                | 2' 2' (610 mm) Door size                                                                                                  |                                    | Hex            |
| 0                             | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                 |                                    | sta            |
|                               | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                              |                                    |                |
| Device centerline             | 39⁵⁄₀" (1006 mm)                                                                                                          |                                    |                |
| from finished floor           |                                                                                                                           | WS                                 | RX             |
| Center case                   | 8" x 2¾" x2¾" (203mm x 70mm x 60mm)                                                                                       | Windstorm                          | Pus            |
| dimensions                    |                                                                                                                           | Severe weather                     | swit           |
| Mechanism case                | 2 <sup>1</sup> /4" x 2 <sup>1</sup> /4" (57mm x 57mm)                                                                     | certified/tested                   | • Sig          |
| dimensions                    |                                                                                                                           | FEMA and ICC compliant             | • SP           |
| Projection                    | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                            | Tornado &                          | m              |
|                               | Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                                               | hurricane tested                   |                |
| Latch bolt                    | Deadlocking anti-friction top & bottom bolt, 5/8" (16mm) throw                                                            | or                                 |                |
| Door undercut                 | 1/4" (7mm) recommended                                                                                                    | QEL<br>Oviet electric              | CON            |
| Top & bottom                  | 4 <sup>1</sup> / <sub>2</sub> " x 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> " (114mm x 54mm x 38mm) | Quiet electric<br>latch retraction | Alle<br>Con    |
| Latch case                    |                                                                                                                           | Bolt retraction via                | · Co           |
| Vertical rods                 | $\frac{1}{2}$ " square tubing, standard rods accommodate 7' (2134mm)                                                      | switch                             | coi            |
|                               | doors. Top rod length: 34 <sup>15</sup> /16" (887mm); Bottom rod length:                                                  | Converts exit                      | COI            |
|                               | $31^{1}/_{2}$ " (794mm) Extension rods available in 1' (205mm) or 3'                                                      | door to push-pull                  | do             |
|                               | (914mm) for doors over 7'. One piece top rod is available for 8'                                                          | operation                          | the            |
|                               | (2438mm) and 10' (3048mm) doors.                                                                                          |                                    | po             |
| Fasteners & sex               | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick            | EL                                 | ALK            |
| bolts (SNB)                   | metal or wood doors, and 325 SNB for top and bottom latch.                                                                | Electric latch                     | Ala            |
|                               | Optional 425 SNB available.                                                                                               | retraction                         | • Un           |
| Electric options              | LX Latchbolt monitor switch                                                                                               | Enables remote                     | op             |
|                               | RX Pushpad monitor switch                                                                                                 | unlatching                         | 85             |
|                               | RX2 Double pushpad monitor switch                                                                                         | Alternative to                     | • Se           |
|                               | EL Electric latch retraction                                                                                              | manual dogging                     | dis<br>by      |
|                               | QEL Quiet electric latch retraction                                                                                       |                                    | Dy             |
|                               | SS Signal switch                                                                                                          | E (E996L)                          | CX             |
|                               | CX Chexit delayed exit                                                                                                    |                                    |                |
|                               | ALK Alarm exit kit                                                                                                        | Electrified<br>breakaway lever     | Che            |
|                               | PN Pneumatic latch retraction                                                                                             | Electrified remote                 | • Me           |
|                               | LBR Less bottom rod                                                                                                       | locking/unlocking                  | rec            |
|                               | WP-RX Waterproof request to exit CON Allegion Connect                                                                     | Standard in fail                   | • Se           |
| Mechanical                    | CON Allegion Connect GBK Glass bead kit                                                                                   | safe condition                     | COI            |
| options                       | PL Pullman latch                                                                                                          |                                    | ala            |
| options                       | WS Tornado and hurricane tested                                                                                           |                                    |                |
|                               | SNB Sex bolts                                                                                                             | PN                                 | SS             |
|                               | SEC Security screws                                                                                                       | Pneumatic latch                    | Sig            |
|                               | AX Accessible device (LBR only)                                                                                           | retraction                         | • Sig          |
| Dogging feature               | Hex key dogging standard                                                                                                  | For areas where                    | of             |
| Dogging option                | CD Cylinder dogging                                                                                                       | electrical devices<br>banned       | • Sw           |
|                               | SD Special center case dogging                                                                                            | Special linkage                    | lat            |
|                               | LD Less dogging                                                                                                           | for mechanical or                  | tar            |
|                               | DI Dogging indicator                                                                                                      | pneumatic                          |                |
|                               | CI Cylinder dogging indicator                                                                                             | dogging                            |                |
| Strikes                       | Top - <b>299</b> – Dull black, Bottom – <b>248L4 &amp; 304L</b> - Unfinished                                              |                                    |                |
| pini <del>o o o o cinco</del> |                                                                                                                           |                                    |                |

# 299 Top strike 248L4 Bottom Strike for use with flat threshold Bottom latch lex key dogging comes tandard on 9827/9927 shpad monitor vitch gnals use of an pening PDT switch to onitor pushpad egion nnectors ommon onnectors to onnect various oor hardware all ne way to the ower supply ĸ arm exit kit nauthorized pening triggers 5-decibel horn et in armed or sarmed mode y key exit delayed eets NFPA 101 quirements elf-contained

Top latch

Self-contained controls, locking, alarm

### Signal switch

- Signals
- unauthorized use of an opening
- Switch makes
- latch bolt tamper-resistant

| Standard trim                            |                                    |                                                                                          |                                                                                          |                        |                                                                                                                      |                                                                                                                      |
|------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged                                                     | NL<br>Night latch<br>Key retracts latchbolt                                              | NL-OP                  | TL                                                                                                                   | TL-BE                                                                                                                |
| Product description                      | 9827EO<br>9927EO                   | 9827DT<br>9927DT                                                                         | 9827NL<br>9927NL                                                                         | 9827NL-OP<br>9927NL-OP | 9827TL<br>9927TL                                                                                                     | 9827TL-BE<br>9927TL-BE                                                                                               |
| Trim description                         | -                                  | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD   | 374T X 990DT                                                                                                         | 374T-BE X<br>990DT                                                                                                   |
| Escutcheon plate<br>size                 | _                                  | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                      | 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x <sup>7</sup> / <sub>8</sub> "<br>(43x191x22mm) | 1 <sup>11</sup> / <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x <sup>7</sup> / <sub>8</sub> "<br>(43x191x22mm) |
| Pull center to center                    | —                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | -                      | -                                                                                                                    | -                                                                                                                    |
| Projection                               | —                                  | 2" (51mm)                                                                                | 2" (51mm)                                                                                | -                      | 3¼" (83mm)                                                                                                           | 31/4" (83mm)                                                                                                         |
| ANSI function                            | 01                                 | 02                                                                                       | 03                                                                                       | 03                     | 11 or 12                                                                                                             | 16                                                                                                                   |
| Cylinder type                            | -                                  | -                                                                                        | Rim                                                                                      | Rim                    | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                              | -                                                                                                                    |
| Handing                                  |                                    | -                                                                                        | _                                                                                        | _                      | _                                                                                                                    | _                                                                                                                    |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                        |                                                                                                                      |                                                                                                                      |
| Optional #425 SNB<br>quantity for device | 6                                  | 2                                                                                        | 2                                                                                        | 6                      | 2                                                                                                                    | 2                                                                                                                    |

|                                          | L                                                                                           | L-NL                                                                                                                  | L-BE                                                                                        | L-DT                                                                                                                  |
|------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                         | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                   | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 9827L<br>9927L                                                                              | 9827L-NL<br>9927L-NL                                                                                                  | 9827L-BE<br>9927L-BE                                                                        | 9827L-DT<br>9927L-DT                                                                                                  |
| Trim description                         | 996L-R/V*                                                                                   | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | —                                                                                           | —                                                                                                                     | —                                                                                           | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₃" (73mm)                                                                   | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                   | 2 <sup>7</sup> /₀" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                          | 03                                                                                                                    | 14                                                                                          | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                         | Rim                                                                                                                   | -                                                                                           | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                           | 2                                                                                                                     | 2                                                                                           | 2                                                                                                                     |

# 9827-F/9927-F Surface Mounted Vertical Rod Fire Device



**9827-F/9927-F Fire exit surface mounted vertical rod device** pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 (LBR option 2014) Grade 1. The 9827-F device has a smooth mechanism case and the 9927-F device has a grooved case. The surface vertical rod device is non-handed except when the following device options are used: SS (signal switch), and WS (Tornado/Hurricane). See opposite page for available outside trim and device functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors. Rod and latch guards can be used on hollow metal or tin clad composite fire doors.

Finishes – US3, US4, US10, US26, US26D, US28 & 313. US15 and US32D available with 98 Series only.

### Specifications

| Specifications      |                                                                                                                |                                     |                                       |
|---------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                 |                                     |                                       |
|                     | NL drive screw from device.                                                                                    |                                     |                                       |
| Device lengths      | 2' 2' (610 mm) Door size                                                                                       |                                     | DV                                    |
|                     | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                      | WS                                  | RX                                    |
|                     | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                   | Windstorm                           | <b>Pushpad monitor</b>                |
| Device centerline   | 39⁵⁄₃" (1006 mm)                                                                                               | Severe weather                      | switch                                |
| from finished floor |                                                                                                                | certified/tested                    | <ul> <li>Signals use of an</li> </ul> |
| Center case         | 8" x 2 <sup>3</sup> / <sub>4</sub> " x2 <sup>3</sup> / <sub>8</sub> " (203mm x 70mm x 60mm)                    | FEMA and ICC                        | opening                               |
| dimensions          |                                                                                                                | compliant                           | SPDT switch to                        |
| Mechanism case      | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                | Tornado &                           | monitor pushpad                       |
| dimensions          |                                                                                                                | hurricane tested                    |                                       |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                 | OEL                                 | ALK                                   |
|                     | Pushbar depressed – $3\frac{1}{16}$ " (78 mm)                                                                  |                                     | Alarm exit kit                        |
| Latch bolt          | Deadlocking anti-friction top & bottom bolt, 5/8" (16mm) throw                                                 | Quiet electric<br>latch retraction  |                                       |
|                     |                                                                                                                | Bolt retraction via                 | Unauthorized     opening triggers     |
| Door undercut       | 1/4" (7mm) recommended                                                                                         | switch                              | 85-decibel horn                       |
| Top & bottom        | $4^{1}/_{2}$ " x $2^{1}/_{8}$ " x $1^{1}/_{2}$ " (114mm x 54mm x 38mm)                                         | Converts exit                       | Set in armed or                       |
| Latch case          |                                                                                                                | door to push-pull                   | disarmed mode                         |
| Vertical rods       | $\frac{1}{2}$ " square tubing, standard rods accommodate 7' (2134mm)                                           | operation                           | by key                                |
|                     | doors. Top rod length: 34 <sup>15</sup> /16" (887mm); Bottom rod length:                                       |                                     |                                       |
|                     | 31 <sup>1</sup> / <sub>2</sub> " (794mm) Extension rods available in 1' (205mm) or 3'                          | EL                                  | CX                                    |
|                     | (914mm) for doors over 7'. One piece top rod is available for 8'                                               | Electric latch                      | Chexit delayed                        |
|                     | (2438mm) and 10' (3048mm) doors.                                                                               | retraction                          | exit                                  |
| Fasteners & sex     | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick | Enables remote                      | Meets NFPA 101                        |
| bolts (SNB)         | metal or wood doors, and 325 SNB for top and bottom latch.                                                     | unlatching                          | requirements                          |
|                     | Optional 425 SNB available.                                                                                    | Alternative to                      | <ul> <li>Self-contained</li> </ul>    |
| Electric options    | LX Latchbolt monitor switch                                                                                    | manual dogging                      | controls, locking,                    |
|                     | RX Pushpad monitor switch                                                                                      |                                     | alarm                                 |
|                     | RX2 Double pushpad monitor switch                                                                              |                                     |                                       |
|                     | E Electric unlocking and locking trim                                                                          | E (E996L)                           | LBR                                   |
|                     | EL Electric latch retraction                                                                                   | Electrified                         | Less bottom rod                       |
|                     | <b>QEL</b> Quiet electric latch retraction                                                                     | breakaway lever                     | Available with UL                     |
|                     | SS Signal switch                                                                                               | Electrified remote                  | Fire Label                            |
|                     | CX Chexit delayed exit                                                                                         | locking/unlocking                   | For pairs of                          |
|                     | ALK Alarm exit kit                                                                                             | Standard in fail                    | vertical rod                          |
|                     | WP-RX Waterproof request to exit                                                                               | safe condition                      | devices                               |
|                     | CON Allegion Connect                                                                                           |                                     |                                       |
| Mechanical          | GBK Glass bead kit                                                                                             |                                     |                                       |
| options             | PN Pneumatic latch retraction                                                                                  | PN                                  | CON                                   |
|                     | LBR Less bottom rod                                                                                            | Pneumatic latch                     | Allegion                              |
|                     | PL Pullman latch                                                                                               | retraction                          | Connectors                            |
|                     | WS Tornado and hurricane tested                                                                                | <ul> <li>For areas where</li> </ul> | Common                                |
|                     | SNB Sex bolts                                                                                                  | electrical devices                  | connectors to                         |
|                     | SEC Security screws                                                                                            | banned                              | connect various<br>door hardware all  |
|                     | SLM Special laminate material blocking                                                                         | Special linkage                     | the way to the                        |
|                     | <b>SLIVI</b> Special laminate material blocking                                                                |                                     |                                       |
|                     | AX Accessible device (LBR only)                                                                                | for mechanical or                   | power supply                          |
| Dogging option      |                                                                                                                | pneumatic<br>dogging                |                                       |



|                                          | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL_                                                                                                    | TL-BE                                                                                                  |
|------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|                                          | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged<br>(not recommended for<br>fire device)                   | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                 | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                |
| Product description                      | 9827EO-F<br>9927EO-F                | -                                                                                        | 9827NL-F<br>9927NL-F                                                                     | 9827NL-OP-F<br>9927NL-OP-F                                      | 9827TL-F<br>9927TL-F                                                                                   | 9827TL-BE-F<br>9927TL-BE-F                                                                             |
| Trim description                         | _                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD                                            | 374T X 990DT                                                                                           | 374T-BE X<br>990DT                                                                                     |
| Escutcheon plate<br>size                 | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                               | 1"/ <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x <sup>7</sup> / <sub>8</sub> "<br>(43x191x22mm) | 1"/ <sub>16</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x <sup>7</sup> / <sub>8</sub> "<br>(43x191x22mm) |
| Pull center to center                    | —                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | —                                                               | —                                                                                                      | -                                                                                                      |
| Projection                               | —                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | _                                                               | 2" (51mm)                                                                                              | 2" (51mm)                                                                                              |
| ANSI function                            | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11 or 12                                                                                               | 16                                                                                                     |
| Cylinder type                            | -                                   | -                                                                                        | Rim                                                                                      | Rim                                                             | 11/4" Mortise                                                                                          | -                                                                                                      |
| Handing                                  | -                                   | -                                                                                        | -                                                                                        | —                                                               | —                                                                                                      | _                                                                                                      |
| Optional trim                            | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                 |                                                                                                        |                                                                                                        |
| Optional #425 SNB<br>quantity for device | 6                                   | 2                                                                                        | 2                                                                                        | 6                                                               | 2                                                                                                      | 2                                                                                                      |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | Lever<br>Key locks & unlocks                                                                                          | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | Lever dummy trim<br>pull when dogged<br>(not recommended for fire device)                                             |
| Product description                      | 9827L-F<br>9927L-F                                                                                                    | 9827L-NL-F<br>9927L-NL-F                                                                                              | 9827L-BE-F<br>9927L-BE-F                                                                                              | -                                                                                                                     |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

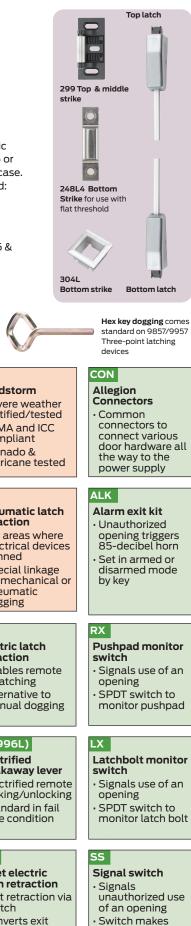
# 9857/9957 Three-point latching device



9857/9957 Three-point latching device for all types of single or double doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2008 Grade 1. Covers stock hollow metal doors with 86 or 161 cutouts. The 9857 device has a smooth mechanism case and the 9957 device has a grooved case. The three-point latching device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

| Specifications                     |                                                                |                                                                           | 304<br>Bot                                             |
|------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------|
| Device functions                   | Device s                                                       | hips EO/DT/NL. Field selectable. For TP, K or L remove                    |                                                        |
|                                    |                                                                | screw from device.                                                        |                                                        |
| Device lengths                     | 3'                                                             | 2'4' to 3' (711mm to 914 mm) Door size                                    |                                                        |
|                                    | 4'                                                             | 2'10" to 4' (864 mm to 1219 mm) Door size                                 |                                                        |
| Device centerline                  | 39"/16" (                                                      | 1011 mm)                                                                  |                                                        |
| from finished floor<br>Center case | 01,237                                                         | " x2³/₅" (203mm x 70mm x 60mm)                                            | WS                                                     |
| dimensions                         | 0" X Z 7 4                                                     |                                                                           | Windstorm                                              |
| Mechanism case                     | <b>2</b> <sup>1</sup> / <sub>4</sub> " x <b>2</b> <sup>1</sup> | /₄" (57mm x 57mm)                                                         | Severe weather                                         |
| dimensions                         |                                                                |                                                                           | certified/tested                                       |
| Projection                         | Pushbar                                                        | neutral – 3 <sup>13</sup> /16" (97 mm)                                    | FEMA and ICC                                           |
| -                                  | Pushbar                                                        | depressed – $3^{1}/_{16}$ " (78 mm)                                       | compliant                                              |
| Latch bolt                         | Deadloc                                                        | king anti-friction top & bottom bolt, 5/8" (16mm) throw                   | Tornado &                                              |
| Laten bott                         |                                                                | king rim bolt, <sup>3</sup> / <sub>4</sub> " (19mm) throw                 | hurricane tested                                       |
| Door undercut                      |                                                                | n) recommended                                                            |                                                        |
| Top & bottom                       | $4^{1}/_{2}$ x 2 <sup>1</sup>                                  |                                                                           | PN                                                     |
| Latch case                         |                                                                |                                                                           | Pneumatic latch                                        |
| Vertical rods                      |                                                                | re tubing, standard rods accommodate 7' (2134mm)                          | retraction                                             |
|                                    | doors. To                                                      | op rod length: 34 <sup>15</sup> /16" (887mm); Bottom rod length:          | <ul> <li>For areas where</li> </ul>                    |
|                                    |                                                                | 94mm) Extension rods available in 1' (205mm) or 3'                        | electrical devices<br>banned                           |
|                                    |                                                                | ) for doors over 7'. One piece top rod is available for 8'                | Special linkage                                        |
|                                    |                                                                | m) and 10' (3048mm) doors.                                                | for mechanical or                                      |
| Fasteners & sex                    |                                                                | screw pack for $1^{3}/4^{"}$ (44mm) to $2^{1}/4^{"}$ (57mm) thick         | pneumatic                                              |
| bolts (SNB)                        |                                                                | wood doors, and 325 SNB for top and bottom latch.<br>l 425 SNB available. | dogging                                                |
| Electric options                   | LX                                                             | Latchbolt monitor switch                                                  |                                                        |
| Liectric options                   | RX                                                             | Pushpad monitor switch                                                    | EL                                                     |
|                                    | RX2                                                            | Double pushpad monitor switch                                             | Electric latch                                         |
|                                    | E                                                              | Electric unlocking and locking trim                                       | <ul> <li>retraction</li> <li>Enables remote</li> </ul> |
|                                    | EL                                                             | Electric latch retraction                                                 | unlatching                                             |
|                                    | QEL                                                            | Quiet electric latch retraction                                           | Alternative to                                         |
|                                    | SS                                                             | Signal switch                                                             | manual dogging                                         |
|                                    | CX                                                             | Chexit delayed exit                                                       |                                                        |
|                                    |                                                                | Alarm exit kit                                                            |                                                        |
|                                    | CON                                                            | Waterproof request to exit<br>Allegion Connect                            | E (E996L)                                              |
| Mechanical                         | GBK                                                            | Glass bead kit                                                            | Electrified                                            |
| options                            | PN                                                             | Pneumatic latch retraction                                                | breakaway lever                                        |
| options                            | PL                                                             | Pullman latch                                                             | Electrified remote<br>locking/unlocking                |
|                                    | WS                                                             | Tornado and hurricane tested                                              | Standard in fail                                       |
|                                    | SNB                                                            | Sex bolts                                                                 | safe condition                                         |
|                                    | SEC                                                            | Security screws                                                           |                                                        |
| Dogging feature                    | -                                                              | dogging standard                                                          |                                                        |
| Dogging option                     | CD                                                             | Cylinder dogging                                                          | QEL                                                    |
|                                    | SD                                                             | Special center case dogging                                               | Quiet electric                                         |
|                                    | LD<br>DI                                                       | Less dogging<br>Dogging indicator                                         | latch retraction                                       |
|                                    |                                                                | Cylinder dogging indicator                                                | Bolt retraction via                                    |
| Strikes                            |                                                                | iddle – <b>299</b> - Dull black                                           | switch<br>• Converts exit                              |
|                                    |                                                                | – <b>248L4 &amp; 304L</b> - Unfinished                                    | door to push-pull                                      |
|                                    |                                                                |                                                                           | a section                                              |



latch bolt

tamper-resistant

operation

### Standard trim

|                                          | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL                                                                                                                    | TL-BE                                                                                                                 |
|------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged<br>(not recommended for<br>fire device)                   | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                                | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                               |
| Product description                      | 9857EO<br>9957EO                    | 9857DT<br>9957DT                                                                         | 9857NL<br>9957NL                                                                         | 9857NL-OP<br>9957NL-OP                                          | 9857TL<br>9957TL                                                                                                      | 9857TL-BE<br>9957TL-BE                                                                                                |
| Trim description                         | _                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD                                            | 374T X 990DT                                                                                                          | 374T-BE X 990DT                                                                                                       |
| Escutcheon plate<br>size                 | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                               | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | —                                                               | -                                                                                                                     | _                                                                                                                     |
| Projection                               | -                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | -                                                               | 2" (51mm)                                                                                                             | 2" (51mm)                                                                                                             |
| ANSI function                            | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11 or 12                                                                                                              | 16                                                                                                                    |
| Cylinder type                            | -                                   | —                                                                                        | Rim                                                                                      | Rim                                                             | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | —                                                                                                                     |
| Handing                                  | -                                   | -                                                                                        | —                                                                                        | -                                                               | -                                                                                                                     | —                                                                                                                     |
| Optional trim                            | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                 |                                                                                                                       |                                                                                                                       |
| Optional #425 SNB<br>quantity for device | 6                                   | 2                                                                                        | 2                                                                                        | 6                                                               | 2                                                                                                                     | 2                                                                                                                     |

|                                          | L                                        | L-NL                                          | L-BE                                                             | L-DT                                                                                                                  |
|------------------------------------------|------------------------------------------|-----------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks      | Lever – night latch<br>Key retracts latchbolt | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder) | <b>Lever dummy trim</b><br>pull when dogged                                                                           |
| Product description                      | 9857L<br>9957LF                          | 9857L-NL<br>9957L-NL                          | 9857L-BE<br>9957L-BE                                             | _<br>_                                                                                                                |
| Trim description                         | 996L-R/V*                                | 996L-NL-R/V                                   | 996L-BE-R/V*                                                     | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2³/₄" x 10³/₄" x ²7/₃₂"<br>(70x273x21mm) | 2³/₄" x 10³/₄" x ²//₃₂"<br>(70x273x21mm)      | 2³/₄" x 10³/₄" x ²7/₃₂"<br>(70x273x21mm)                         | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                        | -                                             | -                                                                | _                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₃" (73mm)                | 2 <sup>7</sup> /₃" (73mm)                     | 2 <sup>7</sup> /₃" (73mm)                                        | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                            | 08                                       | 03                                            | 14                                                               | 02                                                                                                                    |
| Cylinder type                            | Rim                                      | Rim                                           | -                                                                | _                                                                                                                     |
| Handing                                  | Handed/Reversible                        | Handed/Reversible                             | Handed/Reversible                                                | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                        | 2                                             | 2                                                                | 2                                                                                                                     |

\* Electrified lever operation available

### Notes

Γ

# 9857-F/9957-F Three-point latching fire exit device



**9857-F/9957-F Fire exit three-point latching device** for all types of single doors up to 4' x 8' (1219mm x 2438mm) or up to 8' x 8'(2438mm x 2438mm) double doors with 9954 or 9854 mullion, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9857-F device has a smooth mechanism case and the 9957-F device has a grooved case. The three-point latch device is non-handed except when the following device option is used: SS (signal switch). See opposite page for available outside trim and device functions. Vertical rod and latch guards are available to protect the bottom rod of the exit device from damage by impacts of carts or gurneys passing through doors.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



| Specifications      |                                                                                                                           |                                     |                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                            | PN                                  | RG                                    |
|                     | NL drive screw from device.                                                                                               | Pneumatic latch                     | Rod guard                             |
| Device lengths      | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                 | retraction                          | Protection from                       |
|                     | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                              | For areas where                     | carts/gurneys                         |
| Device centerline   | 39 <sup>13</sup> / <sub>16</sub> " (1011 mm)                                                                              | electrical devices                  | Eases wheelchair                      |
| from finished floor |                                                                                                                           | banned                              | access                                |
| Center case         | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                   | Special linkage                     |                                       |
| dimensions          |                                                                                                                           | for mechanical or pneumatic         |                                       |
| Mechanism case      | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                           | dogging                             |                                       |
| dimensions          |                                                                                                                           |                                     |                                       |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                            | EL                                  | OEL                                   |
|                     | Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                                               | Electric latch                      | Ouiet electric                        |
| Latch bolt          | Deadlocking anti-friction top & bottom bolt, 5/8" (16mm) throw                                                            | retraction                          | latch retraction                      |
|                     | Deadlocking rim bolt, <sup>3</sup> / <sub>4</sub> " (19mm) throw                                                          | Enables remote                      | Bolt retraction via                   |
| Door undercut       | 1/4" (7mm) recommended                                                                                                    | unlatching                          | switch                                |
| Top & bottom        | 4 <sup>1</sup> / <sub>2</sub> " x 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> " (114mm x 54mm x 38mm) | Alternative to                      | Converts exit                         |
| Latch case          |                                                                                                                           | manual dogging                      | door to push-pull                     |
| Vertical rods       | $\frac{1}{2}$ " square tubing, standard rods accommodate 7' (2134mm)                                                      |                                     | operation                             |
|                     | doors. Top rod length: 34 <sup>15</sup> / <sub>16</sub> " (887mm); Bottom rod length:                                     |                                     |                                       |
|                     | $31^{1}/_{2}$ " (794mm) Extension rods available in 1' (205mm) or 3'                                                      | E (E996L)                           | LX                                    |
|                     | (914mm) for doors over 7'. One piece top rod is available for 8'                                                          | Electrified                         | Latchbolt monitor                     |
|                     | (2438mm) and 10' (3048mm) doors.                                                                                          | breakaway lever                     | switch                                |
| Fasteners & sex     | Includes screw pack for $1^{3}/4^{4}$ (44mm) and $2^{1}/4^{4}$ (57mm) thick                                               | Electrified remote                  | Signals use of an                     |
| bolts (SNB)         | metal or wood doors, and 325 SNB for top and bottom latch.                                                                | locking/unlocking                   | opening                               |
|                     | Optional 425 SNB available for metal doors. 425 SNB required                                                              | Standard in fail     safe condition | SPDT switch to     monitor latch bolt |
|                     | on wood doors without SLM blocking.                                                                                       | Sale condition                      |                                       |
| Electric options    | LX Latchbolt monitor switch                                                                                               |                                     |                                       |
|                     | RX Pushpad monitor switch                                                                                                 | RX                                  | СХ                                    |
|                     | RX2 Double pushpad monitor switch                                                                                         | Pushpad monitor                     | Chexit delayed                        |
|                     | E Electric unlocking and locking trim                                                                                     | switch                              | exit                                  |
|                     | EL Electric latch retraction                                                                                              | Signals use of an                   | Meets NFPA 101                        |
|                     | QEL Quiet electric latch retraction                                                                                       | opening                             | requirements                          |
|                     | SS Signal switch                                                                                                          | SPDT switch to                      | <ul> <li>Self-contained</li> </ul>    |
|                     | CX Chexit delayed exit                                                                                                    | monitor pushpad                     | controls, locking,                    |
|                     | ALK Alarm exit kit                                                                                                        |                                     | alarm                                 |
|                     | WP-RX Waterproof request to exit                                                                                          |                                     |                                       |
|                     | CON Allegion Connect                                                                                                      | ALK                                 | CON                                   |
| Mechanical          | GBK Glass bead kit                                                                                                        | Alarm exit kit                      | Allegion                              |
| options             | PN Pneumatic latch retraction                                                                                             | <ul> <li>Unauthorized</li> </ul>    | Connectors                            |
|                     | SNB Sex bolts                                                                                                             | opening triggers                    | Common                                |
|                     | SEC Security screws                                                                                                       | 85-decibel horn                     | connectors to                         |
|                     | SLM Special laminate material blocking                                                                                    | Set in armed or                     | connect various<br>door hardware all  |
| Dogging option      | No mechanical dogging. EL and QEL option available                                                                        | disarmed mode<br>by key             | the way to the                        |
| Strikes             | Top & middle – <b>299</b> - Dull black                                                                                    | Dy Ney                              | power supply                          |
|                     | Bottom – <b>304L</b> - Unfinished                                                                                         |                                     |                                       |



| Standard trim                                      |                                    |                                                                                          |                                                                                          |                            |                                                                                                                       |                                                                                                                       |
|----------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for<br>fire device)             | NL                                                                                       | NL-OP                      | TL                                                                                                                    | TL-BE                                                                                                                 |
| Product description                                | 9857EO-F<br>9957EO-F               | 9857DT-F<br>9957DT-F                                                                     | 9857NL-F<br>9957NL-F                                                                     | 9857NL-OP-F<br>9957NL-OP-F | 9857TL-F<br>9957TL-F                                                                                                  | 9857TL-BE-F<br>9957TL-BE-F                                                                                            |
| Trim description                                   | _                                  | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD<br>110NL-WD       | 374T X 990DT                                                                                                          | 374T-BE X 990DT                                                                                                       |
| Escutcheon plate<br>size                           | _                                  | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                          | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | —                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | —                          | —                                                                                                                     | _                                                                                                                     |
| Projection                                         | —                                  | 2" (51mm)                                                                                | 2" (51mm)                                                                                | —                          | 2" (51mm)                                                                                                             | 2" (51mm)                                                                                                             |
| ANSI function                                      | 01                                 | 02                                                                                       | 03                                                                                       | 03                         | 11 or 12                                                                                                              | 16                                                                                                                    |
| Cylinder type                                      | —                                  | —                                                                                        | Rim                                                                                      | Rim                        | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | -                                                                                                                     |
| Handing                                            | -                                  | -                                                                                        | -                                                                                        | —                          | -                                                                                                                     | —                                                                                                                     |
| Optional trim                                      | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                            |                                                                                                                       |                                                                                                                       |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 6                                  | 2                                                                                        | 2                                                                                        | б                          | 2                                                                                                                     | 2                                                                                                                     |
| #425 SNB req.<br>w/ 499F                           | 2                                  | 2                                                                                        | 2                                                                                        | 2                          |                                                                                                                       |                                                                                                                       |

|                                                    | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                        | L-DT                                                                                                                  |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>Lever</b><br>Key locks & unlocks                                                                                   | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                            | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                                | 9857L-F<br>9957L-F                                                                                                    | 9857L-NL-F<br>9957L-NL-F                                                                                              | 9857L-BE-F<br>9957L-BE-F                                                                    | -                                                                                                                     |
| Trim description                                   | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                           | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | -                                                                                                                     | -                                                                                                                     | -                                                                                           | -                                                                                                                     |
| Projection                                         | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₅" (73mm)                                                                   | 2 <sup>7</sup> ∕₀" (73mm)                                                                                             |
| ANSI function                                      | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                          | 02                                                                                                                    |
| Cylinder type                                      | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                           | -                                                                                                                     |
| Handing                                            | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                           | 2                                                                                                                     |
| #425 SNB req.<br>w/ 499F                           | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                           | 2                                                                                                                     |

# 9847/9947 Concealed vertical rod device



9847/9947 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2008 Grade 1. The 9847 device has a smooth mechanism case and the 9947 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and device functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

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| Specifications      |                                                                                                                           |                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                            |                                                       |
|                     | NL drive screw from device.                                                                                               | _                                                     |
| Device lengths      | 2' 2' (610 mm) Door size                                                                                                  |                                                       |
|                     | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                 | QEL                                                   |
|                     | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                              | Quiet electric                                        |
| Device centerline   | 39 <sup>5</sup> / <sup>8</sup> " (1006 mm) Standard                                                                       | latch retraction                                      |
| from finished floor | Adjustable from 35 <sup>5</sup> / <sub>8</sub> " (905mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260mm)                     | Bolt retraction via                                   |
| Center case         | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                   | switch                                                |
| dimensions          |                                                                                                                           | Converts exit                                         |
| Mechanism case      | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                           | door to push-pull                                     |
| dimensions          |                                                                                                                           | operation                                             |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                            |                                                       |
|                     | Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                                               | CX                                                    |
| Latch bolt          | Deadlocking top & bottom bolt, 5/8" (16mm) throw                                                                          | Chexit delayed                                        |
| Door undercut       | <sup>1</sup> / <sub>4</sub> " (7mm) recommended                                                                           | - exit                                                |
| Top & bottom        | 4 <sup>1</sup> / <sub>2</sub> " x 2 <sup>1</sup> / <sub>8</sub> " x 1 <sup>1</sup> / <sub>2</sub> " (114mm x 54mm x 38mm) | <ul> <li>Meets NFPA 101<br/>requirements</li> </ul>   |
| Latch case          |                                                                                                                           | Self-contained                                        |
| Vertical rods       | Round 2-piece adjustable rods – Top rod adjustable from 6'8"                                                              | controls, locking,                                    |
|                     | (2027mm) to 8'4" (2533mm). Bottom rod adjustable 35 <sup>5</sup> / <sub>8</sub> "                                         | alarm                                                 |
|                     | (905 mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260 mm). Extension rod kits available for                                  |                                                       |
|                     | doors over 8'4" (2533mm).                                                                                                 |                                                       |
| Fasteners & sex     | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick            | - EL                                                  |
| bolts (SNB)         | metal doors. Optional 425 SNB available.                                                                                  | Electric latch                                        |
| Electric options    | LX Latchbolt monitor switch                                                                                               | retraction                                            |
|                     | RX Pushpad monitor switch                                                                                                 | Enables remote                                        |
|                     | RX2 Double pushpad monitor switch                                                                                         | unlatching                                            |
|                     | E Electric unlocking and locking trim                                                                                     | <ul> <li>Alternative to<br/>manual dogging</li> </ul> |
|                     | EL Electric latch retraction                                                                                              | mandat dogging                                        |
|                     | <b>QEL</b> Quiet electric latch retraction                                                                                |                                                       |
|                     | SS Signal switch                                                                                                          | E (E996L)                                             |
|                     | CX Chexit delayed exit                                                                                                    |                                                       |
|                     | ALK Alarm exit kit                                                                                                        | Electrified<br>breakaway lever                        |
|                     | WP-RX Waterproof request to exit                                                                                          | Electrified remote                                    |
|                     | CON Allegion Connect                                                                                                      | locking/unlocking                                     |
| Mechanical          | GBK Glass bead kit                                                                                                        | Standard in fail                                      |
| options             | PN Pneumatic latch retraction                                                                                             | safe condition                                        |
|                     | LBR Less bottom rod                                                                                                       |                                                       |
|                     | PL Pullman latch                                                                                                          |                                                       |
|                     | SNB Sex bolts                                                                                                             | PN                                                    |
|                     | SEC Security screws                                                                                                       | Pneumatic latch                                       |
| Dogging feature     | Hex key dogging standard                                                                                                  | retraction                                            |
| Dogging option      | CD Cylinder dogging                                                                                                       | For areas where                                       |
|                     | SD Special center case dogging                                                                                            | electrical devices                                    |
|                     | LD Less dogging                                                                                                           | banned                                                |
|                     | DI Dogging indicator                                                                                                      | <ul> <li>Special linkage</li> </ul>                   |
| Chilling            | CI Cylinder dogging indicator                                                                                             | for mechanical or                                     |
| Strikes             | Top – <b>338</b> - Unfinished, Bottom – <b>385A</b> - Unfinished                                                          | pneumatic<br>dogging                                  |
|                     |                                                                                                                           | 0088118                                               |



Hex key dogging comes standard on 9847/9947 Concealed vertical rod devices

Top Latch

# RX

**Pushpad monitor** switch Signals use of an opening • SPDT switch to monitor pushpad

# CON

Allegion Connectors

 Common connectors to connect various door hardware all the way to the power supply

### ALK

Alarm exit kit Unauthorized opening triggers 85-decibel horn Set in armed or disarmed mode by key

### LX

DI

Latchbolt monitor switch

 Signals use of an opening

SPDT switch to monitor latch bolt

**Dogging indicator**  Monitor dogging status without a control panel **Red indicator** light shows visibility to dogging from over 75 feet

|                                          | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL_                                                                                                                   | TL-BE                                                                                                                 |
|------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged<br>(not recommended for<br>fire device)                   | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                                | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                               |
| Product description                      | 9847EO<br>9947EO                    | 9847DT<br>9947DT                                                                         | 9847NL<br>9947NL                                                                         | 9847NL-OP<br>9947NL-OP                                          | 9847TL<br>9947TL                                                                                                      | 9847TL-BE<br>9947TL-BE                                                                                                |
| Trim description                         | -                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD                                                        | 376T X 990DT                                                                                                          | 374T-BE X 990DT                                                                                                       |
| Escutcheon plate size                    | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                               | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 51/2" (140mm)                                                                            | _                                                               | —                                                                                                                     | -                                                                                                                     |
| Projection                               | -                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | —                                                               | 2" (51mm)                                                                                                             | 2" (51mm)                                                                                                             |
| ANSI function                            | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11 or 12                                                                                                              | 16                                                                                                                    |
| Cylinder type                            | -                                   | —                                                                                        | Rim                                                                                      | Rim                                                             | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | -                                                                                                                     |
| Handing                                  | -                                   | —                                                                                        | _                                                                                        | _                                                               | —                                                                                                                     | _                                                                                                                     |
| Optional trim                            | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                 |                                                                                                                       |                                                                                                                       |
| Optional #425 SNB<br>quantity for device | 6                                   | 2                                                                                        | 2                                                                                        | 6                                                               | 2                                                                                                                     | 2                                                                                                                     |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 9847L<br>9947LF                                                                                                       | 9847L-NL<br>9947L-NL                                                                                                  | 9847L-BE<br>9947L-BE                                                                                                  | 9847L-DT<br>9947L-DT                                                                                                  |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | —                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

# 9847-F/9947-F Concealed vertical rod fire exit device



**9847-F/9947-F Fire exit concealed vertical rod device** for use on pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9847-F device has a smooth mechanism case and the 9947-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: SS (signal switch) devices. See opposite page for available outside trim and functions.

**Finishes** – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



### Specifications

| Device functions                         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                                                                                                                                                                                                                  | PN<br>Pneumatic latch                                                                                                | RG<br>Rod guard                                                                                                      |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Device lengths                           | 2'       2' (610 mm) Door size         3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                                                                                                                           | • For areas where<br>electrical devices<br>banned                                                                    | Protection from<br>carts/gurneys     Eases wheelchair<br>access                                                      |
| Device centerline<br>from finished floor | 39 <sup>5</sup> /8" (1006 mm) Standard<br>Adjustable from 35 <sup>5</sup> /8" (905mm) to 49 <sup>5</sup> /8" (1260mm)                                                                                                                                                                                                                                                                       | Special linkage     for mechanical or                                                                                | access                                                                                                               |
| Center case<br>dimensions                | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                                                                                                                                                     | pneumatic<br>dogging                                                                                                 |                                                                                                                      |
| Mechanism case<br>dimensions             | 2¼ x 2¼ (57mm x 57mm)                                                                                                                                                                                                                                                                                                                                                                       | EL                                                                                                                   | QEL                                                                                                                  |
| Projection                               | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)<br>Pushbar depressed – 3 <sup>1</sup> /16" (78 mm)                                                                                                                                                                                                                                                                                           | Electric latch<br>retraction<br>• Enables remote                                                                     | Quiet electric<br>latch retraction<br>• Bolt retraction via                                                          |
| Latch bolt                               | Deadlocking top & bottom bolt, 5/8" (16mm) throw                                                                                                                                                                                                                                                                                                                                            | unlatching                                                                                                           | switch                                                                                                               |
| Door undercut                            | 1/4" (7mm) recommended                                                                                                                                                                                                                                                                                                                                                                      | Alternative to     manual dogging                                                                                    | Converts exit     door to push-pull                                                                                  |
| Top & bottom<br>Latch case               | 3 <sup>3</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>2</sub> " x 1" (95mm x 38mm x 25mm)                                                                                                                                                                                                                                                                                                 |                                                                                                                      | operation                                                                                                            |
| Vertical rods<br>Fasteners & sex         | Round 2-piece adjustable rods – Top rod adjustable from 6'8"<br>(2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 <sup>5</sup> / <sub>8</sub> "<br>(905 mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260 mm). Extension rod kits available for<br>doors over 8'4" (2533mm).<br>Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick | E (E996L)<br>Electrified<br>breakaway lever<br>• Electrified remote<br>locking/unlocking                             | LX<br>Latchbolt monitor<br>switch<br>• Signals use of an<br>opening                                                  |
| bolts (SNB)                              | metal doors. Optional 425 SNB available.                                                                                                                                                                                                                                                                                                                                                    | Standard in fail     safe condition                                                                                  | SPDT switch to     monitor latch bolt                                                                                |
| Electric options                         | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exit                                                                                                                     | RX<br>Pushpad monitor<br>switch<br>• Signals use of an<br>opening<br>• SPDT switch to<br>monitor pushpad             | CX<br>Chexit delayed<br>exit<br>• Meets NFPA 101<br>requirements<br>• Self-contained<br>controls, locking,<br>alarm  |
| Mechanical<br>options                    | CONAllegion ConnectLBRLess bottom rodPNPneumatic latch retractionGBKGlass bead kitSNBSex boltsSECSecurity screwsSLMSpecial laminate material blocking                                                                                                                                                                                                                                       | ALK<br>Alarm exit kit<br>• Unauthorized<br>opening triggers<br>85-decibel horn<br>• Set in armed or<br>disarmed mode | CON<br>Allegion<br>Connectors<br>• Common<br>connectors to<br>connect various<br>door hardware all<br>the way to the |
| Dogging option                           | No mechanical dogging. EL and QEL option available                                                                                                                                                                                                                                                                                                                                          | by key                                                                                                               | power supply                                                                                                         |
| Strikes                                  | Top – <b>338</b> - Unfinished, Bottom – <b>385A</b> - Unfinished                                                                                                                                                                                                                                                                                                                            |                                                                                                                      |                                                                                                                      |

### Standard trim

|                                                    | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL 👘                                                                                                                  | TL-BE                                                                                                                 |
|----------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged<br>(not recommended for<br>fire device)                   | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                                | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                               |
| Product description                                | 9847EO-F<br>9947EO-F                |                                                                                          | 9847NL-F<br>9947NL-F                                                                     | 9847NL-OP-F<br>9947NL-OP-F                                      | 9847TL-F<br>9947TL-F                                                                                                  | 9847TL-BE-F<br>9947TL-BE-F                                                                                            |
| Trim description                                   | -                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD                                                        | 376T X 990DT                                                                                                          | 376T-BE X 990DT                                                                                                       |
| Escutcheon plate<br>size                           | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                               | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | —                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | _                                                               | —                                                                                                                     | _                                                                                                                     |
| Projection                                         | -                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | _                                                               | 2" (51mm)                                                                                                             | 2" (51mm)                                                                                                             |
| ANSI function                                      | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11 or 12                                                                                                              | 16                                                                                                                    |
| Cylinder type                                      | -                                   | _                                                                                        | Rim                                                                                      | Rim                                                             | 11/4" Mortise                                                                                                         | —                                                                                                                     |
| Handing                                            | -                                   | —                                                                                        | —                                                                                        | _                                                               | —                                                                                                                     | —                                                                                                                     |
| Optional trim                                      | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                 |                                                                                                                       |                                                                                                                       |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | б                                   | 2                                                                                        | 2                                                                                        | б                                                               | 2                                                                                                                     | 2                                                                                                                     |

|                                                    | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                                | 9847L-F<br>9947L-F                                                                                                    | 9847L-NL-F<br>9947L-NL-F                                                                                              | 9847L-BE-F<br>9947L-BE-F                                                                                              | _<br>_                                                                                                                |
| Trim description                                   | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                           | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                                         | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                                      | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                                      | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                            | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

# 9848/9948 Concealed vertical rod device



9848/9948 Concealed vertical rod device for use on single or double metal doors, UL listed for panic exit hardware. Covers stock hollow metal doors with 86 or 161 cutouts. Devices are ANSI A156.3 - 2008 Grade 1. The 9848 device has a smooth mechanism case and the 9948 device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used:SD (special dogging), or SS (signal switch). See opposite page for available outside trim and functions.

Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

| Specifications                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device functions                                             | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                              | NL drive screw from device.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Device lengths                                               | 2' 2' (610 mm) Door size                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                              | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                              | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Device centerline                                            | 39⁵⁄₃" (1006 mm) Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CX                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| from finished floor                                          | Adjustable from 35 <sup>5</sup> / <sub>8</sub> " (905mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260mm)                                                                                                                                                                                                                                                                                                                                                                           | Chexit delayed                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Center case                                                  | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                                                                                                                                                                                                                                         | exit                                                                                                                                                                                                                                                                                                                                                                                                                                |
| dimensions                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Meets NFPA 101                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Mechanism case                                               | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                                                                                                                                                                                                                                                                                                                                                                                 | requirements                                                                                                                                                                                                                                                                                                                                                                                                                        |
| dimensions                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <ul> <li>Self-contained<br/>controls, locking,</li> </ul>                                                                                                                                                                                                                                                                                                                                                                           |
| Projection                                                   | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                  | alarm                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                                              | Pushbar depressed – $3\frac{1}{16}$ " (78 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Latch bolt                                                   | Deadlocking top bolt, 3/4" (19mm) throw                                                                                                                                                                                                                                                                                                                                                                                                                                         | EL                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                              | Deadlocking bottom bolt, 11/2" (38mm) throw                                                                                                                                                                                                                                                                                                                                                                                                                                     | Electric latch                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Door undercut                                                | <sup>3</sup> / <sub>4</sub> " (19mm) maximum, more than <sup>1</sup> / <sub>4</sub> " minimum                                                                                                                                                                                                                                                                                                                                                                                   | retraction                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Top & bottom                                                 | 4 <sup>1</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>8</sub> " (107mm x 38mm x 28mm)                                                                                                                                                                                                                                                                                                                                                       | Enables remote                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Latch case                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | unlatching <ul> <li>Alternative to</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |
| Vertical rods                                                | Round 2-piece adjustable rods – Top rod adjustable from 6'8"                                                                                                                                                                                                                                                                                                                                                                                                                    | manual dogging                                                                                                                                                                                                                                                                                                                                                                                                                      |
| venticatious                                                 | (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 <sup>5</sup> / <sub>8</sub> "                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                              | $(905 \text{ mm})$ to $49^{5}$ /s" (1260 mm). Extension rod kits available for                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                              | doors over 8'4" (2533mm).                                                                                                                                                                                                                                                                                                                                                                                                                                                       | QEL                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Fasteners & sex                                              | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick                                                                                                                                                                                                                                                                                                                                                                  | Quiet electric                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| bolts (SNB)                                                  | metal doors. Optional 425 SNB available.                                                                                                                                                                                                                                                                                                                                                                                                                                        | latch retraction                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                              | metal doors. Optional 425 SNB available.           LX         Latchbolt monitor switch                                                                                                                                                                                                                                                                                                                                                                                          | Bolt retraction via                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Electric options                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Bolt retraction via<br>switch                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                              | LX Latchbolt monitor switch                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Bolt retraction via                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switch                                                                                                                                                                                                                                                                                                                                                                                                                              | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit</li> </ul>                                                                                                                                                                                                                                                                                                                                                           |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switch                                                                                                                                                                                                                                                                                                                                                                                              | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> </ul>                                                                                                                                                                                                                                                                                                                       |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trim                                                                                                                                                                                                                                                                                                                                                          | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch                                                                                                                                                                                                                                                                              | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E (E996L)</li> <li>Electrified</li> </ul>                                                                                                                                                                                                                                                                               |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exit                                                                                                                                                                                                                                                         | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E (E996L)</li> <li>Electrified<br/>breakaway lever</li> </ul>                                                                                                                                                                                                                                                           |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kit                                                                                                                                                                                                                                        | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E (E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote</li> </ul>                                                                                                                                                                                                                               |
|                                                              | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exit                                                                                                                                                                                                         | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> </ul>                                                                                                                                                                                                          |
| Electric options                                             | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect                                                                                                                                                                                      | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E (E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote</li> </ul>                                                                                                                                                                                                                               |
| Electric options                                             | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kit                                                                                                                                                                     | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail</li> </ul>                                                                                                                                                                                |
| Electric options                                             | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retraction                                                                                                                                         | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail</li> </ul>                                                                                                                                                                                |
| Electric options                                             | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex bolts                                                                                                                             | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> </ul>                                                                                                                                                             |
| Electric options<br>Mechanical<br>options                    | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screws                                                                                                           | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> </ul>                                                                                                                                                             |
| Electric options<br>Mechanical<br>options<br>Dogging feature | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screwsHex key dogging standard                                                                                   | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> <li>PN</li> <li>Pneumatic latch</li> </ul>                                                                                                                        |
| Electric options<br>Mechanical<br>options                    | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screwsHex key dogging standardCDCDCylinder dogging                                                               | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> <li>PN</li> <li>Pneumatic latch<br/>retraction</li> </ul>                                                                                                         |
| Electric options<br>Mechanical<br>options<br>Dogging feature | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screwsHex key dogging standardCDCDCylinder doggingSDSpecial center case dogging                                  | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> <li>PN</li> <li>Pneumatic latch</li> </ul>                                                                                                                        |
| Electric options<br>Mechanical<br>options<br>Dogging feature | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screwsHex key dogging standardCDCDCylinder doggingSDSpecial center case doggingLDLess dogging                    | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> <li>PN</li> <li>Pneumatic latch<br/>retraction</li> <li>For areas where</li> </ul>                                                                                |
| Electric options<br>Mechanical<br>options<br>Dogging feature | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screwsHex key dogging standardCDCDCylinder doggingSDSpecial center case doggingLDLess doggingDIDogging indicator | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> <li>PN</li> <li>Pneumatic latch<br/>retraction</li> <li>For areas where<br/>electrical devices<br/>banned</li> <li>Special linkage</li> </ul>                     |
| Electric options<br>Mechanical<br>options<br>Dogging feature | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion ConnectGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screwsHex key dogging standardCDCDCylinder doggingSDSpecial center case doggingLDLess dogging                    | <ul> <li>Bolt retraction via<br/>switch</li> <li>Converts exit<br/>door to push-pull<br/>operation</li> <li>E(E996L)</li> <li>Electrified<br/>breakaway lever</li> <li>Electrified remote<br/>locking/unlocking</li> <li>Standard in fail<br/>safe condition</li> <li>Standard in fail<br/>safe condition</li> <li>PN</li> <li>Pneumatic latch<br/>retraction</li> <li>For areas where<br/>electrical devices<br/>banned</li> </ul> |



### LX

### Latchbolt monitor switch

- Signals use of an opening
- SPDT switch to monitor latch bolt

### SG

- Safety glow
- Shows exit door location in darkness or
- smoke Developed to meet MEA
- standards

### CON Allegion

dogging

Connectors Common connectors to connect various door hardware all the way to the power supply

### Standard trim

|                                          | EO                           | DT                                                                                       | NL                                                                                       | NL-OP                                         | TL<br>i i i i i i i i i i i i i i i i i i i                                                                           | TL-BE                                                                                                                 |
|------------------------------------------|------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | No outside trim<br>Exit only | Dummy trim<br>Pull when dogged                                                           | Night latch<br>Key retracts latchbolt                                                    | Key retracts latchbolt optional pull required | Key locks & unlocks<br>(use with DT trim)                                                                             | (no cylinder)<br>(use with DT trim)                                                                                   |
| Product description                      | 9848EO<br>9948EO             | 9848DT<br>9948DT                                                                         | 9848NL<br>9948NL                                                                         | 9848NL-OP<br>9948NL-OP                        | 9848TL<br>9948TL                                                                                                      | 9848TL-BE<br>9948TL-BE                                                                                                |
| Trim description                         | -                            | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD                                      | 376T X 990DT                                                                                                          | 376T-BE X 990DT                                                                                                       |
| Escutcheon plate<br>size                 | _                            | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                             | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | —                            | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | —                                             | —                                                                                                                     | —                                                                                                                     |
| Projection                               | -                            | 2" (51mm)                                                                                | 2" (51mm)                                                                                | _                                             | 31/4" (83mm)                                                                                                          | 31/4" (83mm)                                                                                                          |
| ANSI function                            | 01                           | 02                                                                                       | 03                                                                                       | 03                                            | 11                                                                                                                    | —                                                                                                                     |
| Cylinder type                            | —                            | _                                                                                        | Rim                                                                                      | Rim                                           | 11/4" Mortise                                                                                                         | —                                                                                                                     |
| Handing                                  | -                            | —                                                                                        | _                                                                                        | _                                             | —                                                                                                                     | —                                                                                                                     |
| Optional trim                            | x990EO<br>x996EO             | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                               |                                                                                                                       |                                                                                                                       |
| Optional #425 SNB<br>quantity for device | 6                            | 2                                                                                        | 2                                                                                        | 6                                             | 2                                                                                                                     | 2                                                                                                                     |

|                                          | L                                                                                           | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                         | Lever – night latch<br>Key retracts latchbolt                                                                         | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 9848L<br>9948LF                                                                             | 9848L-NL<br>9948L-NL                                                                                                  | 9848L-BE<br>9948L-BE                                                                                                  | 9848L-DT<br>9948L-DT                                                                                                  |
| Trim description                         | 996L-R/V*                                                                                   | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                           | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₃" (73mm)                                                                   | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                          | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                         | Rim                                                                                                                   | _                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                           | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

# 9848-F/9948-F Concealed vertical rod fire exit device



**9848-F/9948-F Concealed vertical rod device** for use on pairs of doors up to 8' x 10' (2438mm x 3048mm), UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9848-F device has a smooth mechanism case and the 9948-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device option is used: SS (signal switch). See opposite page for available outside trim and functions.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.



### Specifications

| Specifications      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       |                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | СХ                                    | ALK                                   |
|                     | NL drive screw from device.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Chexit delayed                        | Alarm exit kit                        |
| Device lengths      | 2' 2' (610 mm) Door size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | exit                                  | Unauthorized                          |
|                     | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Meets NFPA 101     requirements       | opening triggers<br>85-decibel horn   |
|                     | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Self-contained                        | Set in armed or                       |
| Device centerline   | 39 <sup>5</sup> /₀" (1006 mm) Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | controls, locking,                    | disarmed mode                         |
| from finished floor | Adjustable from 35 <sup>5</sup> /8" (905mm) to 49 <sup>5</sup> /8" (1260mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | alarm                                 | by key                                |
| Center case         | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                       |                                       |
| dimensions          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | EL                                    | SS                                    |
| Mechanism case      | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Electric latch                        | Signal switch                         |
| dimensions          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | retraction                            | Signals                               |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Enables remote                        | unauthorized use                      |
|                     | Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | unlatching                            | of an opening                         |
| Latch bolt          | Deadlocking top bolt, 3/4" (19mm) throw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Alternative to                        | Switch makes                          |
| Laten Doll          | Deadlocking bottom bolt, 1 <sup>1</sup> / <sub>2</sub> " (38mm) throw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | manual dogging                        | latch bolt<br>tamper-resistant        |
| Door undercut       | <sup>3</sup> / <sub>4</sub> " (19mm) maximum, more than <sup>1</sup> / <sub>4</sub> " minimum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                       |                                       |
| Top & bottom        | 4 <sup>1</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>2</sub> " x 1 <sup>1</sup> / <sub>8</sub> " (107mm x 38mm x 28mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QEL                                   | LX                                    |
| Latch case          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Ouiet electric                        | Latchbolt monitor                     |
|                     | Round 2-piece adjustable rods – Top rod adjustable from 6'8"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | latch retraction                      | switch                                |
| Vertical rods       | (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 <sup>5</sup> / <sub>8</sub> "                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Bolt retraction via                   | <ul> <li>Signals use of an</li> </ul> |
|                     | (2027) (2027) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) (2023) | switch                                | opening                               |
|                     | doors over 8'4" (2533mm).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Converts exit                         | SPDT switch to                        |
| Fasteners & sex     | Includes screw pack for $1^3/4$ " (44mm) to $2^1/4$ " (57mm) thick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | door to push-pull operation           | monitor latch bolt                    |
| bolts (SNB)         | metal doors. Optional 425 SNB available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | operation                             |                                       |
| · · ·               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E (E996L)                             | RX                                    |
| Electric options    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                       | Pushpad monitor                       |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Electrified<br>breakaway lever        | switch                                |
|                     | RX2 Double pushpad monitor switch<br>E Electric unlocking and locking trim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Electrified remote                    | Signals use of an                     |
|                     | E Electric unlocking and locking trim<br>EL Electric latch retraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | locking/unlocking                     | opening                               |
|                     | OEL Quiet electric latch retraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Standard in fail                      | SPDT switch to                        |
|                     | SS Signal switch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | safe condition                        | monitor pushpad                       |
|                     | CX Chexit delayed exit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                       |                                       |
|                     | ALK Alarm exit kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                       |                                       |
|                     | WP-RX Waterproof request to exit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DN                                    |                                       |
|                     | CON Allegion Connect                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PN                                    | CON                                   |
| Mechanical          | GBK Glass bead kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Pneumatic latch                       | Allegion                              |
| options             | PN Pneumatic latch retraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | retraction                            | • Common                              |
| options             | SNB Sex bolts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | For areas where<br>electrical devices | connectors to                         |
|                     | SEC Security screws                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | banned                                | connect various                       |
|                     | SLM Special laminate material blocking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Special linkage                       | door hardware all                     |
| Dogging option      | No mechanical dogging. EL and QEL option available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | for mechanical or                     | the way to the<br>power supply        |
| Dogging option      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | pneumatic                             | power supply                          |
| Strikes             | Top – <b>338</b> - Unfinished, Bottom – <b>385A</b> - Unfinished                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | dogging                               |                                       |

### Standard trim

|                                                    | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL                                                                                                                    | TL-BE                                                                                                                 |
|----------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged<br>(not recommended for<br>fire device)                   | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                                | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                               |
| Product description                                | 9848EO-F<br>9948EO-F                |                                                                                          | 9848NL-F<br>9948NL-F                                                                     | 9848NL-OP-F<br>9948NL-OP-F                                      | 9848TL-F<br>9948TL-F                                                                                                  | 9848TL-BE-F<br>9948TL-BE-F                                                                                            |
| Trim description                                   | -                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-MD                                                        | 376T X 990DT                                                                                                          | 376T-BE X 990DT                                                                                                       |
| Escutcheon plate<br>size                           | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | -                                                               | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | -                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | _                                                               | _                                                                                                                     | —                                                                                                                     |
| Projection                                         | -                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | —                                                               | 31/4" (83mm)                                                                                                          | 31/4" (83mm)                                                                                                          |
| ANSI function                                      | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11                                                                                                                    | —                                                                                                                     |
| Cylinder type                                      | -                                   | —                                                                                        | Rim                                                                                      | Rim                                                             | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | —                                                                                                                     |
| Handing                                            | -                                   | _                                                                                        | _                                                                                        | _                                                               | —                                                                                                                     | —                                                                                                                     |
| Optional trim                                      | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                 |                                                                                                                       |                                                                                                                       |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 6                                   | 2                                                                                        | 2                                                                                        | 6                                                               | 2                                                                                                                     | 2                                                                                                                     |

|                                                    | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>Lever</b><br>Key locks & unlocks                                                                                   | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | Lever dummy trim<br>pull when dogged<br>(not recommended for fire device)                                             |
| Product description                                | 9848L-F<br>9948L-F                                                                                                    | 9848L-NL-F<br>9948L-NL-F                                                                                              | 9848L-BE-F<br>9948L-BE-F                                                                                              | _<br>_                                                                                                                |
| Trim description                                   | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate size                              | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     |
| Projection                                         | 2 <sup>7</sup> /8" (73mm)                                                                                             |
| ANSI function                                      | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                                      | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                            | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

# 9849/9949 Concealed vertical cable device



9849/9949 Concealed vertical cable device for use on single or double metal doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2014 Grade 1. The 9849 device has a smooth mechanism case and the 9949 device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and device functions.

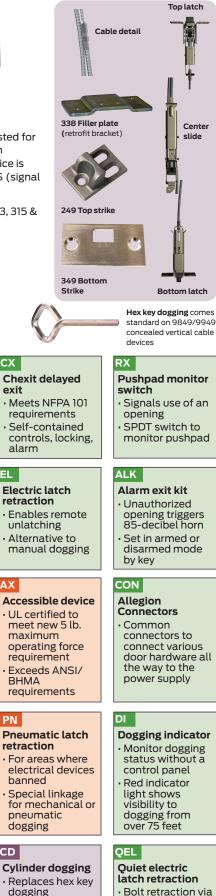
Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

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| Specifications      |                                                                                 |                                                                    |  |  |  |
|---------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------|--|--|--|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                  |                                                                    |  |  |  |
|                     | NL drive screw from device.                                                     |                                                                    |  |  |  |
| Device lengths      | 2'                                                                              | 2' (610 mm) Door size                                              |  |  |  |
|                     | 3'                                                                              | 2'4' to 3' (711mm to 914 mm) Door size                             |  |  |  |
|                     | 4'                                                                              | 2'10" to 4' (864 mm to 1219 mm) Door size                          |  |  |  |
| Device centerline   | 39⁵⁄₀" (1006 mm)                                                                |                                                                    |  |  |  |
| from finished floor |                                                                                 |                                                                    |  |  |  |
| Center case         | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                         |                                                                    |  |  |  |
| dimensions          |                                                                                 |                                                                    |  |  |  |
| Mechanism case      | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm) |                                                                    |  |  |  |
| dimensions          |                                                                                 |                                                                    |  |  |  |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                  |                                                                    |  |  |  |
|                     | Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                     |                                                                    |  |  |  |
| Latch bolt          | Deadlocking top & bottom bolt, $\frac{1}{2}$ " (13mm) throw                     |                                                                    |  |  |  |
| Door undercut       | 3/4" (19mm) maximum                                                             |                                                                    |  |  |  |
|                     | (24231516 spacer block kit needed for <sup>3</sup> / <sub>4</sub> " undercut)   |                                                                    |  |  |  |
| Top & bottom        |                                                                                 | $/_{4}$ x 1 <sup>7</sup> / <sub>16</sub> " (147mm x 32mm x 37mm)   |  |  |  |
| latch case          |                                                                                 |                                                                    |  |  |  |
| Vertical cable      | <sup>7</sup> / <sub>32</sub> " (6mm) Diameter stainless steel cables            |                                                                    |  |  |  |
| Fasteners & sex     | Includes screw pack for $1^{3}/4^{"}$ (44mm) to $2^{1}/4^{"}$ (57mm) thick      |                                                                    |  |  |  |
| bolts (SNB)         |                                                                                 | ors. Optional 425 SNB available.                                   |  |  |  |
| Electric options    |                                                                                 | Alarm exit kit                                                     |  |  |  |
|                     | CX                                                                              | Chexit delayed exit                                                |  |  |  |
|                     | E                                                                               | Electric unlocking and locking trim                                |  |  |  |
|                     | EL                                                                              | Electric billocking and locking tilli<br>Electric latch retraction |  |  |  |
|                     |                                                                                 |                                                                    |  |  |  |
|                     | HD-EL                                                                           | Electric latch retraction w/ hex dogging                           |  |  |  |
|                     | QEL                                                                             | Quiet electric latch retraction                                    |  |  |  |
|                     | *LX                                                                             | Latchbolt monitor switch                                           |  |  |  |
|                     | RX2                                                                             | Double pushpad monitor switch                                      |  |  |  |
|                     |                                                                                 | Trim monitor switch                                                |  |  |  |
|                     | RX                                                                              | Pushpad monitor switch                                             |  |  |  |
|                     | RXLC                                                                            | Pushpad monitor switch - low current                               |  |  |  |
|                     | SS                                                                              | Signal switch                                                      |  |  |  |
|                     | WP-RX                                                                           |                                                                    |  |  |  |
|                     | CON                                                                             | Allegion Connect                                                   |  |  |  |
| Mechanical          | GBK                                                                             | Glass bead kit                                                     |  |  |  |
| options             | LBL                                                                             | Less bottom latch                                                  |  |  |  |
|                     | AX                                                                              | Accessible device (LBL only)                                       |  |  |  |
|                     | PN                                                                              | Pneumatic latch retraction                                         |  |  |  |
|                     | SEC                                                                             | Security screws                                                    |  |  |  |
|                     | SG                                                                              | Safety glow                                                        |  |  |  |
|                     | SNB                                                                             | Sex bolts                                                          |  |  |  |
| Dogging feature     |                                                                                 | dogging standard                                                   |  |  |  |
| Dogging option      | CD                                                                              | Cylinder dogging                                                   |  |  |  |
|                     | SD                                                                              | Special center case dogging                                        |  |  |  |
|                     | LD                                                                              | Less dogging                                                       |  |  |  |
|                     | DI                                                                              | Dogging indicator                                                  |  |  |  |
|                     | CI                                                                              | Cylinder dogging indicator                                         |  |  |  |
| Strikes             | lop - <b>24</b> 9                                                               | 9 – Unfinished, Bottom – <b>349</b> - Unfinished                   |  |  |  |

\*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition





СХ

EL

AX

CD

Requires

standard 11/4"

mortise cylinder

Converts exit door to push-pull operation

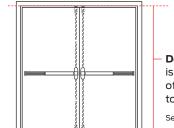
| Standard trim                            | Standard trim                       |                                                                          |                                                                          |                                                  |  |  |
|------------------------------------------|-------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------|--|--|
|                                          | EO                                  | DT                                                                       | NL                                                                       | NL-OP                                            |  |  |
|                                          | <b>No outside trim</b><br>Exit only | <b>Dummy trim</b><br>Pull when dogged                                    | Night latch<br>Key retracts latchbolt                                    | Key retracts latchbolt<br>optional pull required |  |  |
| Product description                      | 9849EO<br>9949EO                    | 9849DT<br>9949DT                                                         | 9849NL<br>9949NL                                                         | 9849NL-OP<br>9949NL-OP                           |  |  |
| Trim description                         | -                                   | 990DT                                                                    | 990NL-R/V                                                                | 110NL-MD                                         |  |  |
| Escutcheon plate<br>size                 | -                                   | 3" x 14 <sup>™</sup> /™ x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>™</sup> /™ x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | -                                                |  |  |
| Pull center to center                    | -                                   | 5½" (140mm)                                                              | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                  | -                                                |  |  |
| Projection                               | -                                   | 2" (51mm)                                                                | 2" (51mm)                                                                | -                                                |  |  |
| ANSI function                            | 01                                  | 02                                                                       | 03                                                                       | 03                                               |  |  |
| Cylinder type                            | -                                   | -                                                                        | Rim                                                                      | Rim                                              |  |  |
| Handing                                  | -                                   | -                                                                        | -                                                                        | -                                                |  |  |
| Optional trim                            | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                 |                                                  |  |  |
| Optional #425 SNB<br>quantity for device | б                                   | 2                                                                        | 2                                                                        | 6                                                |  |  |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |  |  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|--|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |  |  |
| Product description                      | 9849L<br>9949L                                                                                                        | 9849L-NL<br>9949L-NL                                                                                                  | 9849L-BE<br>9949L-BE                                                                                                  | 9849L-DT<br>9949L-DT                                                                                                  |  |  |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |  |  |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |  |  |
| Pull center to center                    | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |  |  |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             |  |  |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |  |  |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | —                                                                                                                     |  |  |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |  |  |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |  |  |

\* Electrified lever operation available

| Nominal door<br>opening height |               | Top cable<br>part number | Bottom cable part number |
|--------------------------------|---------------|--------------------------|--------------------------|
| 72" - 82"                      | 6'0" - 6'10"  | 47250398                 | 47250403                 |
| *82" - 96"                     | *6'10" - 8'   | 47250175                 | 47250178                 |
| >96" - 110"                    | >8'0" - 9' 2" | 47250176                 | 47250179                 |
| >110" - 120"                   | >9'2" - 10'   | 47250177                 | 47250180                 |

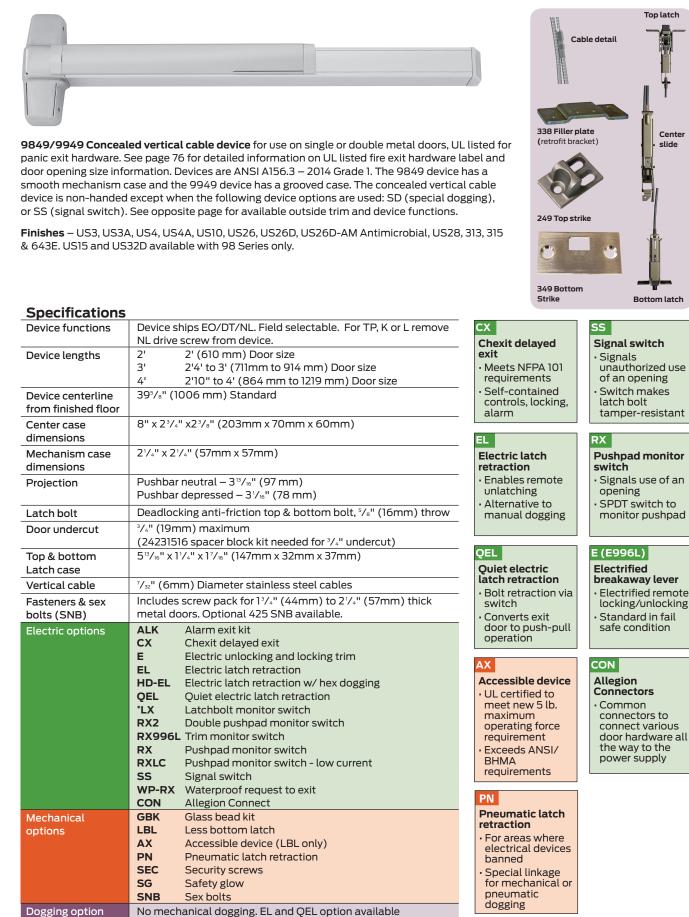
\*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.



Door opening height is distance from bottom of frame header to finished floor.

See table on left for standard offering.

# 9849-F/9949-F Concealed vertical cable fire exit device



Top – 249 - Unfinished, Bottom – 349 - Unfinished

\*For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

Strikes

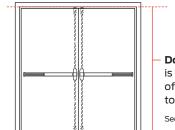
| Standard trim                            | Standard trim                      |                                                                           |                                                                |                            |  |  |
|------------------------------------------|------------------------------------|---------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------|--|--|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for fire device) | NL<br>Night latch<br>Key retracts latchbolt                    | NL-OP                      |  |  |
| Product description                      | 9849EO-F<br>9949EO-F               |                                                                           | 9849NL-F<br>9949NL-F                                           | 9849NL-OP-F<br>9949NL-OP-F |  |  |
| Trim description                         | -                                  | 990DT                                                                     | 990NL-R/V                                                      | 110NL-MD                   |  |  |
| Escutcheon plate<br>size                 | _                                  | 3" x 14 <sup>™</sup> /™ x <sup>³</sup> /₃²"<br>(76x360x2mm)               | 3" x 14 <sup>13</sup> /16" x <sup>3</sup> /32"<br>(76x360x2mm) | _                          |  |  |
| Pull center to center                    | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                        | -                          |  |  |
| Projection                               | -                                  | 2" (51mm)                                                                 | 2" (51mm)                                                      | -                          |  |  |
| ANSI function                            | 01                                 | 02                                                                        | 03                                                             | 03                         |  |  |
| Cylinder type                            | -                                  | -                                                                         | Rim                                                            | Rim                        |  |  |
| Handing                                  | -                                  | -                                                                         | -                                                              | -                          |  |  |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                  | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                       |                            |  |  |
| Optional #425 SNB<br>quantity for device | 6                                  | 2                                                                         | 2                                                              | б                          |  |  |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | Lever dummy trim<br>pull when dogged<br>(not recommended for fire device)                                             |
| Product description                      | 9849L-F<br>9949L-F                                                                                                    | 9849L-NL-F<br>9949L-NL-F                                                                                              | 9849L-BE-F<br>9949L-BE-F                                                                                              | _<br>_                                                                                                                |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

| Nominal door<br>opening height |               | Top cable<br>part number | Bottom cable part number |
|--------------------------------|---------------|--------------------------|--------------------------|
| 72" - 82"                      | 6'0" - 6'10"  | 47250398                 | 47250403                 |
| *82" - 96"                     | *6'10" - 8'   | 47250175                 | 47250178                 |
| >96" - 110"                    | >8'0" - 9' 2" | 47250176                 | 47250179                 |
| >110" - 120" >9'2" - 10'       |               | 47250177                 | 47250180                 |

\*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.



**Door opening height** is distance from bottom of frame header to finished floor.

See table on left for standard offering.

# 9847WDC/9947WDC Wood door concealed vertical rod device

Top Latch

338 Top Strike

385A

Bottom Strike



9847WDC/9947WDC Concealed vertical rod device for use on single or double wood doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2008 Grade 1. The 9847WDC device has a smooth mechanism case and the 9947WDC device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See opposite page for available outside trim and functions.

Scalp plate - Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods.

Note: Do not use on pair of doors with 9875/9975.

Finishes - US3, US4, US10, US26, US26D, US28 & 313. US15 and US32D available with 98 Series only.

| <b>1 mones</b> 000,000-, | 0310, 0320, 0320D, 0320 & 313. 0313 and 0332D available with 9                                        | 283                                                       | Top Strike                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|
| Specifications           |                                                                                                       | fram                                                      |                                                    |
| Device functions         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                        |                                                           |                                                    |
|                          | NL drive screw from device.                                                                           |                                                           | Hex key dogging comes                              |
| Device lengths           | 2' 2' (610 mm) Door size                                                                              |                                                           | standard on 9847/9947<br>Wood door concealed       |
|                          | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                             |                                                           | vertical rod devices                               |
|                          | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                          |                                                           |                                                    |
| Device centerline        | 39⁵⁄₃" (1006 mm) Standard                                                                             |                                                           |                                                    |
| from finished floor      | Adjustable from 35 <sup>5</sup> / <sub>8</sub> " (905mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260mm) | СХ                                                        | ALK                                                |
| Center case              | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                               | Chexit delayed                                            | Alarm exit kit                                     |
| dimensions               |                                                                                                       | exit                                                      | <ul> <li>Unauthorized</li> </ul>                   |
| Mechanism case           | 2'/4" x 2'/4" (57mm x 57mm)                                                                           | Meets NFPA 101                                            | opening triggers<br>85-decibel horn                |
| dimensions               |                                                                                                       | requirements <ul> <li>Self-contained</li> </ul>           | Set in armed or                                    |
| Projection               | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                        | controls, locking,                                        | disarmed mode                                      |
|                          | Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                           | alarm                                                     | by key                                             |
| Latch bolt               | Deadlocking top bolt, 5/8" (16mm) throw                                                               |                                                           |                                                    |
| Door undercut            | 1/4" (7mm) maximum                                                                                    | EL<br>Electric lotab                                      | PL<br>Dullman latah                                |
| Top & bottom             | 3 <sup>3</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>2</sub> " x 1" (95mm x 38mm x 25mm)           | Electric latch retraction                                 | Pullman latch                                      |
| Latch case               |                                                                                                       | Enables remote                                            | <ul> <li>Not for use with<br/>Fire Exit</li> </ul> |
| Vertical rods            | Round 2-piece adjustable rods – Top rod adjustable from 6'8"                                          | unlatching                                                | Hardware                                           |
|                          | (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 <sup>5</sup> /8"                                   | Alternative to                                            |                                                    |
|                          | (905 mm) to 49 <sup>5</sup> /8" (1260 mm). Extension rod kits available for                           | manual dogging                                            |                                                    |
|                          | doors over 8'4" (2533mm).                                                                             |                                                           |                                                    |
| Fasteners & sex          | Includes screw pack for $1^{3}/_{4}$ " (44mm) to $2^{1}/_{4}$ " (57mm) thick                          | QEL                                                       | LX                                                 |
| bolts (SNB)              | wood doors. 425 SNB required on wood doors without SLM                                                |                                                           |                                                    |
|                          | blocking.                                                                                             | Quiet electric<br>latch retraction                        | Latchbolt monitor<br>switch                        |
| Electric options         | LX Latchbolt monitor switch                                                                           | Bolt retraction via                                       | Signals use of an                                  |
|                          | RX Pushpad monitor switch                                                                             | switch                                                    | opening                                            |
|                          | RX2 Double pushpad monitor switch                                                                     | Converts exit                                             | SPDT switch to                                     |
|                          | E Electric unlocking and locking trim                                                                 | door to push-pull                                         | monitor latch bolt                                 |
|                          | EL Electric latch retraction                                                                          | operation                                                 |                                                    |
|                          | QEL Quiet electric latch retraction                                                                   | E (E996L)                                                 | RX                                                 |
|                          | SS Signal switch<br>CX Chexit delayed exit                                                            |                                                           |                                                    |
|                          | ALK Alarm exit kit                                                                                    | Electrified<br>breakaway lever                            | Pushpad monitor<br>switch                          |
|                          | WP-RX Waterproof request to exit                                                                      | Electrified remote                                        | Signals use of an                                  |
|                          | CON Allegion Connect                                                                                  | locking/unlocking                                         | opening                                            |
| Mechanical               | GBK Glass bead kit                                                                                    | Standard in fail                                          | SPDT switch to                                     |
| options                  | PN Pneumatic latch retraction                                                                         | safe condition                                            | monitor pushpad                                    |
| options                  | PL Pullman latch                                                                                      |                                                           |                                                    |
|                          | LBR Less bottom rod                                                                                   | DN                                                        | CON                                                |
|                          | SNB Sex bolts                                                                                         | PN                                                        | CON                                                |
|                          | SEC Security screws                                                                                   | Pneumatic latch<br>retraction                             | Allegion<br>Connectors                             |
| Dogging feature          | Hex key dogging standard                                                                              | For areas where                                           | · Common                                           |
| Dogging option           | CD Cylinder dogging                                                                                   | electrical devices                                        | connectors to                                      |
|                          | LD Less dogging                                                                                       | banned                                                    | connect various                                    |
|                          | DI Dogging indicator                                                                                  | <ul> <li>Special linkage<br/>for mechanical or</li> </ul> | door hardware all the way to the                   |
|                          | CI Cylinder dogging indicator                                                                         |                                                           | power supply                                       |
|                          | Top – <b>338</b> - Unfinished, Bottom – <b>385A</b> - Unfinished                                      | pneumatic                                                 | porto. copp.j                                      |

#### Standard trim

|                                          | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL                                                                                                                    | TL-BE                                                                                                                 |
|------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged                                                           | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                                | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                               |
| Product description                      | 9847WDC-EO                          | 9847WDC-DT                                                                               | 9847WDC-NL                                                                               | 9847WDCNL-OP                                                    | 9847WDC-TL                                                                                                            | 9847WDC-TL-BE                                                                                                         |
| Product description                      | 9947WDC-EO                          | 9947WDC-DT                                                                               | 9947WDC-NL                                                                               | 9947WDCNL-OP                                                    | 9947WDC-TL                                                                                                            | 9947WDC-TL-BE                                                                                                         |
| Trim description                         | _                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-WD                                                        | 376TWDC x<br>990DT                                                                                                    | 376TWDC-BE x<br>990DT                                                                                                 |
| Escutcheon plate<br>size                 | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                               | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | -                                                               | -                                                                                                                     | -                                                                                                                     |
| Projection                               | -                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | —                                                               | 2" (51mm)                                                                                                             | 2" (51mm)                                                                                                             |
| ANSI function                            | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11 or 12                                                                                                              | 16                                                                                                                    |
| Cylinder type                            | -                                   | —                                                                                        | Rim                                                                                      | Rim                                                             | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | -                                                                                                                     |
| Handing                                  | -                                   | —                                                                                        | —                                                                                        | —                                                               | -                                                                                                                     | -                                                                                                                     |
| Optional trim                            | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                 | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL                                                 |                                                                 |                                                                                                                       |                                                                                                                       |
| Optional #425 SNB<br>quantity for device | 6                                   | 2                                                                                        | 2                                                                                        | 6                                                               | 2                                                                                                                     | 2                                                                                                                     |

|                                          | L                                                                                           | L-NL                                                                                                                  | L-BE                                                                                        | L-DT                                                                                                                  |  |
|------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                         | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                   | Lever dummy trim<br>pull when dogged                                                                                  |  |
| Product description                      | 9847WDC-L<br>9947WDC-L                                                                      | 9847WDC-L-NL<br>9947WDC-L-NL                                                                                          | 9847WDC-L-BE<br>9947WDC-L-BE                                                                | 9847WDC-L-DT<br>9947WDC-L-DT                                                                                          |  |
| Trim description                         | 996L-R/V*                                                                                   | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                | 996L-DT                                                                                                               |  |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |  |
| Pull center to center                    | —                                                                                           | -                                                                                                                     | —                                                                                           | —                                                                                                                     |  |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                   | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                   | 2 <sup>7</sup> /₀" (73mm)                                                                                             |  |
| ANSI function                            | 08                                                                                          | 03                                                                                                                    | 14                                                                                          | 02                                                                                                                    |  |
| Cylinder type                            | Rim                                                                                         | Rim                                                                                                                   | -                                                                                           | -                                                                                                                     |  |
| Handing                                  | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     |  |
| Optional #425 SNB<br>quantity for device | 2                                                                                           | 2                                                                                                                     | 2                                                                                           | 2                                                                                                                     |  |

\* Electrified lever operation available

#### Notes

# $^{igodol}$ 9847WDC-F/9947WDC-F Wood door concealed vertical rod fire device



9847WDC-F/9947WDC-F Fire exit concealed vertical rod device for use on pairs of doors up to 8'0" x 9' 3" (2438mm x 2819mm) double wood doors, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 - 2008 Grade 1. The 9847WDC-F device has a smooth mechanism case and the 9947WDC-F device has a grooved case. The concealed vertical rod device is non-handed except when the following device options are used: SS (signal switch). See Opposite page for available outside trim and functions.

Scalp Plate - Device is furnished standard with an 8" (203mm) long scalp plate for easy access to rods. Note: Do not use on pair of doors with 9875-F/9975-F.

Finishes - US3, US4, US10, US26, US26D, US28 & 313. US15 and US32D available with 98 Series only.

#### Constitutions

| Specifications                                             |                                                                                                                                                                                                                                                                           |                                                                                                                                    |                                                                                                                                      |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Device functions                                           | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                                                                                                | CX<br>Chexit delayed                                                                                                               | ALK<br>Alarm exit kit                                                                                                                |
| Device lengths<br>Device centerline<br>from finished floor | 2'       2' (610 mm) Door size         3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size         39 <sup>5</sup> / <sub>8</sub> " (1006 mm) Standard                                                             | <ul> <li>Neets NFPA 101<br/>requirements</li> <li>Self-contained<br/>controls, locking,<br/>alarm</li> </ul>                       | Unauthorized<br>opening triggers<br>85-decibel horn<br>Set in armed or<br>disarmed mode<br>by key                                    |
| Center case<br>dimensions                                  | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                                   | EL                                                                                                                                 | LX                                                                                                                                   |
| Mechanism case<br>dimensions                               | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                                                                                                                                                                           | Electric latch retraction                                                                                                          | Latchbolt monito<br>switch                                                                                                           |
| Projection                                                 | Pushbar neutral $-3^{13}/_{16}$ " (97 mm)<br>Pushbar depressed $-3^{1}/_{16}$ " (78 mm)                                                                                                                                                                                   | <ul> <li>Enables remote<br/>unlatching</li> <li>Alternative to</li> </ul>                                                          | <ul> <li>Signals use of an opening</li> <li>SPDT switch to</li> </ul>                                                                |
| Latch bolt                                                 | Deadlocking top & bottom bolt, 5/8" (16mm) throw                                                                                                                                                                                                                          | manual dogging                                                                                                                     | monitor latch bol                                                                                                                    |
| Door undercut                                              | 1/4" (7mm) maximum                                                                                                                                                                                                                                                        |                                                                                                                                    |                                                                                                                                      |
| Top & bottom<br>Latch case                                 | 3 <sup>3</sup> / <sub>4</sub> " x 1 <sup>1</sup> / <sub>2</sub> " x 1" (95mm x 38mm x 25mm)                                                                                                                                                                               | QEL<br>Quiet electric                                                                                                              | RX<br>Pushpad monitor                                                                                                                |
| Vertical rods                                              | Round 2-piece adjustable rods – Top rod adjustable from 6'8"<br>(2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 <sup>5</sup> / <sub>8</sub> "<br>(905 mm) to 49 <sup>5</sup> / <sub>8</sub> " (1260 mm). Extension rod kits available for<br>doors over 8'4" (2533mm). | Idatch retraction     Bolt retraction via     switch     Converts exit     door to push-pull                                       | <ul> <li>Signals use of an opening</li> <li>SPDT switch to monitor pushpad</li> </ul>                                                |
| Fasteners & sex<br>bolts (SNB)                             | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.                                                                                     | operation                                                                                                                          |                                                                                                                                      |
| Electric options                                           | LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exit                                                   | E (E996L)<br>Electrified<br>breakaway lever<br>• Electrified remote<br>locking/unlocking<br>• Standard in fail<br>safe condition   | CON<br>Allegion<br>Connectors<br>- Common<br>connectors to<br>connect various<br>door hardware all<br>the way to the<br>power supply |
|                                                            | ALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect                                                                                                                                                                                                       | PN<br>Pneumatic latch<br>retraction                                                                                                |                                                                                                                                      |
| Mechanical<br>options                                      | GBKGlass bead kitPNPneumatic latch retractionPLPullman latchLBRLess bottom rodSNBSex boltsSECSecurity screws                                                                                                                                                              | <ul> <li>For areas where<br/>electrical devices<br/>banned</li> <li>Special linkage<br/>for mechanical or<br/>pneumatic</li> </ul> |                                                                                                                                      |
| Dogging option                                             | No mechanical dogging. EL and QEL option available                                                                                                                                                                                                                        | dogging                                                                                                                            |                                                                                                                                      |
| Strikes                                                    | Top – <b>338</b> - Unfinished, Bottom – <b>385A</b> - Unfinished                                                                                                                                                                                                          |                                                                                                                                    |                                                                                                                                      |



Top Latch

**Bottom Latch** 

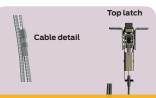
|                                                    | EO                                  | DT                                                                                       | NL                                                                                       | NL-OP                                                           | TL                                                                                                                    | TL-BE                                                                                                                 |
|----------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>No outside trim</b><br>Exit only | Dummy trim<br>Pull when dogged                                                           | Night latch<br>Key retracts latchbolt                                                    | Night latch<br>Key retracts latchbolt<br>optional pull required | Thumbturn<br>Key locks & unlocks<br>(use with DT trim)                                                                | Thumbturn<br>Blank escutcheon<br>always operable<br>(no cylinder)<br>(use with DT trim)                               |
| Product description                                | 9847WDC-EO-F                        | 9847WDC-DT-F                                                                             | 9847WDC-NL-F                                                                             | 9847WDCNL-OP-F                                                  | 9847WDC-TL-F                                                                                                          | 9847WDC-TL-BE-F                                                                                                       |
| i roudet desemption                                | 9947WDC-EO-F                        | 9947WDC-DT-F                                                                             | 9947WDC-NL-F                                                                             | 9947WDCNL-OP-F                                                  | 9947WDC-TL-F                                                                                                          | 9947WDC-TL-BE-F                                                                                                       |
| Trim description                                   | _                                   | 990DT                                                                                    | 990NL-R/V                                                                                | 110NL-WD                                                        | 376TWDC x<br>990DT                                                                                                    | 376TWDC-BE x<br>990DT                                                                                                 |
| Escutcheon plate<br>size                           | _                                   | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | 3" x 14 <sup>13</sup> / <sub>16</sub> " x <sup>3</sup> / <sub>32</sub> "<br>(76x360x2mm) | _                                                               | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | —                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                  | _                                                               | —                                                                                                                     | _                                                                                                                     |
| Projection                                         | —                                   | 2" (51mm)                                                                                | 2" (51mm)                                                                                | _                                                               | 2" (51mm)                                                                                                             | 2" (51mm)                                                                                                             |
| ANSI function                                      | 01                                  | 02                                                                                       | 03                                                                                       | 03                                                              | 11                                                                                                                    | _                                                                                                                     |
| Cylinder type                                      | —                                   | _                                                                                        | Rim                                                                                      | Rim                                                             | 1 <sup>1</sup> / <sub>4</sub> " Mortise                                                                               | _                                                                                                                     |
| Handing                                            | _                                   | _                                                                                        | _                                                                                        | _                                                               | _                                                                                                                     | _                                                                                                                     |
| Optional trim                                      | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x996L-DT<br>x696DT<br>x697DT                                     | x996K-NL<br>x996L-NL<br>x996L-NL<br>x696NL<br>x696NL                                     |                                                                 |                                                                                                                       |                                                                                                                       |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 6                                   | 2                                                                                        | 2                                                                                        | 6                                                               | 2                                                                                                                     | 2                                                                                                                     |

|                                                    | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                        | L-DT                                                                                                                  |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                                    | <b>Lever</b><br>Key locks & unlocks                                                                                   | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                            | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                                | 9847WDC-L-F<br>9947WDC-L-F                                                                                            | 9847WDC-L-NL-F<br>9947WDC-L-NL-F                                                                                      | 9847WDC-L-BE-F<br>9947WDC-L-BE-F                                                            | 9847WDC-L-DT-F<br>9947WDC-L-DT-F                                                                                      |
| Trim description                                   | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                           | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> /4" x 10 <sup>3</sup> /4" x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                              | -                                                                                                                     | -                                                                                                                     | -                                                                                           | -                                                                                                                     |
| Projection                                         | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₅" (73mm)                                                                   | 2 <sup>7</sup> /8" (73mm)                                                                                             |
| ANSI function                                      | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                          | 02                                                                                                                    |
| Cylinder type                                      | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                           | -                                                                                                                     |
| Handing                                            | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                           | Handed/Reversible                                                                                                     |
| #425 SNB optional<br>- HMD req. WD<br>w/o SLM pkg. | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                           | 2                                                                                                                     |

\* Electrified lever operation available

# 9849WDC/9949WDC Wood door concealed vertical cable device





# THIS PRODUCT IS OBSOLETE and has been replaced by the 98/9950 WDC.

643E. US15 and US32D available with 98 Series only.

| Specifications      |                                                                                                                              | 349 Botton                                             | n <b>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</b>                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                               | Strike                                                 | Bottom latch                                                      |
|                     | NL drive screw from device.                                                                                                  |                                                        | Hex key dogging comes                                             |
| Device lengths      | 2' 2' (610 mm) Door size                                                                                                     |                                                        | standard on 9849/9949                                             |
|                     | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                    |                                                        | Wood door concealed                                               |
|                     | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                                 |                                                        | vertical cable devices                                            |
| Device centerline   | 39⁵⁄₃" (1006 mm) Standard                                                                                                    |                                                        |                                                                   |
| from finished floor |                                                                                                                              | CX                                                     | ALK                                                               |
| Center case         | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                      | Chexit delayed                                         | Alarm exit kit                                                    |
| dimensions          |                                                                                                                              | exit                                                   | Unauthorized                                                      |
| Mechanism case      | 2¼" x 2¼" (57mm x 57mm)                                                                                                      | Meets NFPA 101                                         | opening triggers                                                  |
| dimensions          |                                                                                                                              | requirements                                           | 85-decibel horn                                                   |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                               | Self-contained                                         | Set in armed or                                                   |
|                     | Pushbar depressed – 3¼6" (78 mm)                                                                                             | controls, locking,                                     | disarmed mode                                                     |
| Latch bolt          | Deadlocking top & bottom bolt. $1^{1}/_{2}$ " (38mm) throw                                                                   | alarm                                                  | by key                                                            |
| Door undercut       | ³∕₀" undercut (10mm)                                                                                                         | EL                                                     | RX                                                                |
| Top & bottom        | 5 <sup>13</sup> / <sub>16</sub> " x 1 <sup>1</sup> / <sub>4</sub> " x 1 <sup>7</sup> / <sub>16</sub> " (147mm x 32mm x 37mm) |                                                        |                                                                   |
| Latch case          |                                                                                                                              | Electric latch retraction                              | Pushpad monitor switch                                            |
| Vertical cables     | <sup>7</sup> / <sub>32</sub> " (6mm) Diameter stainless steel cables                                                         | Enables remote                                         | Signals use of an                                                 |
| Fasteners & sex     | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick               | unlatching                                             | opening                                                           |
| bolts (SNB)         | wood doors. 425 SNB required on wood doors without SLM                                                                       | Alternative to                                         | SPDT switch to                                                    |
|                     | blocking.                                                                                                                    | manual dogging                                         | monitor pushpad                                                   |
| Electric options    | ALK Alarm exit kit                                                                                                           |                                                        |                                                                   |
|                     | CX Chexit delayed exit                                                                                                       | OEL                                                    | LX                                                                |
|                     | E Electric unlocking and locking trim                                                                                        | ·                                                      |                                                                   |
|                     | EL Electric latch retraction                                                                                                 | Quiet electric<br>latch retraction                     | Latchbolt monitor switch                                          |
|                     | HD-EL Electric latch retraction w/ hex dogging                                                                               | Bolt retraction via                                    | Signals use of an                                                 |
|                     | QEL Quiet electric latch retraction                                                                                          | switch                                                 | opening                                                           |
|                     | *LX Latchbolt monitor switch                                                                                                 | Converts exit                                          | SPDT switch to                                                    |
|                     | RX2 Double pushpad monitor switch                                                                                            | door to push-pull                                      | monitor latch bolt                                                |
|                     | RX996L Trim monitor switch                                                                                                   | operation                                              |                                                                   |
|                     | RX Pushpad monitor switch                                                                                                    |                                                        |                                                                   |
|                     | <b>RXLC</b> Pushpad monitor switch - low current                                                                             | E (E996L)                                              | CON                                                               |
|                     | SS Signal switch                                                                                                             | Electrified                                            | Allegion                                                          |
|                     | WP-RX Waterproof request to exit                                                                                             | breakaway lever                                        | Connectors                                                        |
|                     | CON Allegion Connect                                                                                                         | Electrified remote                                     | Common                                                            |
| Mechanical          | GBK Glass bead kit                                                                                                           | locking/unlocking <ul> <li>Standard in fail</li> </ul> | connectors to<br>connect various                                  |
| options             | LBL Less bottom latch                                                                                                        | safe condition                                         | door hardware all                                                 |
|                     | PN Pneumatic latch retraction                                                                                                | Sare condition                                         | the way to the                                                    |
|                     | SEC Security screws                                                                                                          |                                                        | power supply                                                      |
|                     | SG Safety glow                                                                                                               | DN                                                     |                                                                   |
|                     | SNB Sex bolts                                                                                                                | PN                                                     |                                                                   |
| Dogging feature     | Hex key dogging standard                                                                                                     | Pneumatic latch<br>retraction                          |                                                                   |
| Dogging option      | CD Cylinder dogging                                                                                                          |                                                        |                                                                   |
|                     | SD Special center case dogging                                                                                               | For areas where     electrical devices                 |                                                                   |
|                     | LD Less dogging                                                                                                              | banned                                                 | *Eor 08/00/0 douters 1.V                                          |
|                     | DI Dogging indicator                                                                                                         | <ul> <li>Special linkage</li> </ul>                    | *For 98/9949 devices, LX swite<br>monitors trim input or electric |
|                     |                                                                                                                              |                                                        |                                                                   |
| Strikes             | CI Cylinder dogging indicator<br>Top - 249 – Unfinished, Bottom – 349 – Unfinished                                           | for mechanical or pneumatic                            | dogging of EL/QEL devices. LX switch does not monitor             |

EO

THIS PRODUCT IS OBSOLETE and has been replaced by the 98/9950 WDC.

NL

NL-OP

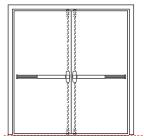
DT

|                                          |                  | 13" × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 % × 14 |                                          |     |
|------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-----|
|                                          |                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                          |     |
| Projection                               | <u> </u>         | 2" (51mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2" (51mm)                                |     |
| ANSI function                            | 01               | 02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 03                                       | 03  |
| Cylinder type                            | -                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rim                                      | Rim |
| Handing                                  | -                | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -                                        | -   |
| Optional trim                            | x990EO<br>x996EO | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL |     |
| Optional #425 SNB<br>quantity for device | 6                | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2                                        | 6   |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 9849WDC-L<br>9949WDC-L                                                                                                | 9849WDC-L-NL<br>9949WDC-L-NL                                                                                          | 9849WDC-L-BE<br>9949WDC-L-BE                                                                                          | 9849WDC-L-DT<br>9949WDC-L-DT                                                                                          |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate size                    | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /8" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

| ng height |
|-----------|
| Inches    |
| 80"       |
| 84"       |
| 96"       |
| 108"      |
| 120"      |
|           |



**Door opening height** is measured from finished floor to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

# 9849WDC-F/9949WDC-F Wood door concealed vertical cable fire device

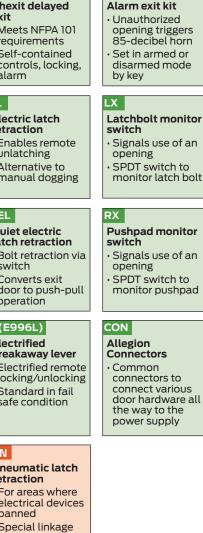
# THIS PRODUCT IS OBSOLETE and has been replaced by the 98/9950 WDC.

Note: Do not use on pair of doors with 9975 devices.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

#### Specifications

| Device lengths       2'       2' (610 mm) Door size         3'       2'4 to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size         Device centerline<br>from finished floor       39'/*" (1006 mm) Standard         Center case       8" x 2'/." x 2'/." (203mm x 70mm x 60mm)         dimensions       2'/." x 2'/." (57mm x 57mm)         dimensions       2'/." x 2'/." (57mm x 57mm)         Latch bolt       Deadlocking top & bottom bolt, 1'/s" (38mm) throw         Door undercut       ?/." undercut (10mm)         Top & bottom       5''/-" x 1'/-" x 1'/*" (147mm x 32mm x 37mm)         Latch case       ?/" x 1'/-" x 1'/*" (147mm x 32mm x 37mm)         Latch case       ?/" X Chexit delayed exit         Vertical cables       ?/" x 1'/-" x 1'/*" (147mm x 32mm x 37mm)         Latch bott       Converts exit door to push-pull operation         bots (SNB)       Nature tk iti         CALK       Alar mexit kit         CALK       Alar mexit kit         CAL       Chexit delayed exit         E       Electric latch retraction         yeartical cables       ?/" Latchoolt monitor switch         RX       Door undercut       ?/" 1//" 1//" (44mm) to 2'/" (57mm) thick         bots (SNB)       Docking. <th>Device functions</th> <th>Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.</th> <th>CX</th> <th>ALK</th>                                                                                                                                                                                                                                                                                                                                                                                                                   | Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                                                                                                                       | CX                                                                                                                                              | ALK                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| from finished floor       Centre case       8" x 21/*" x 21/*" (203mm x 70mm x 60mm)       Disarmed         Genter case       8" x 21/*" x 21/*" (203mm x 70mm x 60mm)       El       Electric latch         Mechanism case       21/*" x 21/*" (57mm x 57mm)       Electric latch       Electric latch         Projection       Pushbar neutral – 3*/*" (97 mm)       Electric latch       Electric latch         Door undercut       7/*" undercut (10mm)       Enables remote       Signals u         Top & bottom       5*/*" x 11/*" x 17/*" (147mm x 32mm x 37mm)       Electric latch       Signals u         Latch bolt       Deadlocking top & bottom bolt, 11/*" (38mm) throw       Door undercut       Ye" undercut (10mm)         Top & bottom       5*/*" x 11/*" x 17/*" (147mm x 32mm x 37mm)       Electric latch retraction via south to the vood doors. 425 SNB required on wood doors without SLM blocking.       Distretaction via south to south to south to the vood doors. 425 SNB required on wood doors without SLM blocking.       Outer telectric latch retraction with south to the vood doors witch retraction with the CX Chexit delayed exit       E Electric latch retraction with the CX Chexit delayed exit       E Electric latch retraction with the Xit genesite         RX       Pushpad monitor switch       RX       Duble pushpad monitor switch       RX Pushpad         RX       Duble pushpad monitor switch - low current SS Signal switch       Signal su witch       PN <td></td> <td>2'       2' (610 mm) Door size         3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size</td> <td>exit<br/>• Meets NFPA 101<br/>requirements</td> <td>Alarm exit kit<br/>• Unauthorized<br/>opening triggers<br/>85-decibel horn<br/>• Set in armed or</td> |                     | 2'       2' (610 mm) Door size         3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                                | exit<br>• Meets NFPA 101<br>requirements                                                                                                        | Alarm exit kit<br>• Unauthorized<br>opening triggers<br>85-decibel horn<br>• Set in armed or |
| dimensions       2'/." x 2 /." (57mm x 57mm)         Mechanism case<br>dimensions       2'/." x 2 /." (57mm x 57mm)         Projection       Pushbar neutral – 3''/-" (97 mm)<br>Pushbar depressed – 3'/-" (78 mm)         Latch bolt       Deadlocking top & bottom bolt, 1'/:" (38mm) throw         Door undercut       '/-" undercut (10mm)         Top & bottom       5''/-" x 1'/-" x 1'/-" (147mm x 32mm x 37mm)         Latch case       5''/-" x 1'/-" (147mm x 32mm x 37mm)         Vertical cables       '/-" (6mm) Diameter stainless steel cables         Vertical cables       '/-" (6mm) Diameter stainless steel cables         Nod doors. 425 SNB required on wood doors without SLM<br>blocking.       Soft retraction via<br>switch         Electric options       ALK       Alarm exit kit         Converts exit<br>door to push-pui<br>options       Signals u<br>opening<br>vood doors. 425 SNB required on wood doors without SLM<br>blocking.       Soft retraction via<br>switch         FL       Electric latch retraction<br>to x X       Converts exit<br>door to push-pui<br>operation       Signals u<br>opening<br>switch         NDEL       Electric latch retraction w/n kex dogging<br>QEL       Quiet electric<br>latch retraction       Soft retraction         NLX       Latchobot monitor switch<br>RX       Pushpad monitor switch<br>RX       Pushpad monitor switch<br>RX       Soft retraction         RX       Pushpad monitor switch<br>RX       Soft fast glow<br>SSS                                                                                                                                                                                                                                                                                                                                         | from finished floor |                                                                                                                                                                                                                                                                                                  |                                                                                                                                                 | disarmed mode<br>by key                                                                      |
| Mechanism case<br>dimensions       2'/." x 2'/." (57mm x 57mm)       Latch bolt         Projection       Pushbar neutral – 3"/-" (97 mm)<br>Pushbar depressed – 3'/-" (78 mm)       Electric latch<br>retraction       : nables remote<br>unlatching       : Signals u<br>opening         Latch bolt       Deadlocking top & bottom bolt, 1'/." (38mm) throw       : Alternative to<br>manual dogging       : Signals u<br>opening         Door undercut       '/." (10mm)       Top & bottom       : S'/" x 1'/" (147mm x 32mm x 37mm)         Latch case       '/" (6mm) Diameter stailess steel cables       Includes screw pack for 1'/" (47mm to 2'/" (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.       : Solt retraction<br>switch       : Solt retraction<br>opening       : Signals u<br>opening       :                                                                                                                                                                                   |                     | 8" x 2³7₄" x2³7₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                                                          |                                                                                                                                                 |                                                                                              |
| Projection       Pushbar neutral – 3"/-" (97 mm)       Pushbar depressed – 3//*" (78 mm)         Latch bolt       Deadlocking top & bottom bolt, 1/2" (38mm) throw       Door undercut                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Mechanism case      | 2 <sup>1</sup> /4" x 2 <sup>1</sup> /4" (57mm x 57mm)                                                                                                                                                                                                                                            | Electric latch                                                                                                                                  | Latchbolt monito                                                                             |
| Latch John       Decaded ching top's dotted in both (17.5 (201111) throw)       manual dogging         Door undercut       7/* " undercut (10mm)       manual dogging         Top & bottom       5 "/*" (3mm) Diameter stainless steel cables       manual dogging         Vertical cables       7/*" (6mm) Diameter stainless steel cables       QEL       Quiet electric latch retraction via blocking.         Electric options       ALK       Alarm exit kit       Both (4mm) to 27/*" (57mm) thick door to push-pull operation       Both retraction via switch         Electric options       ALK       Alarm exit kit       C C Chexit delayed exit       Both retraction via switch         EL       Electric latch retraction       HD-EL       Electric latch retraction       Both retraction via switch         RX       Pushpad monitor switch       RX       Pushpad monitor switch       CON         RX       Pushpad monitor switch       S S signal switch       Stard in fail       Stard in fail         RX       Pushpad monitor switch - low current       SS S Signal switch       Stard in fail       Stard in fail         Mechanical options       GBK       Glass bead kit       Pneumatic latch retraction       Special linkage for mechanical or pneumatic latch retraction         Stifkes       Top - 249 - Unfinished, Bottom - 349 - Unfinished       *For 98/9949 devices LX switch monitors tr                                                                                                                                                                                                                                                                                                                                                                                                                        | Projection          |                                                                                                                                                                                                                                                                                                  | Enables remote     unlatching                                                                                                                   | Signals use of an opening                                                                    |
| Door undercut       '/-" undercut (10mm)         Top & bottom       5"/-" x 1//-" x 1//-" (147mm x 32mm x 37mm)         Latch case       '/-" (6mm) Diameter stainless steel cables         Vertical cables       '/-" (6mm) Diameter stainless steel cables         Fasteners & sex       Includes screw pack for 1//-" (44mm) to 2//-" (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking.         Blocking.       ALK         Electric options       ALK         ALK       Alarm exit kit         CX       Chexit delayed exit         E       Electric latch retraction         GEL       Quet electric uncoking and locking trim         EL       Electric latch retraction w/ hex dogging         QEL       Quiet electric latch retraction         T/X       Latchbolt monitor switch         RX2       Double pushpad monitor switch         RX2       Double pushpad monitor switch         RX2       Pushpad monitor switch         RX1C       Pushpad monitor switch         PN       Pneu                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Latch bolt          | Deadlocking top & bottom bolt, $1\frac{1}{2}$ " (38mm) throw                                                                                                                                                                                                                                     |                                                                                                                                                 | SPDT switch to     monitor latch bol                                                         |
| Latch case       Vertical cables       ?/*" ("6mm) Diameter stainless steel cables       QEL       Quiet electric       Pushpad         Fasteners & sex       Includes screw pack for 1½." ('44mm) to 2½." (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking.       Bolt retraction via switch       Signals u opening       · Signals u opening                                                                                                                                                                                                                                                                                       | Door undercut       | ³∕₀" undercut (10mm)                                                                                                                                                                                                                                                                             | manual dogging                                                                                                                                  |                                                                                              |
| Fasteners & sex<br>bolts (SNB)       Includes screw pack for 1½," (44mm) to 2½," (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.       Includes screw pack for 1½," (44mm) to 2½," (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.       Includes screw pack for 1½," (44mm) to 2½," (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.       Includes screw pack for 1½," (44mm) to 2½," (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.       Includes screw pack for 1½," (44mm) to 2½," (57mm) thick<br>wood doors. 425 SNB required on wood doors without SLM<br>blocking.         Electric options       ALK       Alarm exit kit       Sport       Bolt retraction<br>wood doors using and locking trim<br>EL       Electric latch retraction         FL       CA       Chexit delayed exit       E       Electric latch retraction         QEL       Quiet electric latch retraction       Fige Spol       Electrified<br>breakaway lever       Electrified remote<br>locking/unlocking       • Conmor<br>connect or<br>door hard<br>the way to<br>power su         Mechanical<br>options       GBK       Glass bead kit<br>LBL       Less bottom latch<br>PN       Pneumatic latch retraction<br>SLM       For areas where<br>electrical devices<br>banned       • Special linkage<br>for mechanical or<br>pneumatic         Sogging option       No mechanical dogging. EL and QEL option available       • Special linkage<br>for mechanical or<br>pneumatic       • Special linkage<br>for mechanical or<br>pneumatic                                                                                                                                                                            |                     | 5 <sup>13</sup> / <sub>16</sub> " x 1 <sup>1</sup> / <sub>4</sub> " x 1 <sup>7</sup> / <sub>16</sub> " (147mm x 32mm x 37mm)                                                                                                                                                                     | QEL                                                                                                                                             | RX                                                                                           |
| Pasterier's & Sex       Initialized Sciew pack for 17. (44mm) to 27.4 (symin) thick       • Bolt retraction via switch         bolts (SNB)       wood doors. 425 SNB required on wood doors without SLM       • Bolt retraction via switch         Electric options       ALK       Alarm exit kit       • Converts exit door to push-pull operation         Electric latch retraction       E       Electric latch retraction       • Converts exit door to push-pull operation         HD-EL       Electric latch retraction       • HD-EL       Electric latch retraction         HZX2       Double pushpad monitor switch       EX22       Double pushpad monitor switch         RX2       Double pushpad monitor switch       • Standard in fail safe condition       • Conmector connector to exit goor sugnal switch         WP-RX       Waterproof request to exit       • Sugnal switch       • Special latch retraction         WP-RX       Waterproof request to exit       • For areas where electric altch retraction         Options       EBL       Less bottom latch       • For areas where electrical devices banned         SEC       Safety glow       SNB       Sex bolts       • Special lankage for mechanical or pneumatic latch retraction available         Dogging option       No mechanical dogging. EL and QEL option available       • Special linkage for mechanical or pneumatic logging         Strikes       Top –                                                                                                                                                                                                                                                                                                                                                                                                     | Vertical cables     | $7/_{32}$ " (6mm) Diameter stainless steel cables                                                                                                                                                                                                                                                |                                                                                                                                                 | Pushpad monitor                                                                              |
| Electric options       ALK       Alarm exit kit       door to push-pull operation         CX       Chexit delayed exit       door to push-pull operation         E       Electric unlocking and locking trim         EL       Electric latch retraction         HD-EL       Electric latch retraction w/ hex dogging         QEL       Quiet electric latch retraction         KX       Double pushpad monitor switch         RX       Pushpad monitor switch         RX       Pushpad monitor switch         RXLC       Pushpad monitor switch - low current         SS       Signal switch         WP-RX       Waterproof request to exit         CON       Allegion Connect         PN       Pneumatic latch retraction         SEC       Security screws         SG       Safety glow         SNB       Sex bolts         SLM       Special laminate material blocking         Dogging option       No mechanical dogging. EL and QEL option available         Strikes       Top - 249 - Unfinished. Bottom - 349 - Unfinished                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                     | wood doors. 425 SNB required on wood doors without SLM                                                                                                                                                                                                                                           | Bolt retraction via<br>switch                                                                                                                   | Signals use of an opening                                                                    |
| CON       Allegion Connect         Mechanical options       GBK       Glass bead kit         PN       Pneumatic latch retraction         SEC       Security screws         SG       Safety glow         SNB       Sex bolts         SLM       Special laminate material blocking         Dogging option       No mechanical dogging. EL and QEL option available         Strikes       Top - 249 - Unfinished, Bottom - 349 - Unfinished                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Electric options    | CXChexit delayed exitEElectric unlocking and locking trimELElectric latch retractionHD-ELElectric latch retraction w/ hex doggingQELQuiet electric latch retraction*LXLatchbolt monitor switchRX2Double pushpad monitor switchRX4Pushpad monitor switchRX4Pushpad monitor switchRX5Signal switch | door to push-pull<br>operation<br>E(E996L)<br>Electrified<br>breakaway lever<br>• Electrified remote<br>locking/unlocking<br>• Standard in fail |                                                                                              |
| Dogging option       No mechanical dogging, EL and QEL option available         Strikes       Top – 249 - Unfinished, Bottom – 349 - Unfinished                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     | CONAllegion ConnectGBKGlass bead kitLBLLess bottom latchPNPneumatic latch retractionSECSecurity screwsSGSafety glowSNBSex bolts                                                                                                                                                                  | Pneumatic latch<br>retraction<br>• For areas where<br>electrical devices<br>banned<br>• Special linkage<br>for mechanical or<br>pneumatic       |                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                     |                                                                                                                                                                                                                                                                                                  |                                                                                                                                                 |                                                                                              |
| monitor latchbolt condition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Strikes             | Top – <b>249</b> - Unfinished, Bottom – <b>349</b> - Unfinished                                                                                                                                                                                                                                  | electric dogging of EL/QEL de                                                                                                                   |                                                                                              |



Top latch

Bottom latch

Cable detail

349 Bottom

Strike

monitor latchbolt condition.

EO

DT

NL

# **THIS PRODUCT IS OBSOLETE** and has been replaced by the 98/9950 WDC.

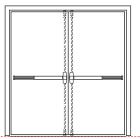
|               | See p | l3" × 143/3" ×3/3"<br>ages 48-51 for more | 3" x 14"%" x 3/5"<br>e information. |     |
|---------------|-------|-------------------------------------------|-------------------------------------|-----|
|               |       |                                           |                                     |     |
| Projection    |       | 2" (51mm)                                 | 2" (51mm)                           |     |
| ANSI function | 01    | 02                                        | 03                                  | 03  |
| Cylinder type | -     | -                                         | Rim                                 | Rim |
| Handing       | _     | _                                         | _                                   | _   |

| Handing                                  | —      | -        | -        | - |
|------------------------------------------|--------|----------|----------|---|
| Optional trim                            | x990EO | x996K-DT | x996K-NL |   |
|                                          | x996EO | x996L-DT | x996L-NL |   |
|                                          |        | x996L-DT | x996L-NL |   |
|                                          |        | x696DT   | x696NL   |   |
|                                          |        | x697DT   | x697NL   |   |
| Optional #425 SNB<br>quantity for device | б      | 2        | 2        | б |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | <b>Lever – night latch</b><br>Key retracts latchbolt                                                                  | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | <b>Lever dummy trim</b><br>pull when dogged<br>(not recommended for fire device)                                      |
| Product description                      | 9849WDC-L-F<br>9949WDC-L-F                                                                                            | 9849WDC-L-NL-F<br>9949WDC-L-NL-F                                                                                      | 9849WDC-L-BE-F<br>9949WDC-L-BE-F                                                                                      | -                                                                                                                     |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

| Standard door opening height |        |  |  |
|------------------------------|--------|--|--|
| Feet                         | Inches |  |  |
| 6'8"                         | 80"    |  |  |
| 7'                           | 84"    |  |  |
| 8'                           | 96"    |  |  |
| 9'                           | 108"   |  |  |
| 10'                          | 120"   |  |  |
|                              |        |  |  |



Door opening height is measured from finished floor to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

# 9850WDC/9950WDC Wood door concealed vertical cable device

Top latch 32 R

Center

slide

338 Filler plate (retrofit bracket)

150 Top strike



9850WDC/9950WDC Concealed vertical cable device for use on single or double wood doors, UL listed for panic exit hardware. Devices are ANSI A156.3 - 2008 Grade 1. The 9850WDC device has a smooth mechanism case and the 9950WDC device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SD (special dogging), or SS (signal switch). See Opposite page for available outside trim and functions.

Scalp Plate - Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Note: Do not use on pair of doors with 9975 devices.

Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

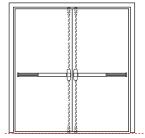
| Specifications      |                                                                                                                              | 450<br>Botto                       | om strike Bottom latch                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------|
| Device functions    | Device ships EO/DT/NL. Field selectable. For TP, K or L remove                                                               | Botta                              | Jan Strike Dottomaten                                     |
|                     | NL drive screw from device.                                                                                                  |                                    | Hex key dogging come                                      |
| Device lengths      | 2' 2' (610 mm) Door size                                                                                                     |                                    | standard on 9850/995                                      |
|                     | 3' 2'4' to 3' (711mm to 914 mm) Door size                                                                                    |                                    | Wood door concealed                                       |
|                     | 4' 2'10" to 4' (864 mm to 1219 mm) Door size                                                                                 |                                    | vertical cable devices                                    |
| Device centerline   | 39⁵/₃" (1006 mm) Standard                                                                                                    |                                    |                                                           |
| from finished floor |                                                                                                                              | CX                                 | ALK                                                       |
| Center case         | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                      |                                    |                                                           |
| dimensions          |                                                                                                                              | Chexit delayed<br>exit             | Alarm exit kit                                            |
| Mechanism case      | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                              | • Meets NFPA 101                   | Unauthorized     opening triggers                         |
| dimensions          |                                                                                                                              | requirements                       | 85-decibel horn                                           |
| Projection          | Pushbar neutral – 3 <sup>13</sup> /16" (97 mm)                                                                               | <ul> <li>Self-contained</li> </ul> | Set in armed or                                           |
|                     | Pushbar depressed – 3¼6" (78 mm)                                                                                             | controls, locking,                 | disarmed mode                                             |
| Latch bolt          | Deadlocking top & bottom bolt. $1^{1}/_{2}$ " (38mm) throw                                                                   | alarm                              | by key                                                    |
| Door undercut       | <sup>3</sup> / <sub>4</sub> " (19mm) maximum                                                                                 |                                    | DY                                                        |
| Top & bottom        | 5 <sup>13</sup> / <sub>16</sub> " x 1 <sup>1</sup> / <sub>4</sub> " x 1 <sup>7</sup> / <sub>16</sub> " (147mm x 32mm x 37mm) | EL                                 | RX                                                        |
| Latch case          |                                                                                                                              | Electric latch retraction          | Pushpad monitor<br>switch                                 |
| Vertical cables     | <sup>7</sup> / <sub>32</sub> " (6mm) Diameter stainless steel cables                                                         | • Enables remote                   | Signals use of an                                         |
| Fasteners & sex     |                                                                                                                              | unlatching                         | opening                                                   |
| bolts (SNB)         | Includes screw pack for $1^{3}/4^{"}$ (44mm) to $2^{1}/4^{"}$ (57mm) thick wood doors.                                       | Alternative to                     | • SPDT switch to                                          |
| Electric options    | ALK Alarm exit kit                                                                                                           | manual dogging                     | monitor pushpad                                           |
| Electric options    | CX Chexit delayed exit                                                                                                       |                                    |                                                           |
|                     |                                                                                                                              |                                    |                                                           |
|                     |                                                                                                                              | QEL                                | LX                                                        |
|                     |                                                                                                                              | Quiet electric                     | Latchbolt monito                                          |
|                     |                                                                                                                              | latch retraction                   | switch                                                    |
|                     | QEL     Quiet electric latch retraction       *LX     Latchbolt monitor switch                                               | Bolt retraction via                | <ul> <li>Signals use of an</li> </ul>                     |
|                     |                                                                                                                              | switch                             | opening                                                   |
|                     |                                                                                                                              | Converts exit                      | SPDT switch to                                            |
|                     | RX996L Trim monitor switch                                                                                                   | door to push-pull<br>operation     | monitor latch bol                                         |
|                     | RX         Pushpad monitor switch           RXLC         Pushpad monitor switch - low current                                | operation                          |                                                           |
|                     |                                                                                                                              | E (E996L)                          | CON                                                       |
|                     |                                                                                                                              |                                    |                                                           |
|                     | WP-RX Waterproof request to exit                                                                                             | Electrified<br>breakaway lever     | Allegion<br>Connectors                                    |
| Maabaalaal          | CON Allegion Connect                                                                                                         | Electrified remote                 | Common                                                    |
| Mechanical          | GBK Glass bead kit                                                                                                           | locking/unlocking                  | connectors to                                             |
| options             | LBL Less bottom latch PN Pneumatic latch retraction                                                                          | Standard in fail                   | connect various                                           |
|                     |                                                                                                                              | safe condition                     | door hardware al                                          |
|                     | SEC Security screws                                                                                                          |                                    | the way to the<br>power supply                            |
|                     | SG Safety glow                                                                                                               |                                    | power soppiy                                              |
|                     | SNB Sex bolts                                                                                                                | PN                                 |                                                           |
|                     | AX Accessible device (LBL only)                                                                                              | Pneumatic latch                    |                                                           |
| Dogging feature     | Hex key dogging standard                                                                                                     | retraction                         |                                                           |
| Dogging option      | CD Cylinder dogging                                                                                                          | For areas where                    |                                                           |
|                     | SD Special center case dogging                                                                                               | electrical devices                 |                                                           |
|                     | LD Less dogging                                                                                                              | banned                             | *For 98/9950WDC device                                    |
|                     | DI Dogging indicator                                                                                                         | Special linkage                    | switch monitors trim input                                |
|                     | CI Cylinder dogging indicator                                                                                                | for mechanical or                  | electric dogging of EL/QEL                                |
| Strikes             | Top - <b>249</b> – Unfinished, Bottom – <b>450</b> - Unfinished                                                              | pneumatic<br>dogging               | devices. LX switch does no<br>monitor latchbolt condition |

| Standard trim                            | Standard trim                       |                                          |                                          |                                                  |
|------------------------------------------|-------------------------------------|------------------------------------------|------------------------------------------|--------------------------------------------------|
|                                          | EO                                  | DT                                       | NL                                       | NL-OP                                            |
| _                                        | <b>No outside trim</b><br>Exit only | <b>Dummy trim</b><br>Pull when dogged    | Night latch<br>Key retracts latchbolt    | Key retracts latchbolt<br>optional pull required |
| Product description                      | 9850WDC-EO<br>9950WDC-EO            | 9850WDC-DT<br>9950WDC-DT                 | 9850WDC-NL<br>9950WDC-NL                 | 9850WDC-NL-OP<br>9950WDC-NL-OP                   |
| Trim description                         | -                                   | 990DT                                    | 990NL-R/V                                | 110NL-WD                                         |
| Escutcheon plate<br>size                 | -                                   | 3" x 14³⁄ı₅" x ³/₃₂"<br>(76x360x2mm)     | 3" x 14³/₅" x ³/₃₂"<br>(76x360x2mm)      | -                                                |
| Pull center to center                    | -                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)  | —                                                |
| Projection                               | -                                   | 2" (51mm)                                | 2" (51mm)                                | -                                                |
| ANSI function                            | 01                                  | 02                                       | 03                                       | 03                                               |
| Cylinder type                            | -                                   | -                                        | Rim                                      | Rim                                              |
| Handing                                  | -                                   | -                                        | -                                        | -                                                |
| Optional trim                            | x990EO<br>x996EO                    | x996K-DT<br>x996L-DT<br>x696DT<br>x697DT | x996K-NL<br>x996L-NL<br>x696NL<br>x697NL |                                                  |
| Optional #425 SNB<br>quantity for device | 6                                   | 2                                        | 2                                        | б                                                |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | Lever<br>Key locks & unlocks                                                                                          | Lever – night latch<br>Key retracts latchbolt                                                                         | Lever – blank escutcheon<br>Always operable (no cylinder)                                                             | Lever dummy trim<br>pull when dogged                                                                                  |
| Product description                      | 9850WDC-L<br>9950WDC-L                                                                                                | 9850WDC-L-NL<br>9950WDC-L-NL                                                                                          | 9850WDC-L-BE<br>9950WDC-L-BE                                                                                          | 9850WDC-L-DT<br>9950WDC-L-DT                                                                                          |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate<br>size                 | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | —                                                                                                                     | —                                                                                                                     | —                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /8" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | -                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

| Standard door opening height |                 |  |  |  |
|------------------------------|-----------------|--|--|--|
| Feet                         | Cable tolerance |  |  |  |
| 6'8" - 7'                    | 72" - 84"       |  |  |  |
| 7'1" - 8' 85" - 96"          |                 |  |  |  |
| 8'1" - 9' 97" - 108"         |                 |  |  |  |
| 9'1" - 10' 109" - 120"       |                 |  |  |  |
|                              |                 |  |  |  |



**Door opening height** is measured from finished floor to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

# 9850WDC-F/9950WDC-F Wood door concealed vertical cable fire device

Top latch

Center slide

Bottom latch

338 Filler plate (retrofit bracket)

150

450 Bottom strike

Top strike



**9850WDC-F/9950WDC-F Fire exit concealed vertical cable device** for use on pairs of doors up to 8' x 9' 3" (2438mm x 2819mm) double wood doors, UL listed for fire exit hardware. See page 76 for detailed information on UL listed fire exit hardware label and door opening size information. Devices are ANSI A156.3 – 2008 Grade 1. The 9850WDC-F device has a smooth mechanism case and the 9950WDC-F device has a grooved case. The concealed vertical cable device is non-handed except when the following device options are used: SS (signal switch). See opposite page for available outside trim and functions.

Scalp Plate – Device is furnished standard with an 15" (381 mm) long scalp plate for easy access to cables.

Note: Do not use on pair of doors with 9975 devices.

Finishes – US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

#### Specifications

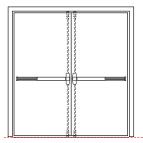
| Device functions                         | Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.                                                                                                                                                                                                                                                                                                                                                                                                            | CX                                                                                                                                                                                                                   | ALK                                                                                                                                                                                    |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device lengths                           | 2'       2' (610 mm) Door size         3'       2'4' to 3' (711mm to 914 mm) Door size         4'       2'10" to 4' (864 mm to 1219 mm) Door size                                                                                                                                                                                                                                                                                                                                                     | Chexit delayed<br>exit<br>• Meets NFPA 101<br>requirements<br>• Self-contained                                                                                                                                       | Alarm exit kit<br>• Unauthorized<br>opening triggers<br>85-decibel horn<br>• Set in armed or                                                                                           |
| Device centerline<br>from finished floor | 39⁵⁄₀" (1006 mm) Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | controls, locking,<br>alarm                                                                                                                                                                                          | disarmed mode<br>by key                                                                                                                                                                |
| Center case<br>dimensions                | 8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | EL                                                                                                                                                                                                                   | LX                                                                                                                                                                                     |
| Mechanism case<br>dimensions             | 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>1</sup> / <sub>4</sub> " (57mm x 57mm)                                                                                                                                                                                                                                                                                                                                                                                                                       | Electric latch                                                                                                                                                                                                       | Latchbolt monitor                                                                                                                                                                      |
| Projection                               | Pushbar neutral – $3^{13}/_{16}$ " (97 mm)<br>Pushbar depressed – $3^{1}/_{16}$ " (78 mm)                                                                                                                                                                                                                                                                                                                                                                                                             | • Enables remote     unlatching                                                                                                                                                                                      | <ul> <li>switch</li> <li>Signals use of an opening</li> </ul>                                                                                                                          |
| Latch bolt                               | Deadlocking top & bottom bolt, 1 1/2" (38mm) throw                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Alternative to     manual dogging                                                                                                                                                                                    | SPDT switch to     monitor latch bolt                                                                                                                                                  |
| Door undercut                            | ³/₄" (19mm) maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | manoat dogging                                                                                                                                                                                                       |                                                                                                                                                                                        |
| Top & bottom<br>Latch case               | 5 <sup>13</sup> /16" x 1 <sup>1</sup> /4" x 1 <sup>7</sup> /16" (147mm x 32mm x 37mm)                                                                                                                                                                                                                                                                                                                                                                                                                 | QEL                                                                                                                                                                                                                  | RX                                                                                                                                                                                     |
| Vertical cables                          | <sup>7</sup> / <sub>32</sub> " (6mm) Diameter stainless steel cables                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quiet electric                                                                                                                                                                                                       | Pushpad monitor                                                                                                                                                                        |
| Fasteners & sex<br>bolts (SNB)           | Includes screw pack for 1 <sup>3</sup> / <sub>4</sub> " (44mm) to 2 <sup>1</sup> / <sub>4</sub> " (57mm) thick wood doors.                                                                                                                                                                                                                                                                                                                                                                            | Bolt retraction via                                                                                                                                                                                                  | • Signals use of an                                                                                                                                                                    |
| Electric options                         | ALK       Alarm exit kit         CX       Chexit delayed exit         E       Electric unlocking and locking trim         EL       Electric latch retraction         HD-EL       Electric latch retraction w/ hex dogging         QEL       Quiet electric latch retraction         *LX       Latchbolt monitor switch         RX2       Double pushpad monitor switch         RX       Pushpad monitor switch         RXLC       Pushpad monitor switch - low current         SS       Signal switch | switch<br>• Converts exit<br>door to push-pull<br>operation<br><b>E (E996L)</b><br><b>Electrified</b><br><b>breakaway lever</b><br>• Electrified remote<br>locking/unlocking<br>• Standard in fail<br>safe condition | opening<br>• SPDT switch to<br>monitor pushpad<br>CON<br>Allegion<br>Connectors<br>• Common<br>connectors to<br>connect various<br>door hardware all<br>the way to the<br>power supply |
| Mechanical<br>options                    | WP-RX       Waterproof request to exit         CON       Allegion Connect         GBK       Glass bead kit         LBL       Less bottom latch         PN       Pneumatic latch retraction         SEC       Security screws         SG       Safety glow         SNB       Sex bolts         SLM       Special laminate material blocking         AX       Accessible device (LBL only)                                                                                                              | PN<br>Pneumatic latch<br>retraction<br>• For areas where<br>electrical devices<br>banned<br>• Special linkage<br>for mechanical or<br>pneumatic<br>dogging                                                           |                                                                                                                                                                                        |
| Dogging option<br>Strikes                | No mechanical dogging. EL and QEL option available<br>Top – <b>249</b> - Unfinished, Bottom – <b>450</b> - Unfinished                                                                                                                                                                                                                                                                                                                                                                                 | *For 98/9950 devices, LX sw                                                                                                                                                                                          |                                                                                                                                                                                        |
| uprin 98/99 Series                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | electric dogging of EL/QEL de<br>monitor latchbolt condition.                                                                                                                                                        | vices. LX switch does not                                                                                                                                                              |

| Standard trim                            |                                    |                                                                           |                                                      |                                                                          |
|------------------------------------------|------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------------|
|                                          | EO<br>No outside trim<br>Exit only | DT<br>Dummy trim<br>Pull when dogged<br>(not recommended for fire device) | NL<br>Night latch<br>Key retracts latchbolt          | NL-OP<br>Night latch<br>Key retracts latchbolt<br>optional pull required |
| Product description                      | 9850WDC-EO-F<br>9950WDC-EO-F       | _<br>_                                                                    | 9850WDC-NL-F<br>9950WDC-NL-F                         | 9850WDC-NL-OP-F<br>9950WDC-NL-OP-F                                       |
| Trim description                         | —                                  | 990DT                                                                     | 990NL-R/V                                            | 110NL-WD                                                                 |
| Escutcheon plate<br>size                 | -                                  | 3" x 14³⁄ı₅" x ³∕₃₂"<br>(76x360x2mm)                                      | 3" x 14³⁄ı₅" x ³∕₃₂"<br>(76x360x2mm)                 | -                                                                        |
| Pull center to center                    | -                                  | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)              | -                                                                        |
| Projection                               | -                                  | 2" (51mm)                                                                 | 2" (51mm)                                            | -                                                                        |
| ANSI function                            | 01                                 | 02                                                                        | 03                                                   | 03                                                                       |
| Cylinder type                            | -                                  | -                                                                         | Rim                                                  | Rim                                                                      |
| Handing                                  | -                                  | -                                                                         | -                                                    | -                                                                        |
| Optional trim                            | x990EO<br>x996EO                   | x996K-DT<br>x996L-DT<br>x996L-DT<br>x696DT<br>x697DT                      | x996K-NL<br>x996L-NL<br>x996L-NL<br>x696NL<br>x697NL |                                                                          |
| Optional #425 SNB<br>quantity for device | б                                  | 2                                                                         | 2                                                    | 6                                                                        |

|                                          | L                                                                                                                     | L-NL                                                                                                                  | L-BE                                                                                                                  | L-DT                                                                                                                  |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|                                          | <b>Lever</b><br>Key locks & unlocks                                                                                   | Lever – night latch<br>Key retracts latchbolt                                                                         | <b>Lever – blank escutcheon</b><br>Always operable (no cylinder)                                                      | Lever dummy trim<br>pull when dogged<br>(not recommended for fire device)                                             |
| Product description                      | 9850WDC-L-F<br>9950WDC-L-F                                                                                            | 9850WDC-L-NL-F<br>9950WDC-L-NL-F                                                                                      | 9850WDC-L-BE-F<br>9950WDC-L-BE-F                                                                                      |                                                                                                                       |
| Trim description                         | 996L-R/V*                                                                                                             | 996L-NL-R/V                                                                                                           | 996L-BE-R/V*                                                                                                          | 996L-DT                                                                                                               |
| Escutcheon plate size                    | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) | 2 <sup>3</sup> / <sub>4</sub> " x 10 <sup>3</sup> / <sub>4</sub> " x <sup>27</sup> / <sub>32</sub> "<br>(70x273x21mm) |
| Pull center to center                    | -                                                                                                                     | _                                                                                                                     | -                                                                                                                     | -                                                                                                                     |
| Projection                               | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             | 2 <sup>7</sup> /₀" (73mm)                                                                                             | 2 <sup>7</sup> /₃" (73mm)                                                                                             |
| ANSI function                            | 08                                                                                                                    | 03                                                                                                                    | 14                                                                                                                    | 02                                                                                                                    |
| Cylinder type                            | Rim                                                                                                                   | Rim                                                                                                                   | -                                                                                                                     | _                                                                                                                     |
| Handing                                  | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     | Handed/Reversible                                                                                                     |
| Optional #425 SNB<br>quantity for device | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     | 2                                                                                                                     |

\* Electrified lever operation available

| Standard door opening height |           |  |  |
|------------------------------|-----------|--|--|
| Feet Cable tolerance         |           |  |  |
| 6'8" - 7'                    | 72" - 84" |  |  |
| 7'1" - 8' 85" - 96"          |           |  |  |
| 8'1" - 9' 97" - 108"         |           |  |  |
| 9'1" - 10' 109" - 120"       |           |  |  |



**Door opening height** is measured from finished floor to frame rabbet on door side.

See table on left for standard offering.

Note: Non-standard sizes available with extended lead time. Consult Customer Care for more information 1-877-671-7011.

#### Knob, exit only and thumbpiece trim - 990 & 996K

|                                                            | K                                        | K-NL                                                   | K-BE                                                                   | K-DT                                             | EO                                       | TP                                          | TP-BE                                                   | EO              |
|------------------------------------------------------------|------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------|---------------------------------------------|---------------------------------------------------------|-----------------|
|                                                            | 0                                        | 0                                                      | 0                                                                      | 0                                                |                                          |                                             | Thumbpiece                                              |                 |
|                                                            | <b>Knob</b><br>Key locks & unlocks       | <b>Knob – night latch</b><br>Key retracts<br>latchbolt | <b>Knob – blank<br/>escutcheon</b><br>Always operable<br>(no cylinder) | <b>Knob – dummy<br/>trim</b><br>Pull when dogged | Exit only plate                          | <b>Thumbpiece</b><br>Key locks &<br>unlocks | blank<br>escutcheon<br>Always operable<br>(no cylinder) | Exit only plate |
| Trim<br>description                                        | 996K                                     | 996K-NL                                                | 996K-BE                                                                | 996K-DT                                          | 996EO                                    | 990TP                                       | 990TP-BE                                                | 990EO           |
| Escutcheon<br>plate size                                   | 2³/4" x 10³/4" x ²ァ/₃²"<br>(70x273x21mm) | 2³/4" x 10³/4" x 27/32"<br>(70x273x21mm)               | 2³/4" x 10³/4" x ²ァ/₃²"<br>(70x273x21mm)                               | 2³/4" x 10³/4" x ²ァ/₃²"<br>(70x273x21mm)         | 2³/4" x 10³/4" x ²7/₃2"<br>(70x273x21mm) |                                             | 3" x 14³/16" x ³/32"<br>(76x360x2mm)                    |                 |
| Pull center<br>to center                                   | _                                        | _                                                      | _                                                                      | _                                                | _                                        | 5¹/₂" (140mm)                               | 5¹/₂" (140mm)                                           | 5¹/₂" (140mm)   |
| Projection                                                 | 3¹/₄" (83mm)                             | 3¹/₄" (83mm)                                           | 3¹⁄₄" (83mm)                                                           | 3¼″ (83mm)                                       | _                                        | 2" (51mm)                                   | 2" (51mm)                                               | Z               |
| ANSI<br>function                                           | 08                                       | 09                                                     | 14                                                                     | 02                                               | 01                                       | 05                                          | 14                                                      | 14              |
| Cylinder<br>type                                           |                                          |                                                        |                                                                        |                                                  |                                          |                                             |                                                         |                 |
| Rim or<br>vertical rod<br>device                           | Rim                                      | Rim                                                    | _                                                                      | _                                                | _                                        | Rim                                         | _                                                       | _               |
| Mortise lock<br>device                                     | 1¹¼″ Mortise                             | 1¹¼″ Mortise                                           |                                                                        |                                                  | _                                        | 1¹∕₄" Mortise                               | _                                                       | _               |
| Handing                                                    | _                                        | _                                                      | _                                                                      | _                                                | _                                        | _                                           | _                                                       | _               |
| #425 SNB<br>optional-<br>HMD req.<br>WD w/o<br>SLM pkg.    | 2                                        | 2                                                      | 2                                                                      | 2                                                | 2                                        | 2                                           | 2                                                       | 2               |
| #825 SNB<br>req. WD w/o<br>SLM pkg F<br>Rim device<br>ONLY | 2                                        | 2                                                      | 2                                                                      | 2                                                | 2                                        | 2                                           | 2                                                       | 2               |
| #425 SNB<br>req. w/499F                                    | 2                                        | 2                                                      | 2                                                                      | 2                                                | 2                                        | 2                                           | 2                                                       | 2               |

#### Optional trims – 696

|                                                   | DT                                                                 | NL                                           | TP                                      | TP-BE                                                             |
|---------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|-----------------------------------------|-------------------------------------------------------------------|
|                                                   | Dummy trim<br>Pull when dogged<br>(not recomended for fire device) | <b>Night latch</b><br>Key retracts latchbolt | Thumbpiece<br>Key locks & unlocks       | Thumbpiece – blank<br>escutcheon<br>Always operable (no cylinder) |
| Trim description                                  | 696DT                                                              | 696NL                                        | 696TP                                   | 696TP-BE                                                          |
| Escutcheon plate size                             | 2³/4" x 10³/4" x ²ァ/₃²"<br>(70x273x21mm)                           | 2³/4" x 10³/4" x ²ァ/₃²"<br>(70x273x21mm)     | l⁵∕₅" x l3¹⁄₂" x ³⁄₁₅"<br>(4lx343x5mm)  | l⁵⁄₅" x l3¹⁄₂" x ³∕₁₅"<br>(4lx343x5mm)                            |
| Pull center to center                             | 5 <sup>1</sup> /2" (140mm)                                         | 5 <sup>1</sup> /2" (140mm)                   | 5 <sup>1</sup> /2" (140mm)              | 5¹/₂" (140mm)                                                     |
| Projection                                        | 2 <sup>1</sup> / <sub>6</sub> " (52mm)                             | 2 <sup>1</sup> / <sub>6</sub> " (52mm)       | 2 <sup>1</sup> /6" (52mm)               | 2 ¼₅" (52mm)                                                      |
| ANSI function                                     | 02                                                                 | 03                                           | 05                                      | 15                                                                |
| Cylinder type                                     | -                                                                  |                                              |                                         |                                                                   |
| Rim or vertical<br>rod device                     | _                                                                  | Rim                                          | Rim                                     | _                                                                 |
| Mortise lock device                               | -                                                                  | 1 <sup>1</sup> / <sub>4</sub> " Mortise      | 1 <sup>1</sup> / <sub>4</sub> " Mortise | -                                                                 |
| Handing                                           | _                                                                  | -                                            | -                                       | -                                                                 |
| #425 SNB optional-HMD req.<br>WD w/o SLM pkg.     | 2                                                                  | 2                                            | 2                                       | 2                                                                 |
| #825 SNB req. WD w/o SLM<br>pkg F Rim device ONLY | 2                                                                  | 2                                            | 2                                       | 2                                                                 |
| #425 SNB req. w/499F                              | 2                                                                  | 2                                            | 2                                       | 2                                                                 |

#### Optional trims – 697

|                                                   | DT<br>Dummy trim<br>Pull when dogged<br>(not recomended for fire device) | NL<br>(3)<br>Night latch<br>Key retracts latchbolt | TP<br>(3/4"<br>diameter<br>pull) (19mm)<br>Thumbpiece<br>Key locks & unlocks | TP-BE<br>(3/4"<br>diameter<br>pull) (19mm)<br>Thumbpiece –<br>blank escutcheon<br>Always operable (no cylinder) |
|---------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Trim description                                  | 697DT                                                                    | 697NL                                              | 697TP                                                                        | 697TP-BE                                                                                                        |
| Escutcheon plate size                             | 2³/₄" x 10³/₄" x ²ァ/₃₂"<br>(70x273x21mm)                                 | 2³/4" x 10³/4" x ²ァ/₃²"<br>(70x273x21mm)           | l⁵∕₅" x l3¹⁄₂" x ³∕₅"<br>(4lx343x5mm)                                        | 2³/4" x 10³/4" x ²ァ/ <sub>32</sub> "<br>(70x273x21mm)                                                           |
| Pull center to center                             | 5¼²" (140mm)                                                             | 5 <sup>1</sup> / <sub>2</sub> " (140mm)            | 5 <sup>1</sup> /2" (140mm)                                                   | 5 <sup>1</sup> / <sub>2</sub> " (140mm)                                                                         |
| Projection                                        | 3" (76mm)                                                                | 3" (76mm)                                          | 3" (76mm)                                                                    | 3" (76mm)                                                                                                       |
| ANSI function                                     | 02                                                                       | 03                                                 | 05                                                                           | 15                                                                                                              |
| Cylinder type<br>Rim or vertical<br>rod device    | _                                                                        | Rim                                                | Rim                                                                          | _                                                                                                               |
| Mortise lock device                               | _                                                                        | 1 <sup>1</sup> /4" Mortise                         | 11/4" Mortise                                                                | _                                                                                                               |
| Handing                                           | _                                                                        | _                                                  | _                                                                            | _                                                                                                               |
| #425 SNB optional-HMD req.<br>WD w/o SLM pkg.     | 2                                                                        | 2                                                  | 2                                                                            | 2                                                                                                               |
| #825 SNB req. WD w/o SLM<br>pkg F Rim device ONLY | 2                                                                        | 2                                                  | 2                                                                            | 2                                                                                                               |
| #425 SNB req. w/499F                              | 2                                                                        | 2                                                  | 2                                                                            | 2                                                                                                               |

#### HL6 Hospital pull



Von Duprin and Glynn-Johnson have collaborated on an exit device trim that answers the problem of accessibility and performance. Using the Von Duprin 98/9975 mortise lock exit device along with the Glynn-Johnson HL6 push/pull latch, Allegion has created an exit device with mortise lock durability that utilizes a fully ADA compliant Pull paddle trim. The 98/9975HL device is available in all standard architectural finishes. Consult the Glynn-Johnson catalog for complete product information.

#### 392-7 Offset pull



The 392-7 Offset pull is  ${}^{3}/_{44}$ " round stainless steel, with a 7" center to center which matches the 98/99 center case. Often used with a night latch operation. 3  ${}^{1}/_{2}$ " (89mm) offset with 1  ${}^{1}/_{22}$ " (38mm) clearance.

#### Vandal resistant trim: IVES VR910 & VR914 Series

VR910 grip coated in black plastisol for softer touch and resilience to temperature extremes. Grip designed for comfortable operation. VR914 grip in all stainless steel.

#### Features:

- Stainless steel construction, 11 gauge (0.120" thick)
- Finish: US32D, only
- Thru-bolts and rugged mounting screws for maximum fastening strength.
- Built-in lock protector prevents vandalism to mortise latchbolt (available on certain models).
- Extra-tough stainless steel cylinder collar prevents pipe wrench or similar tool from damaging cylinder. Tapered design prevents side impacts from transferring directly to cylinder. Collar spins freely.
- Furnished with mounting screws for door thicknesses of 13/4" to 21/4"

| Model                                     | For use with                     | Size                               |
|-------------------------------------------|----------------------------------|------------------------------------|
| VR910DT & VR914DT                         | 98/99 Rim or vertical rod device | 5½" (133mm) w<br>x 11" (279mm) h   |
| VR910NL & VR914NL                         | 98/99 Rim or vertical rod device | 5½" (133mm) w<br>x 11" (279mm) h   |
| VR910M-DT & VR914M-DT                     | 9875/9975<br>Mortise device      | 7¹/₄" (184mm) w<br>x 11" (279mm) h |
| VR910M-NL & VR914M-NL<br>Handing required | 9875/9975<br>Mortise device      | 7¹/₄" (184mm) w<br>x 11" (279mm) h |

- Meets ANSI/BHMA 156.13, Trim security test and California State Accessibility Standards Title 24.
- 1<sup>1</sup>/<sub>2</sub>" (38mm) clearence from grip to door, total projection 1<sup>7</sup>/<sub>8</sub>" (48mm)
- Consult the IVES catalog for complete product information.



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# Schlage AD-Series

#### **AD-Series adaptable electronic locks**

The AD-Series was designed to be the right choice for today, and is ready to adapt to whatever the future holds.

There are a variety of options that allow you to select the AD-Series electronic lock that's right for you, and a wide selection of features that can be configured in the field to further customize each opening. When your needs change in the future, the innovative modular design of the AD-Series allows you to easily upgrade the credential reader or networking option, and adapt to emerging technologies using your existing



chassis – all without taking the lock off the door. This means that you can be confident that your choice of the AD-Series is right for today, and that your investment will be protected into the future.

#### **Credential reader options**

AD-Series electronic locks are compatible with many different brands and technologies of credentials.



- + KEYPAD
  - (swipe) + KEYPAD

Keypad

#### **Communications options**

#### Networked

In facilities where increased monitoring and control are needed, a networked solution is essential. The AD-Series networked options feature:

- Open architecture platform
- Acceptable reader technology
- Real-time monitoring

The AD-Series networked lock is available in either a wireless or hardwired configuration to fit your application needs.

AD-300 Networked hardwired locks AD-301 Networked hardwired FIPS 201-1 compliant locks AD-400 Networked wireless locks AD-401 Networked wireless FIPS 201-1 compliant locks

#### Standalone

Standalone locks are a cost-effective solution for doors that do not require real-time monitoring. The AD-Series standalone solution provides:

- Upgradability
- Improved credential management
- Audit trail reports

Schlage offers two AD-Series standalone solutions to fit your environment:

AD-200 Access rights are stored on the lock

AD-250 Access rights are stored on the magnetic stripe credential

#### Chassis

- Cylindrical
- Mortise
  - Mortise deadbolt
  - Exit trim\*

#### Locking functions

- Classroom/Storeroom
- Office
- Privacy
- Apartment

#### Lever styles



#### Warm Tone Finishes



Bright brass



Satin bronze



643e Aged bronze

#### **Cool Tone Finishes**







Satin chrome

with antimicrobial

619 Satin nickel

Certifications

- ANSI/BMHA A156.25
- ANSI/BHMA Grade 1
  - UL 294 Listed
- UL 10C
- **Complete your system**

Complete your AD-Series system with readers and credentials, biometric hand geometry readers, system components, HHD programming device and other wireless accessories.

\*See AD-Series exit trim compatibility Datasheet for complete list of compatability by manufacturer.

56 · Von Duprin 98/99 Series

606

Satin brass

625 Bright chrome

- ADA FCC part 15
  - RoHS
  - FIPS 201-1 (AD-301 and AD-401)
- 626 Satin chrome



# Schlage CO-Series

#### **CO-Series electronic locks from Schlage**

In the world of standalone electronic locks, nothing compares to

the CO-Series from Schlage. And because CO-Series locks offer a wide variety of options, it's easy to find the right solution for any facility. For openings with a relatively small number of users, we recommend the CO-100. It's an offline keypad programmable lock. For larger applications try the CO-200 or CO-250. They're computer programmable locks that can provide audit trails. They also offer dual credential options (card+PIN) that provide an even greater level of



-

security.

#### Compatible

The CO-Series was designed to easily integrate into your facility. It can work in conjunction with Schlage and Locknetics electronic locks and offers expanded cylinder, exit device, and credential compatibility.

#### Exit device compatibility\*

|                                | Rim | SVR | CVR/CVC | Mortise |
|--------------------------------|-----|-----|---------|---------|
| Von Duprin 98/99 &<br>98/99 XP | ~   | ~   | v       | ٢       |
| Von Duprin 22/22F              | V   | V   |         |         |
| Falcon 25                      | ~   |     |         |         |

\*See AD-Series Exit trim compatibility datasheet for complete list of compatability by manufacturer.

#### Cylinder compatibility

|                                            | <b>Full size</b><br>key-in-lever<br>6 pin | <b>Full size</b><br>key-in-lever<br>7 pin | <b>FSIC</b><br>6 & 7 pin | <b>SFIC</b><br>6 & 7 pin |
|--------------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------|--------------------------|
| Schlage                                    | •                                         |                                           | •                        | •                        |
| Falcon                                     | <b>▲</b>                                  | *                                         |                          |                          |
| Sargent®<br>(10L + 11L full size)          | <b>A</b>                                  |                                           | <b></b>                  |                          |
| Corbin Russwin <sup>®</sup>                |                                           |                                           | <b>A</b>                 | <b>A</b>                 |
| Yale® (includes<br>Medeco 31*0100<br>FSIC) |                                           |                                           | <b>▲</b>                 | <b>▲</b>                 |
| Best®                                      |                                           |                                           |                          | <b>A</b>                 |

with cylinder or less cylinder options

- less cylinder only
- less cylinder, only with Sparta and Rhodes levers

Note: See price book for specific configurations

#### **Credential compatibility**

The CO-Series is compatible with many different brands and credential technologies.

For customers with an installed base of iButtons®, a combo proximity keyfob with iButton option is available to make an easy transition to proximity technology.

#### Class CO-100

- Manually programmable User rights stored on the lock
- Keypad only

#### CO-200 (shown)

- Computer or manually programmable
- User rights stored on the lock

#### CO-250

Computer programmable. User rights stored on the card

#### Readers

- Keypad
- Magnetic stripe (swipe) ÷
- Proximity .
- Magnetic stripe plus keypad (swipe)
- Proximity plus keypad

#### Lever styles



#### Chassis

- Cylindrical
- Mortise
- Mortise deadbolt
- Exit Trim

#### **Power**

4 standard off the shelf (AA) batteries

#### **Functions**

- Classroom/storeroom
- Privacy
- Office

#### Warm tone finishes



Bright brass



Satin brass



Aged bronze

Satin bronze

#### **Cool tone finishes**





Satin chrome



625 Satin nickel Bright chrome

626AM Satin chrome with antimicrobial

#### Reliable

619

When it comes to securing your facility, you can't afford to take chances. CO-Series locks are tested to the highest quality and reliability standards in the industry, including:

626

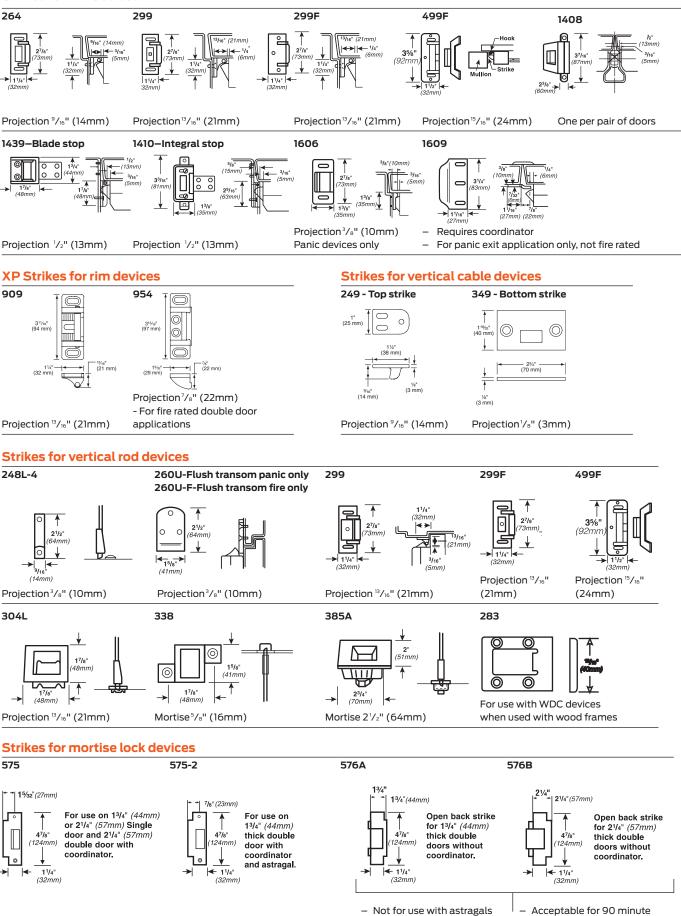
- NSI/BHMA A156.25 & ANSI/BHMA Grade 1
- UL 294
- **UL 10C**
- ADA

# 98/99 Strike/Stile information

| Device type Standard single door     |                            | Standard<br>double do                      |                                           |                                            |                                            | Optional<br>single door                                         |               | Optional<br>double door           |                                   |                                            |                                            |                                            |
|--------------------------------------|----------------------------|--------------------------------------------|-------------------------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------------------------------------|---------------|-----------------------------------|-----------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------|
|                                      | Single door                | Strike                                     |                                           |                                            |                                            |                                                                 | Single do     |                                   |                                   |                                            |                                            |                                            |
|                                      | Strike                     | Trim/Stile                                 |                                           | w/<br>mullion*                             | Trim/Stile                                 |                                                                 | Strike        | Trim/stile                        |                                   | Strike<br>w/mullion*                       | Trim/Stile                                 | -                                          |
|                                      | Stike                      | 990/996                                    | 696/697                                   | mottion                                    | 990/996                                    | 696/697                                                         | Stike         | 990/996                           | 1                                 | Winottion                                  |                                            | 696/697                                    |
|                                      |                            |                                            |                                           |                                            |                                            |                                                                 |               |                                   |                                   |                                            | 4 <sup>7</sup> /16 <sup>11</sup>           | 4 <sup>1</sup> /4 <sup>11</sup>            |
| 98/99                                | 299                        |                                            |                                           |                                            |                                            |                                                                 | 1439 or       | 3 <sup>13</sup> / <sub>16</sub> " | 3 <sup>13</sup> / <sub>16</sub> " | 299 x 5654                                 | (113mm)                                    | (108mm)                                    |
|                                      |                            | 4 <sup>1</sup> / <sub>2</sub> "            | 4 <sup>3</sup> / <sub>8</sub> "           | 299 x<br>4954                              | 4 <sup>7</sup> /8"                         | 4 <sup>3</sup> /4"                                              | 1410          | (97mm)                            | (97mm)                            | 1408 x 5754                                | 3 <sup>13</sup> /16"<br>(97mm)             | 3¹³∕₁₅"<br>(97mm)                          |
|                                      |                            | (114mm)                                    | (111mm)                                   |                                            | (124mm)                                    | (121mm)                                                         | 1606          | 4 <sup>1</sup> /16"<br>(103mm)    | 3 <sup>15</sup> /16"<br>(100mm)   | 1606 x 1654                                | 4³/₀"<br>(112mm)                           | 4 <sup>1</sup> / <sub>4</sub> "<br>(108mm) |
| XP 98/99                             | 909                        | -                                          |                                           | 909 x                                      |                                            |                                                                 | _             | _                                 | _                                 | _                                          | _                                          | _                                          |
| 98-F/99-F                            | 299F                       |                                            |                                           | 4954-XP<br>499F x                          |                                            |                                                                 |               |                                   |                                   | 499F x 9854                                |                                            |                                            |
|                                      |                            | 4 <sup>1</sup> / <sub>2</sub> "<br>(114mm) | 4³/₀"<br>(111mm)                          | 9954<br>954 x                              | 4 <sup>7</sup> /₀"<br>(124mm)              | 4³/₄"<br>(121mm)                                                |               |                                   |                                   | KR9954                                     |                                            |                                            |
| XP98-F/XP99-F                        | 909                        | 4 <sup>3</sup> / <sub>4</sub> "            | 43/4"                                     | 9954-XP                                    |                                            |                                                                 | -             | -                                 | -                                 | -                                          | -<br>4 <sup>3</sup> / <sub>4</sub> "       | -<br>4 <sup>3</sup> /4"                    |
| 9875<br>9975                         | 575                        | (121mm)                                    | (121mm)                                   | 575-2                                      | -                                          | -                                                               | -             |                                   | -                                 | 576A-576B                                  | (121mm)                                    | (121mm)                                    |
| 9875-F<br>9975-F                     | 575                        | 4³/4"<br>(121mm)                           | 4³/₄"<br>(121mm)                          | 575-2                                      | -                                          | -                                                               | -             | _                                 | -                                 | 576A-576B                                  | 4³/₄"<br>(121mm)                           | 4³/₄"<br>(121mm)                           |
|                                      | 200 (7)                    |                                            |                                           |                                            |                                            |                                                                 | 1439 or       | 313/16"                           | 313/16"                           | 299 x 5654                                 | 4 <sup>7</sup> /16"<br>(113mm)             | 4 <sup>1</sup> / <sub>4</sub> "<br>(108mm) |
| 9857                                 | 299 (Top)<br>299 (Middle)  | 4 <sup>1</sup> / <sub>2</sub> "            | 4 <sup>3</sup> /8"                        | 299 x                                      | 4 <sup>7</sup> /8"                         | 43/4"                                                           | 1410          | (97mm)                            | (97mm)                            | 1408 x 5754                                | 313/16"                                    | 313/16"                                    |
| 9957                                 | 304L/284-L<br>(Bottom)     | (114mm)                                    | (111mm)                                   | 4954                                       | (124mm)                                    | (121mm)                                                         | 1606          | 4 <sup>1</sup> / <sub>16</sub> "  | 315/16"                           |                                            | (97mm)<br>4³/8"                            | (97mm)<br>4 <sup>1</sup> /4"               |
|                                      |                            |                                            |                                           | 299F                                       |                                            |                                                                 | 1606          | (103mm)                           | (100mm)                           | 1606 x 1654                                | (112mm)                                    | (108mm)                                    |
| 9857-F<br>9957-F                     | 299 (Top)<br>299F (Middle) | 4 <sup>1</sup> / <sub>2</sub> "<br>(114mm) | 4³/8"<br>(111mm)                          | 499F x<br>9954                             | 4 <sup>7</sup> /₀"<br>(124mm)              | 4³/₄"<br>(121mm)                                                | _             | _                                 | _                                 | _                                          | _                                          | _                                          |
| 9937-F                               | 304L (Bottom)              | <u> </u>                                   |                                           | 304L                                       | <u> </u>                                   |                                                                 |               |                                   |                                   |                                            |                                            |                                            |
|                                      | Strike                     | Applicatio                                 | n                                         |                                            | Trim/Stile                                 | 696/697                                                         | Optional      | strike                            |                                   | Application                                | Trim/Stile<br>990/996                      | 1                                          |
| 9827<br>9927                         | 299 (Top)<br>304L/248-L-4  | Single doo                                 |                                           |                                            | 311/16"                                    | 35/8"                                                           | 260U (To      | p)                                |                                   | Single door                                | 311/16"                                    | 3⁵∕₀"                                      |
| Latch retraction                     | (Bottom)                   |                                            | 1                                         |                                            | (94mm)                                     | (92mm)                                                          | 385A (Bo      | ttom)                             |                                   | Single 0001                                | (94mm)                                     | (92mm)                                     |
| PL9827/PL9927<br>Pullman latch       | 299 (Top)<br>304L/248-L-4  |                                            |                                           |                                            | 311/16"                                    | 35/8"                                                           |               |                                   |                                   | Two vertical                               | 311/16"                                    | 35/8"                                      |
| 9827-F                               | (Bottom)<br>299 (Top)      | Two vertic                                 | al rod devic                              | es                                         | (94mm)                                     | (92mm)                                                          | 260U (St      | ainless)                          | -                                 | rod devices                                | (94mm)                                     | (92mm)                                     |
| 9927-F                               | 304L (Bottom)              | _                                          |                                           |                                            |                                            |                                                                 | 385A (Bottom) |                                   |                                   |                                            |                                            |                                            |
| 9847<br>9947                         | 338 (Top)                  | Vertical ro                                |                                           |                                            | 4 <sup>3</sup> / <sub>4</sub> "            | 43/4"                                                           | 304L (Bottom) |                                   | Vertical rod<br>with              | 43/4"                                      | 4 <sup>3</sup> / <sub>4</sub> "            |                                            |
| 9848<br>9948                         | 385A (Bottom)              | Mortise loo                                | ck device                                 |                                            | (121mm)                                    | (121mm)                                                         |               |                                   |                                   | Mortise lock<br>device                     | (121mm)                                    | (121mm)                                    |
| 9847-F                               |                            | Two vertical rods                          |                                           | 4 <sup>1</sup> / <sub>4</sub> "<br>(108mm) | 4¹/₅"<br>(105mm)                           |                                                                 |               | Two vertical rods                 | 4 <sup>1</sup> /4"<br>(108mm)     | 4 <sup>1</sup> / <sub>8</sub> "<br>(105mm) |                                            |                                            |
| 9947-F<br>9848-F                     | 338 (Top)<br>385A (Bottom) |                                            |                                           |                                            | 43/4"                                      | 43/4"                                                           |               | 04L (Bottom)                      |                                   | Vertical rod<br>with                       | 43/4"                                      | 43/4"                                      |
| 9948-F                               | SOSA (Bottom)              |                                            | /ertical rod with<br>⁄lortise lock device |                                            | (121mm)                                    | (121mm)                                                         |               |                                   |                                   | Mortise lock<br>device                     | (121mm)                                    | (121mm)                                    |
|                                      |                            | Single doo                                 | r                                         |                                            | 4 <sup>1</sup> / <sub>4</sub> "            | 4 <sup>1</sup> /4 <sup>11</sup>                                 |               | 1                                 |                                   | Single door                                | 41/4 <sup>11</sup>                         | 4 <sup>1</sup> /4 <sup>11</sup>            |
|                                      |                            | -                                          |                                           |                                            | (108mm)<br>4 <sup>1</sup> / <sub>4</sub> " | (108mm)<br>4 <sup>1</sup> / <sub>4</sub> "                      | -             |                                   |                                   | Two vertical                               |                                            | (108mm)<br>4 <sup>1</sup> / <sub>4</sub> " |
| 9847WDC<br>9947WDC                   | 338 (Top)<br>385A (Bottom) | Two vertical rod devices                   |                                           | (108mm)                                    | (108mm)                                    | 304L                                                            |               |                                   | rod devices                       |                                            | (108mm)                                    |                                            |
| 5547100                              |                            |                                            |                                           |                                            | 4 <sup>3</sup> / <sub>4</sub> "            | 4 <sup>3</sup> / <sub>4</sub> " 4 <sup>3</sup> / <sub>4</sub> " |               |                                   | Vertical rod<br>with              | 4 <sup>3</sup> /4"                         | 4³/4"                                      |                                            |
|                                      |                            | Mortise loo                                | ck device                                 |                                            | (121mm)                                    | (121mm)                                                         |               |                                   |                                   | Mortise lock<br>device                     | (121mm)                                    | (121mm)                                    |
| 9847WDC-F<br>9947WDC-F               | 338 (Top)<br>385A (Bottom) | Two vertic                                 | al rod device                             | es                                         | 4 <sup>1</sup> /4"<br>(108mm)              | 4 <sup>1</sup> / <sub>4</sub> "<br>(108mm)                      | 304L          |                                   | Two vertical rod devices          | 4 <sup>1</sup> / <sub>4</sub> "<br>(108mm) | 4 <sup>1</sup> / <sub>4</sub> "<br>(108mm) |                                            |
| 9849                                 |                            | -                                          |                                           |                                            |                                            |                                                                 |               |                                   |                                   | Vertical                                   |                                            |                                            |
| 9949<br>9849                         | 249 (Top)<br>349 (Bottom)  | Vertical ca<br>Mortise loo                 |                                           |                                            | 4³/4"<br>(121mm)                           | 4³/4"<br>(121mm)                                                | -             |                                   |                                   | cable with<br>Mortise lock                 | 4³/₄"<br>(121mm)                           | 4³/₄"<br>(121mm)                           |
| 9949                                 |                            |                                            |                                           |                                            | 41/4"                                      | 4 <sup>1</sup> /4 <sup>11</sup>                                 |               |                                   |                                   | device<br>Two vertical                     | 4 <sup>1</sup> / <sub>4</sub> "            | 4 <sup>1</sup> / <sub>8</sub> "            |
| 9849-F<br>9949-F<br>9849-F<br>9849-F | 249 (Top)                  | Two vertic                                 | al cables                                 |                                            | (108mm)                                    | (108mm)                                                         |               |                                   |                                   | cable                                      | (108mm)                                    |                                            |
|                                      | 249 (Top)<br>349 (Bottom)  | Vertical ca                                |                                           |                                            | 4 <sup>3</sup> / <sub>4</sub> "            | 4 <sup>3</sup> /4 <sup>11</sup>                                 |               | -                                 |                                   | Vertical cable with                        | 43/4"                                      | 4 <sup>3</sup> / <sub>4</sub> "            |
| 9949-F                               |                            | Mortise loo                                | ck device                                 |                                            | (121mm)                                    | (121mm)                                                         |               |                                   |                                   | Mortise lock<br>device                     | (121mm)                                    | (121mm)                                    |
|                                      |                            | Single doo                                 | r –                                       |                                            | 4 <sup>1</sup> / <sub>4</sub> "            | 4 <sup>1</sup> / <sub>4</sub> "                                 |               |                                   |                                   | Single door                                | 4 <sup>1</sup> /4"<br>(108mm)              | 4 <sup>1</sup> /4"<br>(108mm)              |
|                                      |                            |                                            |                                           |                                            | (108mm)                                    | (108mm)<br>4 <sup>1</sup> / <sub>4</sub> "                      |               |                                   |                                   | Two vertical                               | 41/4"                                      | 41/4"                                      |
| 9850WDC<br>9950WDC                   | 150 (Top)<br>450 (Bottom)  | Two vertical cable devices                 |                                           | 4 <sup>1</sup> /4"<br>(108mm)              | (108mm)                                    | _                                                               | _             |                                   | Cable<br>devices                  | (108mm)                                    | (108mm)                                    |                                            |
|                                      |                            | Vertical ca                                | Vertical cable with                       |                                            | 41/4"                                      | 4 <sup>1</sup> /4 <sup>11</sup>                                 |               |                                   | Vertical<br>cable with            | 4 <sup>3</sup> /4"                         | 4 <sup>3</sup> /4"                         |                                            |
|                                      |                            | Mortise loo                                |                                           |                                            | (108mm)                                    | (108mm)                                                         |               |                                   |                                   | Mortise lock<br>device                     |                                            | (121mm)                                    |
| 9850WDC-F                            | 150 (Top)                  | Two vertic                                 | al cable dev                              | ires                                       | 4 <sup>1</sup> / <sub>4</sub> "            | 4 <sup>1</sup> /4 <sup>11</sup>                                 |               |                                   |                                   | Two Vertical<br>Cable                      | 4 <sup>1</sup> / <sub>4</sub> "            | 4 <sup>1</sup> / <sub>4</sub> "            |
| 9950WDC-F                            | 450 (Bottom)               |                                            |                                           | 1003                                       | (108mm)                                    | (108mm)                                                         |               |                                   |                                   | Devices                                    | (108mm)                                    | (108mm)                                    |

# 98/99 Strike information

#### **Strikes for rim devices**



For use on wood doors,

contact door manufacturer

pair of hollow metal doors

Von Duprin 98/99 Series • 59

# 98/99 Dogging options

#### **CDSI/HDSI dogging indicators**



Indicator provides an at-a-glance verification of the status of the door from inside of the room. Visible "LOCKED" and "UNLOCKED" indicators show whether the device is undogged or dogged. This feature can be used with Hex key (HDSI) or Cylinder dogging (CDSI) options

on various device types - rim, mortise and vertical systems.

- Modular conversion kits allow you to quickly and easily upgrade your existing devices
- Available for 98/99 & 33A/35A Series panic devices

#### To order, specify:

• Use prefix, CDSI or HDSI, example CDSI99L

#### **CD** Cylinder dogging

| 6 |  |
|---|--|
|   |  |
|   |  |

Cylinder dogging is available on all 98/99<sup>™</sup> Panic exit devices to replace the standard hex key dogging. Unit requires a standard 1¼″ (32mm) mortise cylinder with an inverted straight cam (Schlage Cam L583-475 reference).

#### To order, specify:

Use prefix, CD, example CD99L

#### CDK Cylinder dogging kit\*

For field conversion, a cylinder dogging conversion kit is available.

To order, specify: 99CDK or 98CDK, specify finish.

\*Cannot be added to fire exit hardware.

#### HDK Hex key dogging kit\*



For field conversion, a hex key dogging conversion kit is available.

To order, specify: 99HDK or 98HDK, specify finish.

\*Cannot be added to fire exit hardware.

#### LD Less dogging

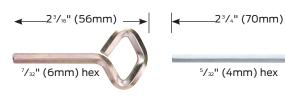
Less dogging is available in all  $98/99^{\rm m}$  Panic exit devices to remove the dogging option.

To order, specify: Use prefix LD, example LD99L

#### Dog keys

Dog key (old style)

Dog key (standard)



#### -2SI Double cylinder with security indicator



The Von Duprin Classroom Security Indicator provides an at-a-glance verification of the locked/unlocked status of the door from inside of the room. This option can be ordered as a new product or as a retrofit conversion kit to an existing 98/99 device. Indicator in Unlocked state presents a  $\frac{1}{2}$ " x  $\frac{1}{2}$ " metal flag (white background with black icon) at top of device head. Indicator in Locked state has no flag present.

#### To order, specify:

1. Suffix-2SI with device/trim number, example 99L-2SI.

- 2. Handing required, LHR or RHR.
- 3. \*Specify keyed rim cylinder ot thumbturn rim cylinder.

\* Rim cylinder (3216) sold seperately. Rim cylinder with thumbturn available from Schlage (part #XB11-979).

#### SD Special center case dogging



Special cylinder dogging in the center case is available for Chexit, EL, QEL, ALK panic devices to allow for mechanical push/pull operation. With this option, the latchbolt is held retracted and pushbar is still operable. Specify handing—RHR or LHR.

SD requires 1<sup>1</sup>/<sub>4</sub>" (32mm) mortise cylinder with an inverted straight cam. (Schlage cam reference 20-001-XQ11-949.)

Note: Available on Rim and Vertical Rod Panic Exit Devices only.

#### To order, specify:

- Use prefix SD, example SD99L and Handing
- Not for 98/9975 Devices

#### **Double cylinder**



Double cylinder features an inside key cylinder which locks or unlocks the outside trim and an outside key cylinder which retracts the latch bolt only (Night latch function). Available on rim or mortise lock device.

Rim requires two rim type cylinders. Mortise device requires 1 rim cylinder and 1 mortise cylinder  $1^{1}/_{4}^{"}$  with a straight cam. (Schlage cam reference L583-475.)

Available functions are thumbpiece, knob or lever.

#### To order, specify:

- 1. Suffix-2 with device/trim number, example 99TP-2.
- 2. Handing required, LHR or RHR.

#### **RX Request to exit**

The RX (2xit) feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the pushpad.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The RX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resisitive maximum).

The RX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

#### To order, specify:

- Standard use prefix RX, example RX99EO
- Low Current use prefix RX-LC, example RX-LC98EO

#### **RX2** Double request to exit

The RX2 feature uses two RX switches.

#### To order, specify:

Standard – Use prefix RX2, example RX299EO

#### WP-RX Waterproof request to exit

#### LX Latchbolt monitoring



The LX feature is used to signal the use of an opening. This device is equipped with one internal SPDT switch which monitors the latch bolt.

The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

The LX switch option should not be used to control a load, but as a signalling switch (0.5 amps. resistive maximum).

The LX switch is available in a low current (LC) switch. Most commonly used in computer operated monitoring systems.

#### To order, specify:

- Standard Use prefix LX, example LX99EO
- Low Current Use prefix LX-LC, example LX-LC98EO

#### Electrical rating for all switches:

- Standard 2 Amp maximum @ 24VDC
- Low Current (LC) below 50 Milliamps @ 24VDC

Note: All switches can be either factory or field installed



#### SS Signal switch

#### Monitors pushpad and latch bolt

The SS feature is used to signal the unauthorized use of an opening. This device is equipped with two internal SPDT switches. One switch monitors both the pushpad and the latch bolt assembly, making the latch bolt tamper resistant, for positive security. An additional SPDT switch is connected to the 1¼" (32mm) mortise cylinder with straight cam for alarm "bypass." (Schlage cam reference L583-475). The device can be connected to a security console, or may be used as a single door alarm when used with a horn and power supply.

Pushpad reads: "Emergency Exit ONLY – Push To Open And Sound Alarm." Pushpad is only available in US32D finish with red silk-screened lettering.

The SS mortise lock device is furnished with both the signal switch device and the SS7500 mortise lock. The SS7500 mortise lock has the versatility and advantages of the 7500 lock with the addition of signalling functions to monitor latch bolt operation and the trim locking function. The SS7500 mortise lock is supplied standard with the SS mortise lock device.

#### To order, specify:

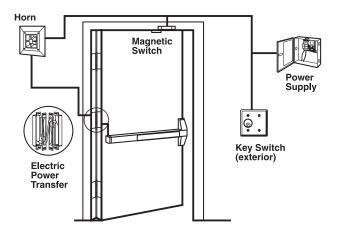
- 1. Prefix SS, example SS99L.
- 2. Handing required, LHR or RHR.

#### **Electrical ratings:**

Up to 2.0 AMPS @ 24VDC

#### **Popular SS application**

Unauthorized use of this opening will activate the local horn. The key switch permits inhibiting this system for authorized entry.



# 98/99 Chexit device





The Von Duprin Chexit device is designed for controlled egress applications. It meets both life safety and security needs, as well as the requirements of NFPA 101 for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control inputs, auxiliary locking, local alarm and remote signaling outputs are self-contained in the Chexit assembly. Numerous configurable options allow the device to be customized for the specific code or application requirements. The standard Chexit device sounds an alarm and keeps the door secured for 15 seconds following an exit attempt with immediate release upon fire.

The Chexit device includes a 6" x 20" decal for application on door.

"PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS"

#### **Chexit typical applications**

Chexit single door with options – The Chexit is used as an access control device. The card reader allows access. Also shown in this application is an external horn and door position switch. The auxiliary horn is used for increased volume in remote locations. Using a door position switch gives added security to the opening in case the door is not reclosed.

With the Chexit disarmed, the opening functions as a normal exit device. If card readers are required on both sides of the door, the normally closed contacts of the readers should be wired in series.

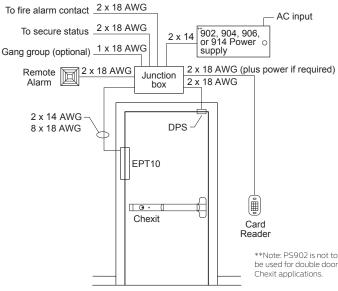


Figure 1. Riser Diagram, Single Door

#### Minimum door opening sizes for CX devices

Consult factory for other size requirements

| Device                              | 3' (914mm)<br>Length          | 4' (1219mm)<br>Length         |
|-------------------------------------|-------------------------------|-------------------------------|
| CX98/98-F/99/99-F                   | 2'10³/₄" (883mm)              | 3'4³/₄" (1035mm)              |
| CX-XP98/XP98-F/XP99/XP99-F          | 2'10³/₄" (883mm)              | 3'4³/₄" (1035mm)              |
| CX9827/9827-F/9927/9927-F           | 2'10'/4" (870mm)              | 3'4'/4" (1022mm)              |
| CX9847/9847-F/9947/9947-F           | 2'10'/4" (870mm)              | 3'4'/4" (1022mm)              |
| CX9848/9848-F/9948/9948-F           | 2'10'/4" (870mm)              | 3'4'/4" (1022mm)              |
| CX9849/9849-F/9949/9949-F           | 2'10'/4" (870mm)              | 3'4'/4" (1022mm)              |
| CX9850/9850WDC-F/<br>9950/9950WDC-F | 2'10 <sup>1</sup> /4" (870mm) | 3'4 <sup>1</sup> /4" (1022mm) |
| CX9857/9857-F/9957/9957-F           | 2'10 <sup>1</sup> /4" (870mm) | 3'4'/4" (1022mm)              |
| CX9875/9875-F/9975/9975-F           | 2'10 <sup>1</sup> /4" (870mm) | 3'4'/4" (1022mm)              |

#### Specifications / Power supply requirements\*

Input voltage – 24VDC

Input current inrush – 1.25A

Input current holding – 390mA

Alarm relay and Secure relay contact ratings – 24VDC, 1A

Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts.

# Power supply information for CX devices with motor driven blocking actuator\*.

| Power supply         | Maximum number of devices |
|----------------------|---------------------------|
| PS902 (up to 2 amps) | 1 Chexit device           |
| PS904 (up to 4 amps) | 3 Chexit devices          |
| PS906 (up to 6 amps) | 4 Chexit devices          |
| PS914 (up to 4 amps) | 4 Chexit devices          |

When powering multiple components, verify that the amperage requirements of all components combined does not exceed the power supply output rating, see table above for output ratings. Consult Installation Instructions for proper wire gauge and wire run requirements. Exceeding the recommended devices and/or not following Installation Instructions may void your warranty. Call Customer Care at 877-671-7011 or visit the Allegion website for more information - www.us.allegion.com.

#### How to order\*

#### To order, specify:

- 1. Prefix product description number "CX". Example: CX99L
- 2. Specify option (see options on page 60). Example: CX-RCM or CD-CX
- 3. Door size other than 3' (914mm).
- 4. Door thickness other than  $1^{3}/_{4}$ " (45mm).

#### 5. Finish.

6. Handing, LHR or RHR. Required with "CD" option.

\*Note: Chexit devices built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011. The Chexit, Remote Chexit Module (RCM) or DE5300 devices have several features and options available to fit your applications. See below for more information.

#### **Inputs & Outputs**

#### Fire Alarm Input

This input releases the door immediately upon a fire alarm allowing immediate egress. The Internal Alarm can be silenced during a fire input via an onboard switch setting.

#### Inhibit Input (Access Control)

This optional input is provided to allow authorized egress or entry when the device is Armed using an external card reader, Key Switch, etc. It also allows remote reset of the Chexit, RCM or DE5300 in an alarmed condition. The ability to reset alarms with the inhibit input can be disabled via an onboard switch setting.

#### **Door Position Switch Input**

An optional Door Position Switch (DPS) can provide door position status to Chexit, RCM or DE5300 for additional security, ensuring that the door is closed, and can cause alarm when the door is left or forced open.

#### Gang Bus

The Gang bus allows a Chexit, RCM or DE5300 device to signal other Chexit, RCM or DE5300 devices when it enters the Release Delay, allowing multiple doors to release at the same time in an emergency. Up to 8 devices may be connected to the Gang Bus.

#### **Alarm Relay Contacts**

The Alarm Relay contacts are provided as a means to control a Remote Alarm, such as a horn or lamp, or signal an external monitor. The contacts can be configured with a jumper as Normally Open or Normally Closed, and become active upon entering an alarmed condition.

#### **Secure Relay Contacts**

The Secure Relay contacts are provided as a means to signal an external monitor. The contacts can be configured as Normally Open or Normally Closed with a jumper, and become active when the DPS indicates the door is closed and the Push Pad is locked.

#### Delays

#### **Release Delay**

When the Push Pad is pushed and the Nuisance Delay expires, the Chexit, RCM or DE5300 enters the Release Delay with alarm. During the Release Delay, the Internal Alarm sounds, the Alarm Relay activates, and the Chexit/RCM keeps the Push Pad or DE5300 magnetic lock, locked for 15 seconds (less any time already elapsed during the Nuisance Delay). Once started, the Release Delay sequence will not stop and the devices will unlock.

#### **Nuisance Delay**

When a Chexit, RCM or DE5300 is located in a public area, it can be desirable to limit false releases when the Push Pad is accidently pushed. The Nuisance Delay is the brief time a Push Pad can be accidently pushed before the Release Delay sequence starts. If the Nuisance Time is set to 0 seconds the Chexit, RCM or DE5300 will enter Release Delay as soon as the Push Pad is pushed (when armed). Setting the Nuisance Time to 1, 2, or 3 seconds allows the Push Pad to be pressed for 1 to 3 seconds before the Chexit, RCM or DE5300 goes into Release Delay. If the Nuisance Audio and Nuisance Delay are both on, the Internal Alarm will pulse during the Nuisance Delay. If the Push Pad is released before the Nuisance Delay expires, the Chexit, RCM or DE5300 will remain armed.

#### **Rearm Delay**

The Rearm Delay is the amount of time after the Key Switch or Inhibit Input is deactivated to when the device rearms. It is designed to give someone time to pass through the door before rearming occurs. The Rearm Time can be changed via the onboard switch settings from 0 and 28 seconds in 2 second increments. If the Rearm Time is set to 30 seconds and a DPS is used, if the door is opened and the Rearm Time expires, there will be no alarm. The Chexit, RCM or DE5300 will rearm after the door is closed. If the door never opens, the Chexit, RCM or DE5300 will rearm after 30 seconds. If not using a DPS, the Chexit, RCM or DE5300 will always rearm in 30 seconds.

#### DPS Delay

If the DPS detects that the door closed during the Rearm Delay, the Chexit, RCM or DE5300 ends the Rearm Delay and allows 2 seconds for the latch to clear the strike before rearming.

#### Interface

#### **Key Switch**

The Key Switch provides the means to Arm or Disarm/Reset the Chexit, RCM or DE5300. Turning the Key Switch clockwise initiates the Rearm Delay, and turning the Key Switch counterclockwise Disarms/Resets the Chexit, RCM or DE5300. The Key Switch allows the key to be removed in either the Arm or the Disarm/Reset position.

#### **Status Indicator**

The red Status Indicator displays the status of the Chexit, RCM or DE5300. The Status Indicator flashes slow if the Chexit, RCM or DE5300 is armed, flashes fast in an alarmed mode, is off when inhibited and on solid during Rearm Delay.

#### Internal Alarm

The Internal Alarm sounds the status of the Chexit, RCM or DE5300. The Internal Alarm sounds continuously during and after a fire alarm or a Release Delay, pulses fast during the Nuisance Delay or a tamper and pulses slow during Disarmed Powerup mode.

#### Settings

#### Armed Powerup

When set to OFF, a power disruption and power return will put the Chexit, RCM or DE5300 in a disarmed, unlocked alarm mode.

#### Trim Fail Safe / Fail Secure (FS/FSE)

The trim input power can be set to FS (Fail Safe; locked when energized, unlocked when deenergized or during power failure) or FSE (Fail Secure; unlocked when energized, locked when deenergized or during power failure).

The trim must be bought or modified to physically function as FS or FSE. This on board setting only selects the trim input power.

# 98/99 Chexit options

**RCM Remote Chexit Module** — is designed to provide the concept of the Chexit delayed exit system for door sizes smaller than the standard Chexit device can accommodate. The Chexit



it device can accommodate. The Chexit module is installed in a control box and mounted in a remote location. Features and functions of the standard Chexit exit device are available on the Remote Chexit Module

RCM Module

#### Minimum door opening sizes for RCM devices

#### Consult factory for other size requirements.

| Device                                   | 3' (914mm)<br>Length                      | 4' (1219mm)<br>Length         |
|------------------------------------------|-------------------------------------------|-------------------------------|
| CX-RCM 98/98-F/99/99-F                   | 2'5" (737mm)                              | 2'11" (889mm)                 |
| CX-RCM XP98/XP98-F/XP99/XP99-F           | 2'5" (737mm)                              | 2'11" (889mm)                 |
| CX-RCM 9827/9827-F/9927/9927-F           | 2'41/2" (724mm)                           | 2'10 <sup>1</sup> /2" (876mm) |
| CX-RCM 9847/9847-F/9947/9947-F           | 2'41/2" (724mm)                           | 2'10 <sup>1</sup> /2" (876mm) |
| CX-RCM 9848/9848-F/9948/9948-F           | 2'41/2" (724mm)                           | 2'10 <sup>1</sup> /2" (876mm) |
| CX-RCM 9849/9849-F/9949/9949-F           | 2'41/2" (724mm)                           | 2'10 <sup>1</sup> /2" (876mm) |
| CX-RCM 9850/9850WDC-F/<br>9950/9950WDC-F | 2'41/2" (724mm)                           | 2'10 <sup>1</sup> /2" (876mm) |
| CX-RCM 9857/9857-F/9957/9957-F           | 2'41/2" (724mm)                           | 2'10 <sup>1</sup> /2" (876mm) |
| CX-RCM 9875/9875-F/9975/9975-F           | 2'5 <sup>1</sup> / <sub>2</sub> " (743mm) | 2'11'⁄2" (902mm)              |

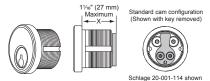
#### Specifications / Power supply requirements\*

| Size – 3.75" x 5.57" x 2.50"                                                              |
|-------------------------------------------------------------------------------------------|
| Input voltage – 24VDC                                                                     |
| Input current inrush – 1.25A                                                              |
| Input current holding – 390mA                                                             |
| Alarm relay and Secure relay contact ratings – 24VDC, 1A                                  |
| Fire alarm, Inhibit and Door position switch inputs require normally closed dry contacts. |

**Cylinder dogging** — Special center case cylinder dogging option is available to allow push/pull operation of the Chexit, when disarmed and used in a heavy traffic area. Prefix device with "CD" and specify handing.



**Cylinders** — Cylinders are not furnished with the Chexit device and must be specified when ordering. Use  $1^{1}/_{4}$ " mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.



How to order\*

#### See Chexit "How to order" on page 58.

\*Note: RCM modules built after August 24, 2015 are built using motor driven blocking actuators that have decreased power supply and operating requirements. The information listed in this catalog references the power supply and operating requirements that are needed for the new products with motor driven blocking actuators. For information on devices built previous to August 24, 2015, please contact Customer Care at 877-671-7011.

# DE5300 Delayed Egress System

DE5300 Delayed Egress System — is designed for controlled egress applications when used in conjunction with a magnetic lock. It meets both life safety and security needs, as well as the requirements of NFPA for "Special Locking Arrangement" and IBC "Special Egress-Control Devices". All control units, auxiliary locking, local alarm and remote signaling outputs are selfcontained in the DE5300 assembly.



The DE5300 is commonly used on narrow stile doors where a standard or narrow stile Chexit is not practical. DE5300 Delayed Exit System uses a Chexit logic board and a Von Duprin RX-LC (low current request to exit) panic device to control a Schlage Electronics Direct Hold Magnetic Lock.

DE5300 Module

The Chexit module for the DE5300 is installed in a control box and mounted in the wall adjacent to the door. Features and functions of the standard Chexit exit device are available on the DE5300.

The DE5300 device includes a  $6"\ x\ 20"$  decal for application on door.

"PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS"

**Cylinders** — Cylinders are not furnished with the DE5300 and must be specified when ordering. Use  $1^{1/4}$ " mortise cylinder with compression ring K510-406 with straight cam and orient cam as shown. Schlage cylinder 20-001-114 recommended for the device and the CD cylinder dogging option. See Schlage Pricebook for additional information.

| Specifications / | Power supp | ly requirements |
|------------------|------------|-----------------|
|------------------|------------|-----------------|

Size - 3.75" x 5.57" x 2.50"

Input voltage – 24VDC

Input current – 1A

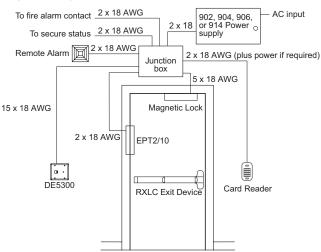
Alarm relay and Secure relay contact ratings – 24VDC, 1A Fire alarm, Inhibit and Door position switch inputs require normally

#### closed dry contacts. How to order

To order, specify:

1. DE5300

- 2. M420/P, M450/P, or M490/P magnetic lock (order direct from Schlage Electronics).
- 3. RX-LC 22/33A/35A/98/99 device.
- 4. PS900 Series
- 5. EPT-2/10



#### Figure 1. Riser Diagram, Single Door

#### ALK Alarm kit



ALK Alarm kit is a simple yet effective way to deter unauthorized use of an opening. While the exit device is still a means of egress, the ALK kit contains an internal horn. When the touch bar is depressed, the horn sounds to provide an audible means of signaling that the opening has been violated. The alarm kit can be armed or disarmed by key thus allowing the exit device to be set in an armed or disarmed mode. The horn is rated at 85 decibels.

#### For Hardware Applications

The assembly includes both a 24VDC Input and External Inhibit standard. The External Inhibit provides remote arming and dis-arming.

The key switch uses a standard  $1^{1}/4^{"}$  (32mm) mortise cylinder with a straight cam (Schlage 20-001, L583-475 cam). The unit operates on one standard 9-volt alkaline battery. When the battery is weak, the horn will emit an intermittent low battery alert signal.

Auto reset (AR) option is available with this kit. This kit allows the device to resume the alarm option after a preset time. Preset times can be field selected at 1.5, 3, or 4.5 minutes.

Alarm kits are available with a choice of two switch kits, RX or LX. RX monitors the touchpad and is furnished standard. LX optional latch bolt monitoring is recommended for use with surface vertical rod exit devices or when alarm needs to sound from both the exit device and trim side of the door. Specify ALK-LX.

Note: For latch bolt monitoring on a 98/9975 with ALK, specify a SS7500 lock. LX switch not available for 98/9975 devices.

The ALK is available in two styles, 99ALK, grooved cover and 98ALK, smooth cover.

The ALK includes a 6" x 20" decal for application on door "EMERGENCY EXIT ONLY. ALARM WILL SOUND." RSS push bar trim can be used instead of the door decal, specify RSS push bar trim when ordering the device.

When the ALK is used, standard dogging is removed. If cylinder dogging is required there are two choices. Special center case dogging is available or for 3' or 4' doors. The ALK can be moved to the hinge side of the device and standard cylinder dogging can be added.

#### To Order, Specify:

- 1. Standard, 98 ALK
- 2. Cylinder Dogging, CD98 ALK
- 3. Special center case dogging, SD98 ALK

#### Minimum door opening sizes on ALK applications

| Device                  | 3' (914mm)<br>Length | 4' (1219mm)<br>Length |
|-------------------------|----------------------|-----------------------|
| 98/98-F/99/99-F         | 2'10" (864mm)        | 3'4" (1016mm)         |
| 9875/9875-F/9975/9975-F | 2'10" (864mm)        | 3'4" (1016mm)         |
| 9827/9827-F/9927/9927-F | 2'10" (864mm)        | 3'4" (1016mm)         |
| 9857/9857-F/9957/9957-F | 2'10" (864mm)        | 3'4" (1016mm)         |
| 9847/9847-F/9947/9947-F | 2'9" (838mm)         | 3'3" (991mm)          |
| 9848/9848-F/9948/9948-F | 2'9" (838mm)         | 3'3" (991mm)          |

#### Allegion Connect



Allegion's cross-category Connect features common interconnect components to our electrified options. Allegion Connect is a quick and easy way to connect power sources; all the way from your power supply to locking device. There is no wire cutting; reducing installation and maintenance time ultimately cutting cost. After installation, Allegion's Connect continues to provide benefits throughout the lifetime of the opening by offering a service kit for repairs or modifications in the future.

#### **Features and benefits**

- Quick: common connections reducing installation time
- Perfect Connections: these factory installed connectors ensure the right wires match up every time
- Protective: the connectors protect the connection points throughout the installation process and lifetime of the opening
- Interchangeable: all Allegion Connect products utilize the same connectors
- Maintenance: you no longer need to cut away wire to disconnect Allegion products, also available is a service kit specifically for Connect products.

| Harness length                                                                      | Connectors<br>on both ends | Connectors on one end,<br>crimped pins on the other end |  |  |
|-------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------|--|--|
| 6 Inches                                                                            | CON-6                      | CON-6P                                                  |  |  |
| 12 Inches                                                                           | CON-12                     | CON-12P                                                 |  |  |
| 26 Inches                                                                           | CON-26                     | CON-26P                                                 |  |  |
| 32 Inches                                                                           | CON-32                     | CON-32P                                                 |  |  |
| 38 Inches                                                                           | CON-38                     | CON-38P                                                 |  |  |
| 44 Inches                                                                           | CON-44                     | CON-44P                                                 |  |  |
| 50 Inches                                                                           | CON-50                     | CON-50P                                                 |  |  |
| 192 Inches CON-192 CON-192P                                                         |                            |                                                         |  |  |
| Power Supply Wire Harness = Connectors on one end, stripped leads on the other end, |                            |                                                         |  |  |

offering a direct connection to the power supply 6 Inches CON-6W - wire extension to power supply

Consult door manufacturer for harness length requirements.

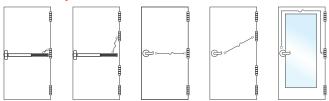
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/ EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service kit is available for order in the Schlage, Von Duprin and Falcon pricebooks. Included in this kit are male end plugs, female end plugs and pins to customize harnesses to your application.

Note: Must be ordered with exit devices and locks

#### How to order

- 1. Specify CON for Connect electronic options
- Example: EL-99-EO-CON (99 Series Electrified Latching exit only with Connect connectors)
- 2. Specify harness length; Consult door manufacturer for harness length
- 3. Specify Von Duprin EPT10-CON or Ives 7200 power transfer hinge

#### Wire run options



#### **EL Electric latch retraction**

The EL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. A powerful, continuous duty solenoid retracts the latch bolt, either for momentary unlatching, or for extended periods of time. The EL feature is an alternative to manual dogging.

If manual hex-key dogging is required, specify HD-EL. If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-EL. SD-EL is not available on the 9875 or 9975 devices.

EL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an **automatic fire alarm system**.

UL approved for Class II circuit applications.

The EL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS914 power supply.

The PS914 with the 9002RS option card is the minimum option card required. Other option cards available for other functions, see PS914 power supply for additional information.

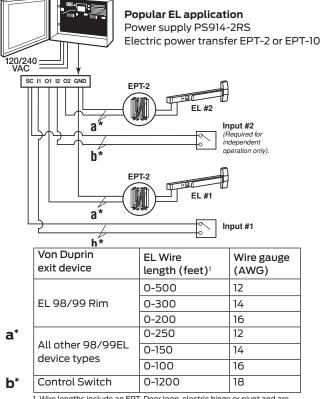
**Solenoid specifications:** Continuous duty – 24 VDC Current inrush – 16 Amps Current holding – 0.3 Amps Solenoid resistance: -grn-yel 1.2 – 2.2 OHMS -grn-org 100 – 150 OHMS

#### To order, specify:

Standard – use prefix EL, example EL99L. Hex Key dogging – Use prefix HD-EL, example HD-EL99L. Special center case dogging – Use prefix SD-EL, example SD-EL99L

#### Minimum door opening widths:

| Application       | Surf. vert. | Con. vert. | Mortise | Rim     |
|-------------------|-------------|------------|---------|---------|
| Min. door opening | 281/4"      | 28 1/4"    | 28 3/4" | 29 1/4" |



 Wire lengths include an EPT, Door loop, electric hinge or pivot and are measured one way between the PS914/option board and the device.
 Table is applicable to devices that have shipped after August 2012.

#### **QEL electric latch retraction**

The QEL feature allows for the remote unlatching of exit devices. A control station operator can flip a switch to retract the latch bolt and immediately change an exit door to push-pull operation. Different than the popular EL, the QEL quiet operation is achieved using an electric drive motor which retracts the latch bolt either momentary unlatching or for extended periods of time. This feature is an alternative to manual dogging.

If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify

SD-QEL. SD-QEL is not available on the 9875 or 9975 devices.

QEL devices are also useful with automatic door operators, and may be applied to fire-rated applications when under the control of an automatic fire alarm system.

UL approved for Class II circuit applications.

The QEL option does not include the power transfer from door to frame, the power supply, or the control operator. Refer to EPT-2 power transfer and the PS902 or 914 power supply.

The PS902/914 with the 2RS, 4RL or 4R board is the minimum required. Other option boards available for other functions, see PS902/914 power supply for additional information.

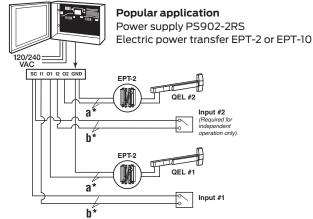
The QEL has a low in rush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

| Schlage PS902       |            | Schlage PS904                            | Schlage PS906 |  |  |
|---------------------|------------|------------------------------------------|---------------|--|--|
| up to 2 amps        |            | up to 4 amps                             | up to 6 amps  |  |  |
| QEL Electrical load |            |                                          |               |  |  |
| Voltage 24VDC       |            |                                          |               |  |  |
| Current             | 1.0 A Inru | 1.0 A Inrush (0.5 sec.) / 0.14 A Holding |               |  |  |

The -2RS option board is designed to control two electric latch retraction devices and provide time delay between the firing of outputs is required. The power transfer is also sold separately.

#### To order, specify:

Standard — use prefix QEL, example QEL99L. Special center case dogging — use prefix SD-QEL, example SD-QEL99L



| a* | Distance (one-way)    |         | Wire gauge  |
|----|-----------------------|---------|-------------|
|    | 200 <i>′</i>          |         | 18 AWG      |
|    | 320´                  |         | 16 AWG      |
|    | 500´                  |         | 14 AWG      |
|    | 800´                  |         | 12 AWG      |
| b* | Wire selection Switch |         | wire size   |
|    | 1200 ft. Max.         | 18 gaug | ge standard |

#### **Power Supplies**

#### Series PS902/914



#### **Overview:**

The PS900 Series is a consolidated line of power supplies and accessories that offer enhanced flexibility and functionality specific to the changing needs of the access control market. The PS900 Series can be used in a variety of applications to convert high voltage AC power into the low voltage DC outputs required by most access control devices. The PS900 Series protects devices downstream by providing Class 2\*, filtered and regulated power. The full line is UL294 certified.

Note:  $\mathsf{PS906}$  can provide Class 2 rated outputs when used with 900-8P distribution board.

#### **Features:**

- Constant output rating at both 12 VDC and 24 VDC provides
   superior performance ; includes field selectable jumper
- Polarized connectors for option boards eliminate need for racks and side connectors
- Flat mounting of option boards provides easier access to terminal blocks for connection of electrified devices
- High voltage protective cover
- Battery back-up board auto-selects voltage
- Fire alarm relay can be configured to provide either switched or un-switched outputs from a power supply
- PS914 designed with high in rush current for powering electrified panic devices
- Universal 120-240 VAC input
- Low voltage DC, regulated and filtered
- Electronic power limiting foldback circuit for AC current overload protection
- Fused primary input
- AC status monitor- isolated SPDT contacts
- AC input and DC output LED status indicators
- Cover mounted AC input indication
- Hinged cover with lock down screws

#### **Certifications:**

- UL 294 certified—the standard for access control
- Class 2 rated\*

\* Except PS906, output rating exceeds Class 2 power limits

Once power is converted to low voltage DC, the PS900 Series offers a variety of distribution options, including basic fuse protection, simple relay, and advanced logic providing complex sequencing and timing functions.

\* PS906 can provide Class 2 rated outputs when used with 900-8P distribution board.

|                                                               | PS902  | PS904  | PS906  | PS914  |
|---------------------------------------------------------------|--------|--------|--------|--------|
| Number of connectors on<br>power supply for the<br>following: | 2 amps | 4 amps | 6 amps | 4 amps |
| Distribution boards                                           | 1      | 2      | 3      | 2      |
| Battery back-up board                                         | 1      | 1      | 1      | 1      |

**Note:** One fire alarm board can be connected directly to the PS902. If a fire alarm board is desired for the PS904, PS906 or PS914 it can be connected to a distribution board.

#### **Applications:**

The PS900 Series of power supplies works with many electrified devices including Schlage electromagnetic locks, Schlage AD-Series hardwired locks, Schlage electrified mechanical locks, Von Duprin electrified strikes, Von Duprin exit devices, and many other brands.

#### **Accessories:**

The Schlage PS900 Series features seven option boards for use in a variety of applications. All Schlage PS900 Series power supplies option boards are UL 294 certified.

#### **Option boards:**

**900-4R:** 4 relay controlled output board to power multiple devices

**900-4RL:** 4 relay distribution board with logic is field configurable for time delay function, auto operator, security interlock

**900-8F:** Provides 8 individually fuse-protected outputs, giving the flexibility to power multiple devices and provide another layer of protection

**900-FA:** Emergency interface relay integrates with fire alarm and is used to cut power in case of emergency

900-BB: Battery backup

**900-2RS:** 2 relay EL/QEL panic device control board (PS914 - required for EL)

**900-BBK:** Battery backup kit includes two 7A/hr batteries and provides up to four hours of backup power when cycled every 5 minutes at full load

#### EPT Electrical power transfer PNT Pneumatic transfer

Electric Power Transfer provides a means of transferring electrical power from a door frame to the edge of a swinging door. The units are completely concealed when the door is in the closed position, and are ideal for installations involving abuse or heavy traffic.



Two models are available; EPT-2, two 18

gauge wires and EPT-10, ten 24 gauge wires. The EPT-2 and EPT-10 are U/L listed as "miscellaneous door accessory".

UL Listed for use on firedoors

| Degree of opening | Hinge type               | Door thickness |
|-------------------|--------------------------|----------------|
| 0-180             | Up to 5" butt hinges     | 13/4"          |
| 0-180             | Up to 3/4" offest pivots | 13/4"          |
| 0-130             | 51/2" butt hinges        | 13/4"          |
| 0-110             | 6" butt hinges           | 13/4"          |
| 0-90              | Swing clear hinges       | 13/4"          |

#### Finishes

SP28 (sprayed aluminum)

SP313 (sprayed duranodic).

#### Dimensions

| Housing | 9" x 1¼" x 1%" (229mm x 32mm x 38mm)                                   |
|---------|------------------------------------------------------------------------|
| EPT-2   | Two 18 gauge wires, Up to 2 AMPS @ 24VDC, with a 16 AMPS Maximum Surge |
| EPT-10  | Ten 24 gauge wires, Up to 1 AMPS @ 24VDC, with a 16 AMPS Maximum Surge |
| PNT-1   | <sup>5</sup> / <sub>32</sub> " Tubing                                  |

#### To order, specify:

1. EPT-2 ,EPT-10 or PNT-1.

2. Finish, SP28 or SP313.

#### E996L Electrified breakaway lever

E996L Electrified lever trim provides remote locking and unlocking. Furnished standard in fail safe (FS) condition, can be field converted to fail secure (FSE) where allowed. E996L is furnished standard with cylinder operation for nightlatch (NL) function, or with blank escutcheon (BE).



Power Supply

PS902

400

Control Switch

(normally closed)

24 VD

Power Wire Runs Through

Exit Device Body

E996

Power Transfer (EPT2 shown)

#### Specification:

Solenoid – continuous duty 24VDC Solenoid draw – 0.22 amp.

#### To order, specify:

- Use "E" prefix, example E996L. When ordering with the exit device specify trim series with prefix "E", example 9927L-BE 3' US26D E996.
- 2. Device type, R/V (rim/surface vertical rod/concealed vertical rod) or M (mortise).

3. RHR furnished standard if not specified, field reversible.

4. Lever style (06 lever furnished standard). Other levers, no extra charge.

#### E Electric mortise lock device



The electric mortise lock device has all the versatility and advantages of the standard mortise lock device, plus the advantage of being electrically controlled by a remote switching device, an access control system or an automatic fire alarm system. The device features the E7500 mortise lock. The E7500 controls the locking of the outside trim. When unlocked, the door remains latched, preserving the fire rating of the door and making it particularly useful where codes permit locking but require unlocking during a fire emergency. The outside trim cylinder retracts the latch bolt for mechanical override, night latch function. Only available with TP, K or L functions.

The E7500 lock contains a SPDT signal to monitor the outside trim condition (locked or unlocked) and a second SPDT signal switch to monitor the latch bolt.

#### Standard features:

- Field reversible handing
- 24 VDC continuous duty solenoid

#### **Optional features:**

- Fail safe (locked when energized, unlocked when deenergized or during power failure). Specify with suffix "FS."
- Fail secure (unlocked when energized, locked when deenergized or during power failure). Specify with suffix "FSE"
- 24 VAC (with SO option)
- 12 VDC
- 12 VAC (with SO option)

**Note:** Some Fire codes will require "Fail Safe" (FS) operation for stairwell doors.Be sure to specify the correct operation for your application.

#### **Electrical specifications:**

- Solenoid .60 AMPS @ 12VDC .30 AMPS @ 24VDC
- Each switch Up to 2.0 AMPS @ 24VDC Maximum

The E option does not include the power transfer from door to frame, the power supply or the control operator. (Refer to EPT-10 and PS902 or PS914 power supply)

#### To order, specify:

- 1. Use prefix "E," example E9975.
- 2. FS or FSE
- 3. Voltage and current.

#### Electric mortise lock device

Adaptable for openings where continuous latching is required while the trim may be electrically locked or unlocked from a remote location—stairwells, exterior doors, etc.

#### Minimum system requirements:

- PS902
- EPT-10

# 98/99 Mechanical options

#### **AX Accessible device**

The AX device is a UL certified exit device designed to meet the progressive requirements of the California Building Code for accessible openings. This device meets the 5 lbs of operating force requirement called for in chapter 11B-309.4. The AX device also exceeds ANSI/BHMA requirements. Available devices include: AX98/99, AX98/99-F, AX98/9949LBL, AX98/9949-F LBL, AX98/9949-F LBLAFL. Additionally, all AX devices will be shipped with a new UL label clearly stating "Meets California building Code (2013) Sec. 11B-309.4" and an "AX" identifier label on device center case. See images below for reference.





#### **XP Extra performance**

For increased security the XP98/99 Rim exit device has a static load force resistance of more than 2,000 pounds, twice that of standard rim exit devices. The two-piece latch bolt forms a 90° latch-to-



strike contact. The "smart" latch changes shape when subjected to external forces. This design enables the exit door to withstand an external attack and remain secure. Additionally, the patented latch bolt design provides a greater, longer-lasting latch bolt to strike contact which is not easily affected by the twisting motion of a weakened frame, resulting in an opening that will remain strong.

With a door loaded to 250 pounds, XP98/99 requires less than 40 pounds of pressure to open, 25% less than the safety code requires.

XP98/99 is available for panic or fire exit hardware applications. Dimensions, finishes and trim options are equal to the standard 98/99 series rim exit device.

Note: The 909 strike is to be used for all applications.

The exception occurs with the use of fire rated double door applications, in this instance the 954 strike is required.

# WS Surface vertical rod one-point and three-point exit devices

WS Multi-point exit devices for tornado application devices WS98/9927 (one- point) and WS98/9957 (three-point) surface vertical rod exit devices are designed, tested and certified to comply with the Federal Emergency Management Agency's publication FEMA 361- Design and Construction Guidance for Community Safe Rooms.

# UL Listing – panic hardware UL 305; and fire exit hardware UL 10C: WS98/9927:

3 hour pairs of doors double egress, 90 minutes swinging same direction, 8'0" x 8'0" BHMA Grade 1, ANSI A156.3-2001

#### WS98/9957:

3 hours single doors, 4'0" x 8'0" BHMA Grade 1, ANSI A156.3-2001

#### Windstorm ratings:

#### WS98/9927:

Miami-Dade County/FBC compliance to TAS 201, TAS 202, TAS 203; design load rating +150/-150 PSF (245 MPH wind zone); Enhanced Hurricane Protection (EHPA) ASTM E1996, ANSI/ICC 500 (245 MPH wind zone).

UL-FEMA 361 certified 8'0" x 8'0" pairs, swinging same direction and 4'0" x 8'0" single non-fire rated flush hollow metal. UL-ANSI/ICC 500 certified for F5 tornado applications.

#### WS98/9957:

UL-FEMA 361 certified 4'0" x 8'0" single flush hollow metal (fire-rated and panic). UL-ANSI/ICC 500 certified for F5 tornado applications.

These devices are listed with Steelcraft Paladin™ PW-Series doors for tornados, and Steelcraft H-Series doors hurricane applications.

To order, specify: WS prefix, example WS9927-F

#### LBR Less bottom rod, panic and fire rated

LBR option is available, using a spring loaded auxiliary latch bolt installed in the lower door edge. When exposed to heat the auxiliary latch bolt releases, keeping the doors in alignment and closed during a fire. UL listed 3 hours on hollow metal doors double egress, 90 minute swinging same direction, and 20 minutes wood doors (consult wood door manufacturer). Fits door stiles as narrow as  $3^5/e^{\mu}$ .

LBR devices must be ordered in pairs or must be used in conjunction with an approved automatic or constant latching flush bolt.

#### PL Pullman latch

When PL is specified the standard latches are replaced with pullman style latches. Pullman latches are always extended and are most commonly used in conjunction with electric strikes and LBR-less bottom rod application. Not available with Fire rated devices.

Not recommended where security is of the utmost importance since latches do not deadlock.

# 98/99 Mechanical options

#### **PN Pneumatic controlled exit devices**



The PN feature provides remote latch bolt retraction in hazardous areas where electrically operated devices would not be permitted. The pneumatic solenoid will retract the latch bolt for momentary or prolonged periods. PN exit devices are particularly suited for use with automatic door operators. The PN feature is available on both Panic and fire exit hardware devices.

The PN feature includes a special actuating linkage that gives building owners the option of mechanically or pneumatically dogging the exit device. If manual hex-key dogging is required, specify HD-PN (Dogging the device, whether mechanically or pneumatically, makes the device function as a push/pull unit and reduces the wear on its moving parts.) If cylinder dogging is required, the standard cylinder dogging is not available, but special center case dogging is available, specify SD-PN. SD-PN is not available on the 9875 or 9975 devices.

When activated pneumatically, the latch bolt(s) of the exit device retract in  $\frac{1}{22}$  to  $\frac{1}{2}$  seconds. This pneumatic operation uses air pressure ranging from 50 to 100 pounds per square inch.

This product will function only when it is part of a pneumatic system (air compressor, air lines, pneumatic system, etc.).

Contact LCN for correct control boxes.

#### To order, specify:

- Standard Use prefix PN, example PN99NL
- Hex Key Dogging Use prefix HD-PN, example HD-PN99NL
- Special Center Case Dogging (handing is required, specify RHR or LHR) — Use prefix SD-PN, example SD-PN99NL

#### **PNT pneumatic transfer**

#### Pneumatic controls

PNT-1 is available for pneumatic latch retraction exit devices. Appearance and dimensions are identical to EPT models.

#### **RSS Red Silk Screen**



Red silkscreen lettering on touchpad trim. - "Emergency Exit Only, Push To Open And Sound Alarm". This comes standard on RSS devices.

To order, specify: Suffix RSS, 9927L-RSS RHR

#### WH Weep holes

WH is available for all 98/99 Series exit devices. Weep holes are ideal for devices that are mounted to exterior doors that can be exposed to rain and other elements. Hole spacing on 3' and 4' devices devices are every 6" on center. A 3 foot device will have 5 holes, are 4 foot device will have 7 holes.

To order, specify: Suffix WH, 99EO-WH.

#### **Dummy pushpad**

The 330 dummy pushpad is designed as a companion unit for all 99 devices. The 350 dummy pushpad is a companion unit for all 98 devices. The pushpad is rigid or nonfunctioning. A push/pull operation can be accomplished by using 990DT, 996DT trim or any Ives Pull.

The 330/350 can be equipped with a functional pushpad and will accommodate an RX or WP-RX switch. Specify RX-330. May also be equipped with the RX2, double RX switch. Specify RX2-330

#### To order, specify:

1. 330 or 350.

- 2. Size 3' or 4' (914mm or 1219mm)
- 3. Finish, US3, US4, US10, US26, US26D, US28, 313 & 315. US32D – 350 only.
- 4. Specifiy RX, WP-RX or RX-2 if desired.

#### SG Safety glow



Self-illuminating touchpad defines the location of the exit door in dark or smoke-filled area. The safety glow coating is a special powder coat finish that glows brightly during low or no light conditions. This coating was developed to meet MEA standards where luminescent exit door markings are required in commercial facilities. There are no batteries or electronics, the coating is charged when exposed to light.

To order, specify: Suffix SG, EL 9927L-SG

#### Braille, embossed and knurled touchpads



Braille touchpad embossed with the standard message "CAUTION STAIRWELL" in braille and raised letters provides assistance to persons with impaired vision. Letters are  $\frac{1}{2}$ " (13mm) high and braille is #2, raised height is  $\frac{3}{32}$ " (2mm). Other messages are available on special order, limited to 20 characters per line.\* **To order, specify:** Suffix BR, EL9927L-BR

Embossed touchpad is embossed with the word "PUSH". **To order, specify:** Suffix EMB, EL9927L-EMB

Knurled touchpad is to provide warning to persons with impaired vision. **To order, specify:** Suffix PBKN, EL9927L-PBKN

Consult factory for availability.

#### **RG-27** Vertical rod and latch guard



Series RG-27 Vertical rod and latch guards protect the bottom rods of exit devices from the damaging impacts of carts or gurneys passing through doors. (If bottom rods become damaged, the exit device will not function as intended and can jeopardize the ability to exit safely during an emergency.)

In addition to protecting the vertical rod, the guard provides a smooth, unobstructed surface so the door can be pushed open easily with the bumpers of a wheelchair. The latch guard portion is 10" high. The

 $^{36^{\prime\prime}}$  standard latch guard features a  $45^{o}$  ramp. The extended latch guard offers a continuous ramp in 3' or 4' widths.

All stainless steel construction in US32D finish. Latch guards can cover latches as large as  $1^{1}/_{4}$ "W x 10"H x  $1^{7}/_{8}$ " projection.

# Extended latch guard Latch guard יכו 3' or 4 ⊢ 4³/8" 2<sup>1</sup>/4"

#### Models

10

RGO Rod guard only (projection 1<sup>3</sup>/<sub>16</sub>")

Rod and latch guard RG-27

RG-27-3 3' (914mm) Rod guard and extended latch guard

RG-27-4 4' (1219mm) Rod guard and extended latch guard

LGO Latch guard only

LGO-3 3' (914mm) Extended latch guard only

LGO-4 4' (1219mm) Extended latch guard only

When using on wood fire doors, high density block is required.

#### To order, specify:

- 1. Model number.
- 2. Handing (except on RGO).
- 3. Door material if other than hollow metal.
- 4. Optional sex bolt mounting available.

#### 997 Cover plate kit

For 98/99 rim device, kit contains inside and outside plates for hinge stile cutouts, an inside plate for the lock stile, and necessary screws. Plates are designed to cover cutouts required by most existing exit device installations. Specify finish.



٩ı

#### WDA Cover plate kit

For wood door applications, used to cover up door preparations for control, also prevents the control from boring into the wood door. Finished to match control.



#### **GBK** Glass bead kit

Glass bead conversion kits are available for all 98/99<sup>™</sup> Series devices for use on doors with raised glass beads. Each kit consists of 1/4" (6mm) shim sets. GBK for surface vertical rod ships with 1/8" shims for rod guides.

#### To order, specify:

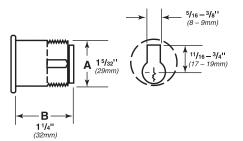
- 1. 99GBK
- 2. Device type (rim, mortise, surface vertical rod, concealed vertical rod)
- 3. Wood door, when used with concealed vertical Rod
- 4. When used with 330/350 Dummy pusher, order two hinge stile shims.

#### Cylinders

Cylinders are not furnished with device or trim and must be specified when ordering. Refer to trim pages for cylinder type.

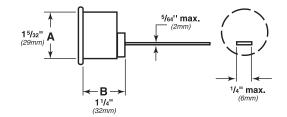


Mortise — 3215 (Schlage 20-001, L583-475 cam)





Rim — 3216 (Schlage 20-022 cam)



Dogged (inverted) cam



For cylinder dogging or 360L

Undogged cam (standard operations)



For standard trim functions or 360L-NL

#### **Mullions**

Removable steel mullions provide single door performance in double door openings with rim devices. Mullions are easily removed by loosening bottom set screw and removing top fitting cover. The top mullion fitting is attached to the frame and is concealed by the fitting cover.

Steel mullions are 2" (51mm) wide and 3" (76mm) deep, with a wall thickness of  $\frac{1}{8}$ " (3mm).

Mullions are shipped with mounting screws and prepared for strikes. Strikes are not included except where indicated.

Steel mullions are available in SP28 and SP313 finishes. Consult factory for other powder coat finish options.

KR – Keved removable steel mullions make removal faster and easier by a single operation of the mortise cylinder. Once mullion is removed, large equipment or furniture can freely pass through the opening. The unit will self lock when reinstalled, without the use of the cylinder key. Uses a  $1^{1}/_{4}$ " mortise cylinder with a straight cam (Schlage cam reference L583-475). Cylinders are sold separately. Prefix mullion model with "KR".

Removable aluminum mullions are  $1^{1}/_{16}$ " (27mm) wide on face closest to the door and  $2^{3}/_{8}$ " (60mm) at the widest point. The depth is  $3^{1}/_{8}$ " (79mm) with a wall thickness of  $\frac{1}{8}$ " (3mm).

Aluminum mullions are available in US4, US10, US28, 313 and 315 finishes. Consult factory for other powder coat finish options. Aluminum mullion are not available keyed removable.

Stock hollow metal applications for devices mounted to cover ANSI 161 cutouts are higher than the standard mullion strike location. Consult the factory for special strike preparation or order a blank mullion. See below.

Blank mullions are furnished without strike preparation. They are used to mount devices at a strike height different from the standard mullion preparation.

#### To order, specify:

- 1. For keyed Removable option on steel mullions, prefix model number with "KR"
- 2. Model number
- 3. Height of opening
- 4. Finish
- 5. Handing if required
- 6. Centerline deviation (refer to device template for standard centerline)
- 7. Strikes, when required, should be ordered with device





Removable mullions

Keyed removable steel mullions

#### **Steel mullions**

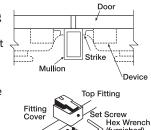
1654 Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

4954 Prepared for 264 or 299 strikes. For use with all Von Duprin Panic rim devices.

9954

Prepared for and must be used with two 268 strikes (88-F device), or two 499F (22-F, 98-F, 99F devices). UL fire labeled mullion for

up to 3 hour opening using Von Duprin fire exit rim devices. This mullion is not easily removed due to special fittings.



(furnished)

<sup>1</sup>/₄ *(6mm)* 20 Flat Head

Machine Screws

Fittings shown for 4754, 4654 and 4954

<sup>3</sup>/<sub>8</sub> (10mm) 16 Bolts Bottom Fitting

Hex Wrench (furnished)

98-F and 99-F devices are rated up to 10'0" (3048 mm).

Note: If 268 or 499F strikes are not specified on the order, two per mullion will be added. Additional charges apply.

- 4754 Prepared for two 4263 monitor strikes.
- 4854 Prepared for one 299 and one 6111 electric strike. Indicate handing for electric strike.
- 9854 Prepared for one 268 or 499F strike and one 6111 electric strike. Indicate

handing for electric strike. UL fire labelled mullion for up to 3 hour openings up to 8' x 8' (2438mm x 2438mm) using Von Duprin fire exit rim devices

Strike Furnished with

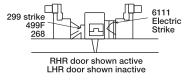
Device

S

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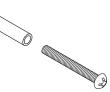
Anchors

4854/9854 - Using one electric strike



#### Sex bolts

Sex bolts when ordered with devices may be furnished with screw lengths different than shown in Column B. Below, Column B indicates popular sizes. Sex Bolts ordered separately are not furnished with screws. If screws are required refer to chart below and order screws by



description as a separate item. Other screw lengths may be used based on minimum and maximum allowable thread

engagement, shown in column "C." Quantity required — refer to device section, quantities differ depending on outside trim.

325 sex bolts used on surface Vertical Latches.

425 sex bolts are required for 98/99 Series fire rated devices when used on wood door applications. When wood doors are specified for these devices, sex bolts will be added to the device application unless SLM blocking package is specified.

825 sex bolts are required with 98-F/99-F rim devices on wood door applications using NL, TP, K and L outside trims. Two 825 sex bolts will be added to the device application unless SLM blocking package is specified.

#### To order, specify:

- Model number
   Quantity (2 per package)
- Finish
   Door thickness other than 1<sup>3</sup>/<sub>4</sub>" (44mm)
- 425 825

#### Rim, mortise and concealed vertical

|                                                                                                                                        |                           | Center case  |                                             |                                                                                              | Hinge                                                             | Hinge case |                     |                                  |                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------|---------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------|---------------------|----------------------------------|--------------------------------------------------------------------|
| Device<br>type                                                                                                                         | Door<br>thickness         | Sex bolt     |                                             | В                                                                                            | C<br>Thread<br>engagement                                         | Sex bolt   |                     | В                                | C<br>Thread<br>engagement<br>min. – max                            |
|                                                                                                                                        |                           | no.          | Α                                           | Screw                                                                                        | min. – max                                                        | no.        | Α                   | Screw                            |                                                                    |
| 98, 9827, 9827-F,<br>9875, 9875-F, 9847,                                                                                               | 1³/₄" (44mm)              | 425          | 19/16"                                      | 10-24 x 1" PPHMS                                                                             | <sup>9</sup> / <sub>32</sub> " - 1 <sup>9</sup> / <sub>16</sub> " | 425        | 19/16"              | 10-24 x 1" PPHMS                 | <sup>9</sup> / <sub>32</sub> " – 1 <sup>9</sup> / <sub>16</sub> "  |
| 9847-F, 9847WDC,<br>9849, 9849-F<br>99, 9927, 9927-F,<br>9975, 9975-F,<br>9947, 9947-F,<br>9949, 9949F,<br>98/9949WDC,<br>98/9949WDC-F | 21/4" (57mm)              | 425          | <sup>9</sup> /ז6"                           | 10-24 x 1 <sup>1</sup> / <sub>2</sub> " PPHMS                                                | <sup>9</sup> / <sub>32</sub> " – 1 <sup>9</sup> / <sub>16</sub> " | 425        | ] <sup>9</sup> ⁄15" | 10-24 x 1 <sup>1</sup> /2" PPHMS | <sup>9</sup> / <sub>32</sub> " – ] <sup>9</sup> / <sub>16</sub> "  |
| 98-F, 99-F*                                                                                                                            | 1³/₄" (44mm)              | 425<br>825A* | 1 <sup>9</sup> /16"<br>1 <sup>13</sup> /16" | 10-24 x 1" PPHMS<br>10-24 x <sup>3</sup> /4" PPHMS                                           | <sup>9</sup> / <sub>32</sub> " - 1 <sup>9</sup> / <sub>16</sub> " | 425        | 19/16"              | 10-24 x <sup>3</sup> /4" PPHMS   | <sup>99</sup> / <sub>32</sub> " – 1 <sup>9</sup> / <sub>16</sub> " |
|                                                                                                                                        | 2 <sup>1</sup> /4" (57mm) | 425<br>825B* | 1 <sup>9</sup> /16"<br>2 <sup>5</sup> /16"  | 10-24 x 1 <sup>1</sup> / <sub>2</sub> " PPHMS<br>10-24 x <sup>3</sup> / <sub>4</sub> " PPHMS | <sup>9</sup> / <sub>32</sub> " – 1 <sup>9</sup> / <sub>16</sub> " | 425        | 19/16"              | 10-24 x 1 <sup>1</sup> /4" PPHMS | <sup>9</sup> / <sub>32</sub> " – 1 <sup>9</sup> / <sub>16</sub> "  |

\* For use with outside trims, see page XX for details

#### Surface vertical rod - latches only

|                           |                           | Latch | case   |                                                                        |
|---------------------------|---------------------------|-------|--------|------------------------------------------------------------------------|
| Device<br>type            | Door<br>thickness         |       | lt     | В                                                                      |
|                           |                           | no.   | Α      | Screw                                                                  |
| 9827/9927/9827F,<br>9927F | 1³/4" (44mm)              | 325   | 19/16" | <sup>1</sup> / <sub>4</sub> - 20 x <sup>3</sup> / <sub>4</sub> " FPHMS |
|                           | 2 <sup>1</sup> /4" (57mm) | 325   | 19/16" | <sup>1</sup> / <sub>4</sub> - 20 x <sup>1</sup> / <sub>4</sub> " FPHMS |

PPHMS – Pan phillips head machine screw UFPHMS – Undercut flat phillips head machine screw

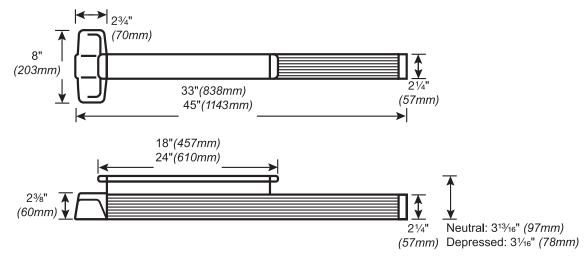
\* For use with outside trims.

# 98/99 Function, grade, type options

#### ANSI Function, grade & type

| Function | Grade 1,<br>type 1       | Grade 1,<br>type 2             | Grade 1,<br>type 3           | Grade 1,<br>type 7                 | Grade 1,<br>type 7                 | Grade 1,<br>type 8             | Grade 1,<br>type 8           |                              | Grade 1,<br>type 9             |
|----------|--------------------------|--------------------------------|------------------------------|------------------------------------|------------------------------------|--------------------------------|------------------------------|------------------------------|--------------------------------|
| 1        | 98EO & F<br>99EO & F     | 9827EO & F<br>9927EO & F       | 9875EO & F<br>9975EO & F     | 9847WDCEO & F<br>9947WDCEO & F     | 9850WDCEO & F<br>9950WDCEO & F     | 9847EO & F<br>9947EO & F       | 9848EO & F<br>9948EO & F     | 9849EO & F<br>9949EO & F     | 9857EO & F<br>9957EO & F       |
| 2        | 98DT<br>99DT             | 9827DT<br>9927DT               | 9875DT<br>9975DT             | 9847WDCDT<br>9947WDCDT             | 9850WDCDT<br>9950WDCDT             | 9847DT<br>9947DT               | 9848DT<br>9948DT             | 9849DT<br>9949DT             | 9857DT<br>9957DT               |
| 3        | 98NL & F<br>99NL & F     | 9827NL & F<br>9927NL & F       | 9875NL & F<br>9975NL & F     | 9847WDCNL & F<br>9947WDCNL & F     | 9850WDCNL & F<br>9950WDCNL & F     | 9847NL & F<br>9947NL & F       | 9848NL & F<br>9948NL & F     | 9849NL & F<br>9949NL & F     | 9857NL & F<br>9957NL & F       |
| 3        | 98K-NL & F<br>99K-NL & F | 9827K-NL & F<br>9927K-NL & F   | 9875K-NL & F<br>9975K-NL & F |                                    | 9850WDCK-NL & F<br>9950WDCK-NL & F |                                | 9848K-NL & F<br>9948K-NL & F | 9849K-NL & F<br>9949K-NL & F |                                |
| 3        | 98L-NL & F<br>99L-NL & F | 9827L-NL & F<br>9927L-NL & F   | 9875L-NL & F<br>9975L-NL & F |                                    | 9850WDCL-NL & F<br>9950WDCL-NL & F | 9847L-NL & F<br>9947L-NL & F   |                              | 9849L-NL & F<br>9949L-NL & F |                                |
| 5        | 98TP & F<br>99TP & F     | 9827TP & F<br>9927TP & F       | 9875TP & F<br>9975TP & F     | 9847WDCTP & F<br>9947WDCTP & F     | 9850WDCTP & F<br>9950WDCTP & F     | 9847TP & F<br>9947TP & F       | 9848TP & F<br>9948TP & F     | 9849TP & F<br>9949TP & F     | 9857TP & F<br>9957TP & F       |
| 7        | 98TP-2 & F<br>99TP-2 & F |                                | 9875TP-2 & F<br>9975TP-2 & F |                                    |                                    |                                |                              |                              |                                |
| 8        | 98K & F<br>99K & F       | 9827K & F<br>9927K & F         | 9875K & F<br>9975K & F       | 9847WDCK & F<br>9947WDCK & F       | 9850WDCK & F<br>9950WDCK & F       | 9847K & F<br>9947K & F         | 9848K & F<br>9948K & F       | 9849K & F<br>9949K & F       | 9857K & F<br>9957K & F         |
| 8        | 98L & F<br>99L & F       | 9827L & F<br>9927L & F         | 9875L & F<br>9975L & F       | 9847WDCL & F<br>9947WDCL & F       | 9850WDCL & F<br>9950WDCL & F       | 9847L & F<br>9947L & F         | 9848L & F<br>9948L & F       | 9849L & F<br>9949L & F       | 9857L & F<br>9957L & F         |
| 10       | 98K-2 & F<br>99K-2 & F   |                                | 9875K-2 & F<br>9975K-2 & F   |                                    |                                    |                                |                              |                              |                                |
| 10       | 98L-2 & F<br>99L-2 & F   |                                | 9875L-2 & F<br>9975L-2 & F   |                                    |                                    |                                |                              |                              |                                |
| 11 12    |                          | 9827TL & F<br>9927TL & F       |                              | 9847WDC & F<br>9947WDC & F         | 9850WDC & F<br>9950WDC & F         | 9847TL & F<br>9947TL & F       | 9848 & F<br>9948& F          | 9849 & F<br>9949& F          | 9857TL & F<br>9957TL & F       |
| 14       | 98K-BE & F<br>99K-BE & F | 9827K-BE & F<br>9927K-BE & F   | 9875K-BE & F<br>9975K-BE & F | 9847WDCK-BE & F<br>9947WDCK-BE & F | 9850WDCK-BE & F<br>9950WDCK-BE & F |                                | 9848K-BE & F<br>9948K-BE & F | 9849K-BE & F<br>9949K-BE & F |                                |
| 14       | 98L-BE & F<br>99L-BE & F | 9827L-BE & F<br>9927L-BE & F   | 9875L-BE & F<br>9975L-BE & F | 9847WDCL-BE & F<br>9947WDCL-BE & F | 9850WDCL-BE & F<br>9950WDCL-BE & F | 9847L-BE & F<br>9947L-BE & F   | 9848L-BE &F<br>9948L-BE & F  | 9849L-BE &F<br>9949L-BE & F  | 9857L-BE & F<br>9957L-BE & F   |
| 16       |                          | 9827TL-BE & F<br>9927TL-BE & F |                              | 9847WDC & F<br>9947WDC & F         | 9850WDC & F<br>9950WDC & F         | 9847TL-BE & F<br>9947TL-BE & F |                              | 9849 & F<br>9949 & F         | 9857TL-BE & F<br>9957TL-BE & F |

#### Dimensions



Additional information

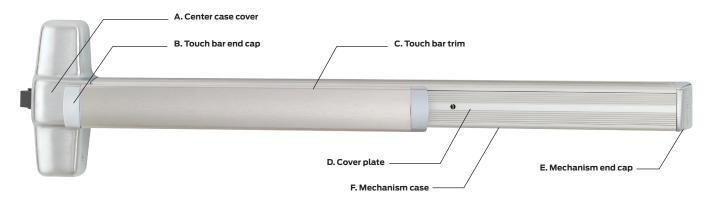
# UL Listing for fire exit hardware

#### UL Listed fire exit hardware label and opening size

|                        |                  |                    | Double door          |                      |                        |                        |                         |                               |                        |  |
|------------------------|------------------|--------------------|----------------------|----------------------|------------------------|------------------------|-------------------------|-------------------------------|------------------------|--|
| Exit device            | Door<br>material | Single door        | With 9954<br>mullion | With 9854<br>mullion | With kr9954<br>mullion | With kr9854<br>mullion | V x v<br>same direction | V x mortise<br>same direction | V x v<br>double egress |  |
| 98-F<br>99-F           | Metal            | 3 Hour<br>4' x 10' | 3 Hour<br>8' x 10'   | 3 Hour<br>8' x 10'   | 3 Hour<br>8' x 8'      | 3 Hour<br>8' x 8'      | _                       | _                             | _                      |  |
| 9875-F<br>9975-F       | Metal            | 3 Hour<br>4' x 10' | _                    | -                    | -                      | -                      | _                       | 3 Hour<br>8' x 10'            | _                      |  |
| 9827-F<br>9927-F       | Metal            | -                  | _                    | -                    | -                      | -                      | 90 Minute*<br>8' x 10'  | 3 Hour<br>8' x 10'            | 3 Hour<br>8' x 10'     |  |
| 9827LBR-F<br>9927LBR-F | Metal            | -                  | _                    | -                    | -                      | -                      | 90 Minute*<br>8' x 10'  | _                             | 3 Hour<br>8' x 10'     |  |
| 9857-F<br>9957-F       | Metal            | 3 Hour<br>4' x 8'  | 3 Hour<br>8' x 8'    | 3 Hour<br>8' x 8'    | 3 Hour<br>8' x 8'      | 3 Hour<br>8' x 8'      | _                       | _                             | _                      |  |
| 9847-F<br>9947-F       | Metal            | -                  | _                    | -                    | -                      | -                      | 90 Minute*<br>8' x 10'  | 3 Hour<br>8' x 10'            | 3 Hour<br>8' x 10'     |  |
| 9847LBR-F<br>9947LBR-F | Metal            | -                  | _                    | -                    | -                      | -                      | 90 Minute*<br>8' x 10'  | _                             | 3 Hour<br>8' x 10'     |  |
| 9848-F<br>9948-F       | Metal            | -                  | _                    | -                    | _                      | -                      | 90 Minute*<br>8' x 10'  | 3 Hour<br>8' x 10'            | 3 Hour<br>8' x 10'     |  |
| 9849-F<br>9949-F       | Metal            | -                  | _                    | -                    | -                      | -                      | 90 Minute*<br>8' x 10'  | 3 Hour<br>8' x 10'            | 3 Hour<br>8' x 10'     |  |
| 9849LBL-F<br>9949LBL-F | Metal            | -                  | _                    | _                    | -                      | _                      | 90 Minute*<br>8' x 10'  | _                             | 3 Hour<br>8' x 10'     |  |

Currently, no door manufacturers offer a listing over 90 minutes with doors swinging same direction.
 Consult wood door manufacturers for current UL listings.

# 98/99 Finishes



#### **Finishes**

| Color                  | US<br>number | BHMA<br>number | A, B, E              | c                                | D & F                     |
|------------------------|--------------|----------------|----------------------|----------------------------------|---------------------------|
| Bright brass           | US3          | 605            | Bright brass         | Bright brass US3, 605            | Buffed anodized           |
| Satin brass            | US4          | 606            | Bright brass         | Satin brass US4, 606             | Anodized                  |
| Satin bronze           | US10         | 612            | Plated               | Satin bronze US10, 612           | Anodized                  |
| Bright chrome          | US26         | 625            | Plated               | Bright stainless steel US32, 629 | Buffed anodized           |
| Satin chrome           | US26D        | 626            | Plated               | Satin stainless steel US32D, 630 | Anodized                  |
| Satin stainless steel* | US32D        | 630            | Stainless steel      | Satin stainless steel US32D, 630 | Anodized                  |
| Aluminum, anodized     | US28         | 628            | Powder coat          | Satin stainless steel US32D, 630 | Anodized                  |
| Duranodic dark bronze  | 313          | 710            | Powder coat          | Powder coat                      | Powder coat               |
| Black                  | 315          | 622            | Powder coat          | Powder coat                      | Powder coat               |
| Aged bronze 643E       | _            | _              | Relieved aged bronze | Relieved aged bronze             | Aged bronze,<br>no relief |

#### **Special Finishes**

| Color                                    | US<br>number | BHMA<br>number | A, B, E                       | C                                                                      | D & F                     |
|------------------------------------------|--------------|----------------|-------------------------------|------------------------------------------------------------------------|---------------------------|
| Satin bronze, oil-rubbed                 | US10B        | 613            | Oil-rubbed, US10B             | Oil-rubbed, US10B                                                      | Powder coat               |
| Powder coat**                            | RAL #        | _              | Powder coat                   | Satin stainless steel US32D, 630<br>(unless specified to match device) | Powder coat               |
| Bright bronze                            | US9          | 611            | Plated                        | Bright bronze US9, 611                                                 | Buffed anodized           |
| Satin nickel*                            | US15         | 619            | Plated, clear powder          | Satin stainless steel US32D                                            | Anodized                  |
| Satin chrome<br>(antimicrobial)          | U26D-AM      | 626-AM         | AM Clear over chrome          | AM Clear over satin stainless steel US32D, 630                         | AM Clear over<br>anodized |
| Satin stainless steel<br>(antimicrobial) | US32D-AM     | 630-AM         | AM Clear over stainless steel | AM Clear over Satin Stainless Steel<br>US32D, 630                      | AM Clear over<br>anodized |

#### ${\bf Touch \, bar \, trim \, options - {\sf Knurled}}$

Embossed "Push" Braille (Caution-Stairwell), satin stainless steel only RSS, US32D only, red silk screen lettered "EMERGENCY EXIT ONLY – PUSH TO OPEN AND SOUND ALARM."

\* US32D and US15—available on 98 Series only

\*\* Other custom logo touchbar trim and RAL color combinations available - consult factory

## 98/99 Finishes

#### Finishes\*

| Color                 | US<br>number | BHMA<br>number |
|-----------------------|--------------|----------------|
| Chromium,<br>polished | US26         | 625            |
| Anodized,<br>aluminum | US28         | 628            |
| Chromium, dull        | US26D        | 626            |
| Brass, polished       | US3          | 605            |
| Brass, dull           | US4          | 606            |

| Color                                     | US<br>number | BHMA<br>number |
|-------------------------------------------|--------------|----------------|
| Bronze, dull                              | US10         | 612            |
| Satin nickel<br>Available for<br>35A ONLY | US15         | 619            |
| Satin stainless<br>steel                  | US32D        | 630            |
| Duranodic<br>dark bronze                  | 313          | 710            |
| Black                                     | 315          | 711            |
| Aged bronze<br>643e                       | -            | -              |

#### **Special finishes**

| Color                                      | US<br>number | BHMA<br>number |
|--------------------------------------------|--------------|----------------|
| Satin chrome,<br>Antimicrobial             | US26D-<br>AM | 626-AM         |
| Satin stainless<br>steel,<br>antimicrobial | US32D-<br>AM | 630-AM         |

Pushpad options — Knurled

Embossed "Push"

Braille (Caution-Stairwell), satin stainless steel only RSS – (Emergency Exit – Push to open and sound alarm) – Red Silkscreen lettering on US32D

\* Note: Durable powder coated finishes available at specific special request. PLEASE CONTACT FACTORY.