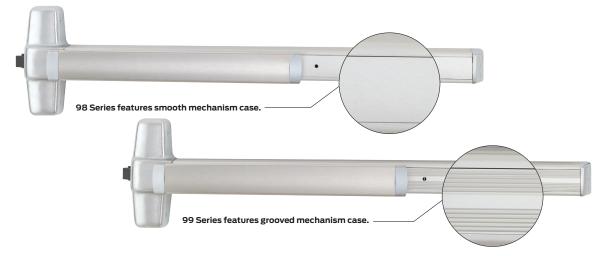


VON DUPRIN. 98/99™ Series Exit devices

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[™] 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

Table of contents

Exit hardware		👋 Fire exit
Rim devices		Rim device
98/99	8	98-F/99-F
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 Vertical rod devices		Surface m 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 rod devices		Concealed rod device
9847/9947	28	9847-F/99
Trim	29	Trim
9848/9948	32	9848-F/99
Trim	33	Trim
Concealed vertical cable devices		Concealed cable devi
9849/9949	36	9849-F/99
Trim	37	Trim
Wood door concealed vertical rod devices		Wood door vertical roo
9847WDC/9947WDC	40	9847WDC-
Trim	41	Trim
Wood door concealed		Wood door
THIS PRODUCT IS C	DBSOLETE if ee pages 48-51 f	t is replaced by or more informatio
Trim	45	Trim
Wood door concealed vertical cable devices		Wood door vertical ca
9850WDC/9950WDC	48	9850WDC-
Trim	49	Trim

á	
Fire exit hardware	
	10
98-F/99-F Trim	10 11
XP rim devices	
XP98/99-F	14
Trim	15
Mortise lock devices	
9875/9975	18
Trim	19
Surface mounted Vertical rod devices	
9827-F/9927-F	22
Trim	23
Three-point latching devices	
9857-F/9957-F	26
Trim	27
Concealed vertical rod devices	
9847-F/9947-F	30
Trim	31
9848-F/9948-F	34
Trim	35
Concealed vertical cable devices	
9849-F/9949-F	38
Trim	39
Wood door concealed vertical rod devices	
9847WDC-F/9947WDC-F	42
Trim	43
Wood door concealed	
placed by the 98/9950 WE e information./9949WDC-F	о С. 46
Trim	47
Wood door concealed vertical cable devices	

Von Duprin 98/99 Series • 3

51

Options and accessories

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

Finishes Standa

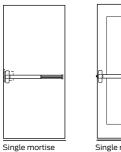
Standard & special finishes

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 QEL	Electric locking mortise/lever Quiet electric latch retraction										
ĒL	Electric latch retraction										
LX	Latch bolt monitoring										
RX	Request to exit										
RX2 SS	Double request to exit Signal switch										
AX	Accessible device										
PL	Pullman latch										
PN	Pneumatic latch retraction										
WS 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 48	Concealed vertical rod wood door device Concealed vertical rod device										
48 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 EO	Dummy trim Exit only										
HL	Hospital pull trim										
К	Knob										
K-BE K-DT	Knob - blank escutcheon Knob, rigid - dummy trim										
K-NL	Knob, rigid - night latch										
L	Lever (classroom)										
L-BE	Lever - blank escutcheon										
L-DT L-NL	Lever, rigid - dummy trim Lever, rigid - night latch										
NL	Night latch										
NL-OP	Night latch cylinder assembly, optional pull										
TL TL-BE	Turn lever 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 SG	Less bottom latch 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 CON	Auto-reset 4½ minute alarm kit Allegion Connect										
	-										
2' 3'	2' Device (2' door size) 27, 47 or 49 only 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 US32D – 98 ONLY	CI									
	-AM Antimicrobial (available US26D and US	532D)									
		•									
-LHR -RHR	Left hand reverse Right hand reverse		\vdash								
	Monthand revelae		/							n Duprin (98/99 Sei

Popular double door applications

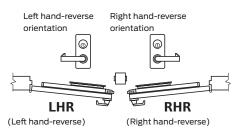
Single door applications



Single rim device

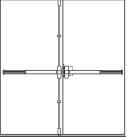
Single mortise lock device

Door handing



Outside

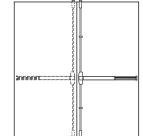
Double door applications



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

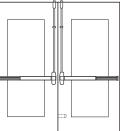


Two rim devices with mullion same direction

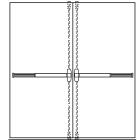


Two vertical rods—double egress

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).

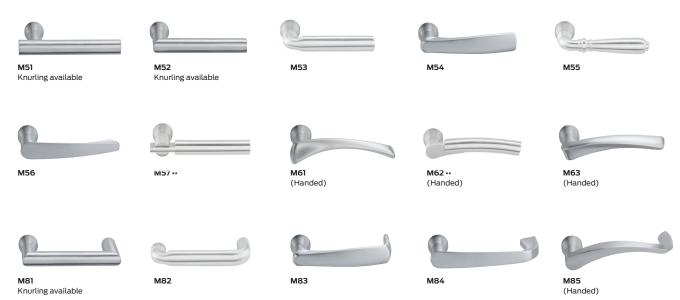
on

Dummy



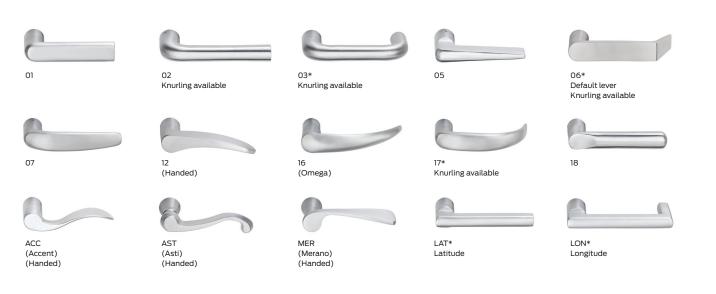
Lever styles

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- strike contact	• Repl 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 of 2,000+ lbs.	• Requirement
Device centerline from finished floor	39 ¹³ /16" (1011 mm) 39 ¹¹ /16" (1008 mm) with mullion		with
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	QEL Quiet electric	RX Push
Mechanism case dimensions	2¼" x 2¼" (57mm x 57mm)	 latch retraction Bolt retraction via switch 	• Sign
ProjectionPushbar neutral $- 3^{13}/_{16}$ " (97 mm)Pushbar depressed $- 3^{1}/_{16}$ " (78 mm)		Converts exit door to push-pull	• SPD mon
Latch bolt	Deadlocking, 3/4" (19mm) throw	operation	
Fasteners & sex bolts (SNB)	Includes screw pack for 1³/4" (44mm) and 2¹/4" (57mm) thick metal or wood doors. Optional 425 SNB available, see page 9 for quantities.	CX Chexit delayed exit	AX Acces
Electric options	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch	 Meets NFPA 101 requirements Self-contained controls, locking, alarm 	• Exce BHM requ
	CXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect	EL Electric latch retraction • Enables remote	ALK Alarn • Una
Mechanical options	-2Double cylinderAXAccessible deviceGBKGlass bead kitPNPneumatic latch retraction	unlatching • Alternative to manual dogging	85-c • Set i disa by ke
	XPExtra protectionSNBSex boltsSECSecurity screws	PN Pneumatic latch	CON Allegi
Dogging feature	Hex key dogging standard	For areas where	• Com
Dogging options	CDCylinder doggingSDSpecial center case doggingLDLess doggingDIDogging indicatorCICylinder dogging indicator	 Special linkage for mechanical or pneumatic dogging 	conr conr door the v 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 No outside trim Exit only	DT Dummy trim Pull when dogged	NL Night latch Key retracts latchbolt	NL-OP Night latch Key retracts latchbolt optional pull required
Product description	98EO 99EO	98DT 99DT	98NL 99NL	98NL-OP 99NL-OP
Trim description	-	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	_	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	_
Pull center to center	-	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	-
Projection	-	2" (51mm)	2" (51mm)	-
ANSI function	01	02	03	03
Cylinder type	-	-	Rim	Rim
Handing	-	-	-	-
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	б

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	98L 99L	98L-NL 99L-NL	98L-BE 99L-BE	98L-DT 99L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	-	—	—
Projection	2 ⁷ /8" (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)	2 ⁷ / ₈ " (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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- strike contact	Pushpad monitor switchSignals use of an
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 of 2,000+ lbs.	 opening SPDT switch to
Device centerline from finished floor	39 ¹³ /16" (1011 mm) 39 ¹¹ /16" (1008 mm) with mullion		monitor pushpad
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	EL Electric latch retraction	ALK Alarm exit kit
Mechanism case dimensions	2 ¹ /4" x 2 ¹ /4" (57mm x 57mm)	Enables remote unlatching	Unauthorized opening triggers 85-decibel horn
Projection	Pushbar neutral – 3 ¹³ /16" (97 mm) Pushbar depressed – 3 ¹ /16" (78 mm)	Alternative to manual dogging	 Set in armed or disarmed mode by key
Latch bolt	Deadlocking, ¾ (19mm) throw		
Fasteners & sex bolts (SNB)	Includes screw pack for $1^{3}/_{4}$ " (44mm) and $2^{3}/_{4}$ " (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 11 for quantities.	QEL Quiet electric latch retraction • Bolt retraction via	CX Chexit delayed exit • Meets NFPA 101
Electric options	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trim	switch • Converts exit door to push-pull operation	requirements • Self-contained controls, locking, alarm
Mechanical options	ELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect-2Double cylinderAXAccessible device	AX Accessible device • UL certified to meet new 5 lb. maximum operating force requirement • Exceeds ANSI/ BHMA requirements	SG Safety glow • Shows exit door location in darkness or smoke • Developed to meet MEA standards
	GBKGlass bead kitPNPneumatic latch retractionXPExtra protectionSNBSex boltsSECSecurity screwsSLMSpecial Laminate Material Blocking	PN Pneumatic latch retraction • For areas where electrical devices	CON Allegion Connectors • Common connectors to
Dogging option	No mechanical dogging. EL and QEL option available	• Special linkage	connect various door hardware all

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

	L Lever Key locks & unlocks	L-NL Lever – night latch Key retracts latchbolt	L-BE	L-DT
Product description	98L-F 99L-F	98L-NL-F 99L-NL-F	98L-BE-F 99L-BE-F	98L-DT-F 99L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	_	-	-	-
Projection	2 ⁷ / ₈ " (73mm)			
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. 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 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- strike contact Device centerline 39"/~" (1001 mm) 90' latch-to- strike contact 90' latch-to- strike contact Genter case 8" x 2'/." x 2'/." (27mm x 70mm x 60mm) 90' latch-to- strike contact 90' latch-to- strike contact Mechanism case 2'/." x 2'/." (57mm x 57mm) 90' latch-to- strike contact 90' latch-to- strike contact Projection Pushbar neutral – 3"/." (97 mm) Pushbar depressed – 3/." (78 mm) 90' latch-to- strike converts exit door to push-pull operation Electric options LX-LC Latchbolt monitor switch, low current RX Pushpad monitor switch, ee page 13 for quantities. 90' latch-to- strike converts exit door to push-pull operation Lectric options LX-LC Latchbolt monitor switch, RX Pushpad monitor switch RX Duble pushpad monitor switch E Electric latch retraction CX Chexit delayed exit ALK A caressible device GBK Glass bead kit SNB Sex bolts 90b' latch-to- straction Dogging feature Dogging options CD C Vinder dogging CDS C Spicinder dogging with security indicator HDS L Less dogging D D Dogging indicator CI C Vinder dogging indicator CON Allegion connector stor connect various door hardware all the way to the way to the 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 latch tetractionMechanism case dimensions2'/." x 2'/." (57mm x 57mm) (97 mm) Pushbar depressed - 3'/." (97 mm) 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 ¹ /s ¹ (19 mm) Pushbar depressed – 3 ¹ /s ¹ (178 mm) Converts exit Latch bolt Deadlocking, ³ /s ¹ (19mm) throw Fasteners & sex Includes screw pack for 1 ³ /s ¹ (44mm) and 2 ¹ /s ¹ (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 ¹ /4" x 2 ¹ /4" (57mm x 57mm)	Bolt retraction via	
Laterbolt Deadlocking, 74 (19thin) throw Fasteners & sex bolts (SNB) Includes screw pack for 1³/4" (44mm) and 21/4" (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 Pushpad monitor switch RX2 Ouble pushpad monitor switch Electric options LX-LC Latchbolt monitor switch RX2 Double pushpad monitor switch Meets NFPA 101 requirements 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 Electric latch retraction Mechanical options -2 Double cylinder (specify handing) AX Accessible device GBK Glass bead kit Dogging feature Hex key dogging standard CD Cylinder dogging Con Connectors Dogging options CD Cylinder dogging with security indicator SD Special center case dogging (specify handing) Con connectors to connectors to connectors to connectors to connect various door hardware all the way to the power supply	Projection	Pushbar depressed – 3 ¹ /16" (78 mm)	Converts exit door to push-pull	
bolts (SNB)metal or wood doors. Optional 425 SNB available, see page 13 for quantities.CAElectric optionsLX-LCLatchbolt monitor switch, low current RXPushpad monitor switch, low current RX2Meets NFPA 101 requirementsRXPushpad monitor switch EElectric locking & unlocking trim ELSelf-contained controls, locking, alarmMeets NFPA 101 requirementsELElectric locking & unlocking trim ELElectric latch retraction QELQuiet electric latch retraction CXChexit delayed exitMechanical options-2Double cylinder (specify handing) AXAccessible device GBKElectric latch retractionDogging feature Dogging optionsHex key dogging standard CDCON Cylinder dogging CDSICON Cylinder dogging with security indicator HDSIAllegion connect or connect various door hardware all the way to the connect or sto connect various door hardware all the way to the power supply	Latch bolt	Deadlocking, 3/4" (19mm) throw	operation	
RXPushpad monitor switch RX2Double pushpad monitor switch RX2Pushpad monitor switch requirementsRX2Double pushpad monitor switch EElectric locking & unlocking trim ELSelf-contained controls, locking, alarmELElectric latch retraction QEL QUiet electric latch retraction CXChexit delayed exit ALK Alarm exit kitELMechanical options-2Double cylinder (specify handing) AX Accessible device GBK Glass bead kit SNB Sec boltsELDogging feature Dogging optionsHex key dogging standard CDCD Cylinder dogging with security indicator HDSI LD Less dogging DI Dogging indicatorCON Allegion Connector		metal or wood doors. Optional 425 SNB available,	Chexit delayed	
WP-RXWaterproof request to exit CONAllegion ConnectElectric latch retractionMechanical options-2Double cylinder (specify handing) AXAccessible device GBKElectric latch retractionMechanical options-2Double cylinder (specify handing) AXAccessible device GBKElectric latch retractionMechanical options-2Double cylinder (specify handing) GBKAlternative to manual doggingDogging feature Dogging optionsHex key dogging standard CDCDCylinder dogging CDSICVDogging optionsCDCylinder dogging with security indicator HDSIHex dogging with security indicator SDSpecial center case dogging (specify handing) LDConnect various door hardware all the way to the power supply	Electric options	RXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retraction	requirementsSelf-contained controls, locking,	
optionsAXAccessible deviceunlatchingGBKGlass bead kit· Alternative to manual doggingSNBSex boltsSECSecurity screwsDogging featureHex key dogging standardDogging optionsCDCDCylinder dogging CDSICDSICylinder dogging with security indicator HDSIHex dogging with security indicatorSDSpecial center case dogging (specify handing) LDLDLess dogging DIDogging indicatorCICylinder dogging indicator		WP-RX Waterproof request to exit	Electric latch	
Dogging optionsCDCylinder dogging CDSIAllegion ConnectorsCDSICylinder dogging with security indicator HDSIHex dogging with security indicator SD· Common connectors to connectors to connectors to connect various door hardware all the way to the power supply		AX Accessible device GBK Glass bead kit SNB Sex bolts	unlatching • Alternative to	
Dogging optionsCDCylinder dogging CDSIAllegion ConnectorsCDSICylinder dogging with security indicator- ConnectorsHDSIHex dogging with security indicator- Common connectors to 	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 Connectors • Common connectors to connect various door hardware all 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 1¹/₄"

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

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	XP98L XP99L	XP98L-NL XP99L-NL	XP98L-BE XP99L-BE	XP98L-DT XP99L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	—
Projection	2 ⁷ /8" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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- 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 of 2,000+ lbs.
Device centerline from finished floor	39 ¹³ /1 ₆ " (1011 mm) 39 ¹³ /1 ₆ " (1008 mm) with mullion	
Center case dimensions	8" x 2 ³ / ₄ " x2 ³ / ₈ " (203mm x 70mm x 60mm)	EL Electric latch
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	 retraction Enables remote unlatching
Projection	Pushbar neutral – 3 ¹³ /16" (97 mm) Pushbar depressed – 3 ¹ /16" (78 mm)	Alternative to manual dogging
Latch bolt	Deadlocking, 3/4" (19mm) throw	
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 15 for quantities.	QEL Quiet electric latch retraction • Bolt retraction via
Electric options	LX-LCLatchbolt monitor switch, low currentRXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trim	switch • Converts exit door to push-pull 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 Accessible device • UL certified to meet new 5 lb. maximum operating force requirement
Mechanical options	 -2 Double cylinder (specify handing) AX Accessible device GBK Glass bead kit SNB Sex bolts 	• Exceeds ANSI/ BHMA requirements
	SECSecurity screwsSLMSpecial Laminate Material Blocking	CON Allegion
Dogging option	No mechanical dogging. EL and QEL option available	Connectors
Strikes	909 – Dull black, fire rated single doors 954 – Dull black, fire rated double doors	Common connectors to 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 No outside trim Exit only	DT Dummy trim Pull when dogged (not recommended for fire device)	NL Night latch Key retracts latchbolt	NL-OP Night latch Key retracts latchbolt optional pull required
Product description	XP98EO-F XP99EO-F	XP98DT-F XP99DT-F	XP98NL-F XP99NL-F	XP98NL-OP-F XP99NL-OP-F
Trim description	-	990DT	990NL-R/V	110NL-MD 110NL-WD
Escutcheon plate size	-	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	-
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	-
Projection	-	2" (51mm)	2" (51mm)	-
ANSI function	01	02	03	03
Cylinder type	-	-	Rim	Rim
Handing	-	-	-	-
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. w/ 954F	2	2	2	2

	L Lever Key locks & unlocks	L-NL Lever – night latch Key retracts latchbolt	L-BE	L-DT
Product description	XP98L-F XP99L-F	XP98L-NL-F XP99L-NL-F	XP98L-BE-F XP99L-BE-F	XP98L-DT-F XP99L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	-	-	-
Projection	2 ⁷ / ₈ " (73mm)			
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM pkg.	2 (if using trim)	2	2	2
#425 SNB req. 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 ³/₄" (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 latch retraction • 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 Converts exit
Device centerline from finished floor	39 [™] /16" (1011 mm) 39 [™] /16" (1008 mm) with mullion	door to push-pull operation
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	CX Chexit delayed
Mechanism case dimensions	2¼" x 2¼" (57mm x 57mm)	exit • Meets NFPA 101
Projection	Pushbar neutral – 3 ¹³ / ₁₆ " (97 mm) Pushbar depressed – 3 ¹ / ₁₆ " (78 mm)	 Self-contained controls, locking,
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) and 2 ¹ / ₄ " (57mm) thick metal or wood doors. Optional 425 SNB available, see page 17 for quantities.	alarm EL
Electric options	RXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch	Electric latch retraction • Enables remote unlatching • Alternative to manual dogging
	CXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect	E (E7500) Electric mortise lock device
Mechanical options	-2Double cylinderGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screws	Remains latched while unlocked Remote electrical control
Dogging feature	Hex key dogging standard	
Dogging option	CDCylinder doggingSDSpecial center case doggingLDLess doggingDIDogging indicatorCICylinder dogging indicator	PN Pneumatic latch retraction • For areas where electrical devices banned
Strikes	575 – Dull Black	Special linkage for mechanical or



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



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

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9875L 9975L	9875L-NL 9975L-NL	9875L-BE 9975L-BE	9875L-DT 9975L-DT
Trim description	996L-M*	996L-NL-M	996L-BE-M*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	—	—	—
Projection	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)
ANSI function	08	03	14	02
Cylinder type	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	—	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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 ³/₄" (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 latch retraction • 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 • Converts exit
Device centerline from finished floor	39 [™] /™" (1011 mm) 39 [™] /™" (1008 mm) with mullion	door to push-pull operation
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	CX Chexit delayed
Mechanism case dimensions	2¼" x 2¼" (57mm x 57mm)	• Meets NFPA 101
Projection	Pushbar neutral – $3^{13}/_{16}$ " (97 mm) Pushbar depressed – $3^{1}/_{16}$ " (78 mm)	 Self-contained controls, locking,
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ /4" (44mm) and 2 ¹ /4" (57mm) thick metal or wood doors. Optional 425 SNB available for metal doors. 425 & 825 SNB required on wood doors without SLM blocking. See page 19 for quantities.	alarm EL Electric latch
Electric options	RXPushpad monitor switchRX2Double pushpad monitor switchEElectric locking & unlocking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch	retraction • Enables remote unlatching • Alternative to manual dogging
	CXChexit delayed exitALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect	E (E7500) Electric mortise lock device
Mechanical options	-2Double cylinderGBKGlass bead kitPNPneumatic latch retractionSNBSex boltsSECSecurity screws	Remains latched while unlocked Remote electrical 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 No outside trim Exit only	DT Dummy trim Pull when dogged (not recommended for fire device)	NL Night latch Key retracts latchbolt	HL Final State Hospital latch Key locks & unlocks
Product description	9875EO-F 9975EO-F	-	9875NL-F 9975NL-F	9875HL-F 9975HL-F
Trim description	-	990DT	990NL-M	HL6M
Escutcheon plate size	-	3" x 14³/16" x ³/32" (76x360x2mm)	3" x 14³/16" x ³/32" (76x360x2mm)	2°/₁₅" x 5¹/₂" x 2⁵/₅" (65x140x67mm)
Pull center to center	-	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (140mm)	-
Projection	-	2" (51mm)	2" (51mm)	2⁵⁄₀" (67mm)
ANSI function	01	02	03	—
Cylinder type	-	-	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise
Handing				
Optional trim	x990EO x996EO	x996K-DT x996L-DT) x696DT x697DT	x996K-NL x996L-NL x696NL x697NL	
Optional #425 SNB quantity for device	6	2	2	2

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged (not recommended for fire device)
Product description	9875L-F 9975L-F	9875L-NL-F 9975L-NL-F	9875L-BE-F 9975L-BE-F	_ _
Trim description	996L-M*	996L-NL-M	996L-BE-M*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	-	-	-
Projection	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₀" (73mm)	2 ⁷ /₀" (73mm)
ANSI function	08	03	14	02
Cylinder type	1 ¹ / ₄ " Mortise	1 ¹ / ₄ " Mortise	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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 Botte	- 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 ¹ /4" x 2 ¹ /4" (57mm x 57mm)	certified/tested	• Sig
dimensions		FEMA and ICC compliant	• SP
Projection	Pushbar neutral – 3 ¹³ /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 Oviet electric	CON
Top & bottom	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm)	Quiet electric latch retraction	Alle 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 ¹⁵ /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 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (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 by
	QEL Quiet electric latch retraction		Dy
	SS Signal switch	E (E996L)	CX
	CX Chexit delayed exit		
	ALK Alarm exit kit	Electrified 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 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 - 299 – Dull black, Bottom – 248L4 & 304L - Unfinished		
pini o o o o cinco			

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 No outside trim Exit only	DT Dummy trim Pull when dogged	NL Night latch Key retracts latchbolt	NL-OP	TL	TL-BE
Product description	9827EO 9927EO	9827DT 9927DT	9827NL 9927NL	9827NL-OP 9927NL-OP	9827TL 9927TL	9827TL-BE 9927TL-BE
Trim description	-	990DT	990NL-R/V	110NL-MD 110NL-WD	374T X 990DT	374T-BE X 990DT
Escutcheon plate size	_	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	_	1 ¹¹ / ₁₆ " x 7 ¹ / ₂ " x ⁷ / ₈ " (43x191x22mm)	1 ¹¹ / ₁₆ " x 7 ¹ / ₂ " x ⁷ / ₈ " (43x191x22mm)
Pull center to center	—	5 ¹ / ₂ " (140mm)	5 ¹ / ₂ " (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 ¹ / ₄ " Mortise	-
Handing		-	_	_	_	_
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9827L 9927L	9827L-NL 9927L-NL	9827L-BE 9927L-BE	9827L-DT 9927L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	—	—	—	-
Projection	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₀" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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	Pushpad monitor
Device centerline	39⁵⁄₃" (1006 mm)	Severe weather	switch
from finished floor		certified/tested	 Signals use of an
Center case	8" x 2 ³ / ₄ " x2 ³ / ₈ " (203mm x 70mm x 60mm)	FEMA and ICC	opening
dimensions		compliant	SPDT switch to
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	Tornado &	monitor pushpad
dimensions		hurricane tested	
Projection	Pushbar neutral – 3 ¹³ /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 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 ¹⁵ /16" (887mm); Bottom rod length:		
	31 ¹ / ₂ " (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 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (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	 Self-contained
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
	QEL 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	 For areas where 	Common
	SNB Sex bolts	electrical devices	connectors to
	SEC Security screws	banned	connect various door hardware all
	SLM Special laminate material blocking	Special linkage	the way to the
	SLIVI Special laminate material blocking		
	AX Accessible device (LBR only)	for mechanical or	power supply
Dogging option		pneumatic dogging	



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

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

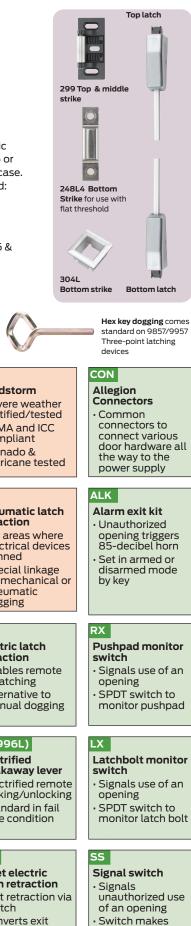
9857/9957 Three-point latching device



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 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 Center case	01,237	" x2³/₅" (203mm x 70mm x 60mm)	WS
dimensions	0" X Z 7 4		Windstorm
Mechanism case	2 ¹ / ₄ " x 2 ¹	/₄" (57mm x 57mm)	Severe weather
dimensions			certified/tested
Projection	Pushbar	neutral – 3 ¹³ /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, ³ / ₄ " (19mm) throw	hurricane tested
Door undercut		n) recommended	
Top & bottom	$4^{1}/_{2}$ x 2 ¹		PN
Latch case			Pneumatic latch
Vertical rods		re tubing, standard rods accommodate 7' (2134mm)	retraction
	doors. To	op rod length: 34 ¹⁵ /16" (887mm); Bottom rod length:	 For areas where
		94mm) Extension rods available in 1' (205mm) or 3'	electrical devices 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. 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	 retraction Enables remote
	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 Allegion Connect	E (E996L)
Mechanical	GBK	Glass bead kit	Electrified
options	PN	Pneumatic latch retraction	breakaway lever
options	PL	Pullman latch	Electrified remote 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 DI	Less dogging Dogging indicator	latch retraction
		Cylinder dogging indicator	Bolt retraction via
Strikes		iddle – 299 - Dull black	switch • Converts exit
		– 248L4 & 304L - Unfinished	door to push-pull
			a section



latch bolt

tamper-resistant

operation

Standard trim

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

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

* Electrified lever operation available

Notes

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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 ¹³ / ₁₆ " (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 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	dogging	
dimensions			
Projection	Pushbar neutral – 3 ¹³ /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, ³ / ₄ " (19mm) throw	Enables remote	Bolt retraction via
Door undercut	1/4" (7mm) recommended	unlatching	switch
Top & bottom	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (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 ¹⁵ / ₁₆ " (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	 Self-contained
	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	 Unauthorized 	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 door hardware all
Dogging option	No mechanical dogging. EL and QEL option available	disarmed mode by key	the way to the
Strikes	Top & middle – 299 - Dull black	Dy Ney	power supply
	Bottom – 304L - Unfinished		



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

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

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 ⁵ / ⁸ " (1006 mm) Standard	latch retraction
from finished floor	Adjustable from 35 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	Bolt retraction via
Center case	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	switch
dimensions		Converts exit
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	door to push-pull
dimensions		operation
Projection	Pushbar neutral – 3 ¹³ /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	¹ / ₄ " (7mm) recommended	- exit
Top & bottom	4 ¹ / ₂ " x 2 ¹ / ₈ " x 1 ¹ / ₂ " (114mm x 54mm x 38mm)	 Meets NFPA 101 requirements
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 ⁵ / ₈ "	alarm
	(905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for	
	doors over 8'4" (2533mm).	
Fasteners & sex	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (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	 Alternative to manual dogging
	EL Electric latch retraction	mandat dogging
	QEL Quiet electric latch retraction	
	SS Signal switch	E (E996L)
	CX Chexit delayed exit	
	ALK Alarm exit kit	Electrified 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	 Special linkage
Chilling	CI Cylinder dogging indicator	for mechanical or
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	pneumatic 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
	No outside trim Exit only	Dummy trim Pull when dogged (not recommended for fire device)	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product description	9847EO 9947EO	9847DT 9947DT	9847NL 9947NL	9847NL-OP 9947NL-OP	9847TL 9947TL	9847TL-BE 9947TL-BE
Trim description	-	990DT	990NL-R/V	110NL-MD	376T X 990DT	374T-BE X 990DT
Escutcheon plate size	_	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	_	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	5 ¹ / ₂ " (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 ¹ / ₄ " Mortise	-
Handing	-	—	_	_	—	_
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9847L 9947LF	9847L-NL 9947L-NL	9847L-BE 9947L-BE	9847L-DT 9947L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	-	-	-
Projection	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /8" (73mm)	2 ⁷ /₃" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	—
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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 Pneumatic latch	RG 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 electrical devices banned	Protection from carts/gurneys Eases wheelchair access
Device centerline from finished floor	39 ⁵ /8" (1006 mm) Standard Adjustable from 35 ⁵ /8" (905mm) to 49 ⁵ /8" (1260mm)	Special linkage for mechanical or	access
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	pneumatic dogging	
Mechanism case dimensions	2¼ x 2¼ (57mm x 57mm)	EL	QEL
Projection	Pushbar neutral – 3 ¹³ /16" (97 mm) Pushbar depressed – 3 ¹ /16" (78 mm)	Electric latch retraction • Enables remote	Quiet electric latch retraction • 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 Latch case	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (95mm x 38mm x 25mm)		operation
Vertical rods Fasteners & sex	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm). Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick	E (E996L) Electrified breakaway lever • Electrified remote locking/unlocking	LX Latchbolt monitor switch • Signals use of an 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 Pushpad monitor switch • Signals use of an opening • SPDT switch to monitor pushpad	CX Chexit delayed exit • Meets NFPA 101 requirements • Self-contained controls, locking, alarm
Mechanical options	CONAllegion ConnectLBRLess bottom rodPNPneumatic latch retractionGBKGlass bead kitSNBSex boltsSECSecurity screwsSLMSpecial laminate material blocking	ALK Alarm exit kit • Unauthorized opening triggers 85-decibel horn • Set in armed or disarmed mode	CON Allegion Connectors • Common connectors to connect various door hardware all the way to the
Dogging option	No mechanical dogging. EL and QEL option available	by key	power supply
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished		

Standard trim

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

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9847L-F 9947L-F	9847L-NL-F 9947L-NL-F	9847L-BE-F 9947L-BE-F	_ _
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	-	-	-
Projection	2 ⁷ /8" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD 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 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	Chexit delayed
Center case	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	exit
dimensions		Meets NFPA 101
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	requirements
dimensions		 Self-contained controls, locking,
Projection	Pushbar neutral – 3 ¹³ /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	³ / ₄ " (19mm) maximum, more than ¹ / ₄ " minimum	retraction
Top & bottom	4 ¹ / ₄ " x 1 ¹ / ₂ " x 1 ¹ / ₈ " (107mm x 38mm x 28mm)	Enables remote
Latch case		unlatching Alternative to
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 ⁵ / ₈ "	
	(905 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 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (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 switch
	LX Latchbolt monitor switch	Bolt retraction via
	LXLatchbolt monitor switchRXPushpad monitor switch	 Bolt retraction via switch Converts exit
	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switch	 Bolt retraction via switch Converts exit door to push-pull operation
	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trim	 Bolt retraction via switch Converts exit door to push-pull
	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switch	 Bolt retraction via switch Converts exit door to push-pull operation E (E996L) Electrified
	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exit	 Bolt retraction via switch Converts exit door to push-pull operation E (E996L) Electrified breakaway lever
	LXLatchbolt monitor switchRXPushpad monitor switchRX2Double pushpad monitor switchEElectric unlocking and locking trimELElectric latch retractionQELQuiet electric latch retractionSSSignal switchCXChexit delayed exitALKAlarm exit kit	 Bolt retraction via switch Converts exit door to push-pull operation E (E996L) Electrified breakaway lever Electrified remote
	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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking
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	 Bolt retraction via switch Converts exit door to push-pull operation E (E996L) Electrified breakaway lever Electrified remote
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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail
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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail
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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition
Electric options Mechanical 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition
Electric options Mechanical options 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition PN Pneumatic latch
Electric options Mechanical 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition PN Pneumatic latch retraction
Electric options Mechanical options 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition PN Pneumatic latch
Electric options Mechanical options 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition PN Pneumatic latch retraction For areas where
Electric options Mechanical options 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition PN Pneumatic latch retraction For areas where electrical devices banned Special linkage
Electric options Mechanical options 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	 Bolt retraction via switch Converts exit door to push-pull operation E(E996L) Electrified breakaway lever Electrified remote locking/unlocking Standard in fail safe condition Standard in fail safe condition PN Pneumatic latch retraction For areas where electrical devices banned



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

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9848L 9948LF	9848L-NL 9948L-NL	9848L-BE 9948L-BE	9848L-DT 9948L-DT
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	-	-	-
Projection	2 ⁷ /₃" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₀" (73mm)	2 ⁷ /₀" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	_	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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 85-decibel horn
	4' 2'10" to 4' (864 mm to 1219 mm) Door size	Self-contained	Set in armed or
Device centerline	39 ⁵ /₀" (1006 mm) Standard	controls, locking,	disarmed mode
from finished floor	Adjustable from 35 ⁵ /8" (905mm) to 49 ⁵ /8" (1260mm)	alarm	by key
Center case	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)		
dimensions		EL	SS
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	Electric latch	Signal switch
dimensions		retraction	Signals
Projection	Pushbar neutral – 3 ¹³ /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 ¹ / ₂ " (38mm) throw	manual dogging	latch bolt tamper-resistant
Door undercut	³ / ₄ " (19mm) maximum, more than ¹ / ₄ " minimum		
Top & bottom	4 ¹ / ₄ " x 1 ¹ / ₂ " x 1 ¹ / ₈ " (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 ⁵ / ₈ "	Bolt retraction via	 Signals use of an
	(2027) (2027) (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 breakaway lever	switch
	RX2 Double pushpad monitor switch E Electric unlocking and locking trim	Electrified remote	Signals use of an
	E Electric unlocking and locking trim 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 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 power supply
Dogging option		pneumatic	power supply
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished	dogging	

Standard trim

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

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

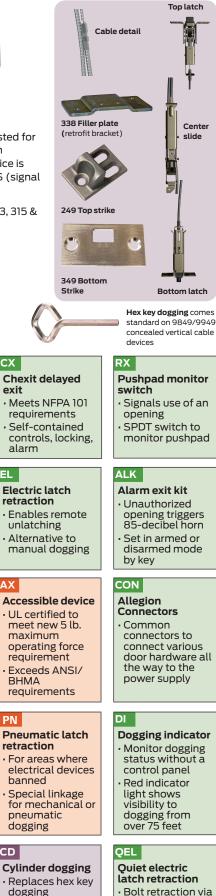
Finishes - US3, US3A, US4, US4A, US10, US26, US26D, US26D-AM Antimicrobial, US28, 313, 315 & 643E. US15 and US32D available with 98 Series only.

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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 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)				
dimensions					
Projection	Pushbar neutral – 3 ¹³ /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 ³ / ₄ " undercut)				
Top & bottom		$/_{4}$ x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)			
latch case					
Vertical cable	⁷ / ₃₂ " (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 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 - 24 9	9 – 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





СХ

EL

AX

CD

Requires

standard 11/4"

mortise cylinder

Converts exit door to push-pull operation

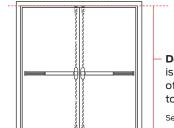
Standard trim	Standard trim					
	EO	DT	NL	NL-OP		
	No outside trim Exit only	Dummy trim Pull when dogged	Night latch Key retracts latchbolt	Key retracts latchbolt optional pull required		
Product description	9849EO 9949EO	9849DT 9949DT	9849NL 9949NL	9849NL-OP 9949NL-OP		
Trim description	-	990DT	990NL-R/V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

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

* Electrified lever operation available

Nominal door opening height		Top cable 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

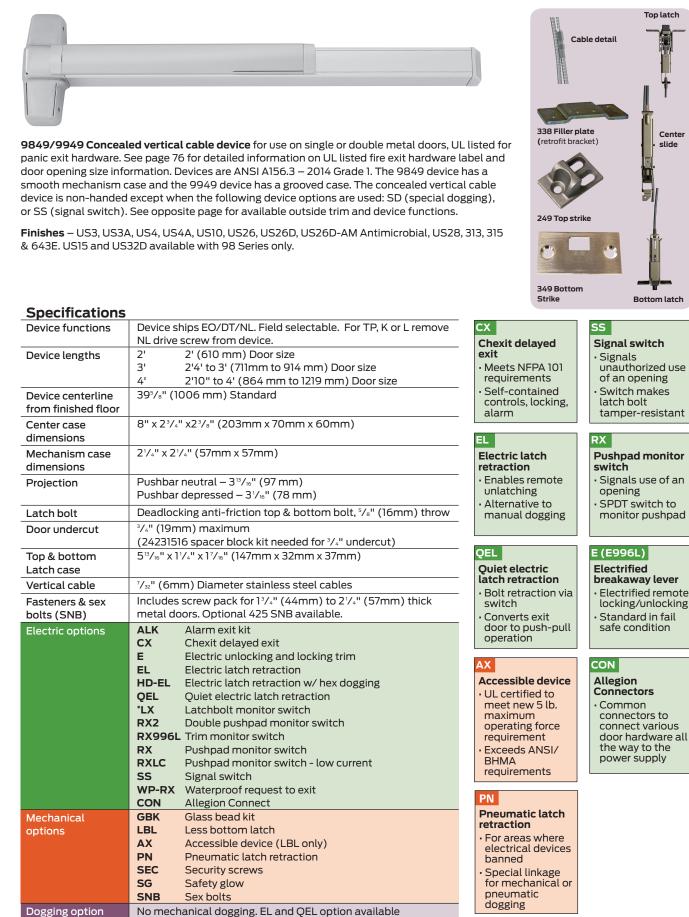
*Default door opening height. Specify door opening height if other than the default. For door heights less than 6'0" and greater than 10', contact our Customer Care department to discuss your specific application needs.



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

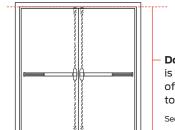
Standard trim	Standard trim					
	EO No outside trim Exit only	DT Dummy trim Pull when dogged (not recommended for fire device)	NL Night latch Key retracts latchbolt	NL-OP		
Product description	9849EO-F 9949EO-F		9849NL-F 9949NL-F	9849NL-OP-F 9949NL-OP-F		
Trim description	-	990DT	990NL-R/V	110NL-MD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

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

* Electrified lever operation available

Nominal door opening height		Top cable 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.

1 mones 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 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 ⁵ / ₈ " (905mm) to 49 ⁵ / ₈ " (1260mm)	СХ	ALK
Center case	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	Chexit delayed	Alarm exit kit
dimensions		exit	 Unauthorized
Mechanism case	2'/4" x 2'/4" (57mm x 57mm)	Meets NFPA 101	opening triggers 85-decibel horn
dimensions		requirements Self-contained 	Set in armed or
Projection	Pushbar neutral – 3 ¹³ /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 Electric lotab	PL Dullman latah
Top & bottom	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (95mm x 38mm x 25mm)	Electric latch retraction	Pullman latch
Latch case		Enables remote	 Not for use with Fire Exit
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8"	unlatching	Hardware
	(2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 ⁵ /8"	Alternative to	
	(905 mm) to 49 ⁵ /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 latch retraction	Latchbolt monitor 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 CX Chexit delayed exit		
	ALK Alarm exit kit	Electrified breakaway lever	Pushpad monitor 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 retraction	Allegion 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	 Special linkage for mechanical or 	door hardware all the way to the
	CI Cylinder dogging indicator		power supply
	Top – 338 - Unfinished, Bottom – 385A - Unfinished	pneumatic	porto. copp.j

Standard trim

	EO	DT	NL	NL-OP	TL	TL-BE
	No outside trim Exit only	Dummy trim Pull when dogged	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (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 990DT	376TWDC-BE x 990DT
Escutcheon plate size	_	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	3" x 14 ¹³ / ₁₆ " x ³ / ₃₂ " (76x360x2mm)	_	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	5 ¹ / ₂ " (140mm)	5 ¹ / 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 ¹ / ₄ " Mortise	-
Handing	-	—	—	—	-	-
Optional trim	x990EO x996EO	x996K-DT x996L-DT x696DT x697DT	x996K-NL x996L-NL x696NL x697NL			
Optional #425 SNB quantity for device	6	2	2	6	2	2

	L	L-NL	L-BE	L-DT	
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged	
Product description	9847WDC-L 9947WDC-L	9847WDC-L-NL 9947WDC-L-NL	9847WDC-L-BE 9947WDC-L-BE	9847WDC-L-DT 9947WDC-L-DT	
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT	
Escutcheon plate size	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	
Pull center to center	—	-	—	—	
Projection	2 ⁷ /8" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₀" (73mm)	2 ⁷ /₀" (73mm)	
ANSI function	08	03	14	02	
Cylinder type	Rim	Rim	-	-	
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible	
Optional #425 SNB 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 Chexit delayed	ALK Alarm exit kit
Device lengths Device centerline 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 ⁵ / ₈ " (1006 mm) Standard	 Neets NFPA 101 requirements Self-contained controls, locking, alarm 	Unauthorized opening triggers 85-decibel horn Set in armed or disarmed mode by key
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	EL	LX
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	Electric latch retraction	Latchbolt monito switch
Projection	Pushbar neutral $-3^{13}/_{16}$ " (97 mm) Pushbar depressed $-3^{1}/_{16}$ " (78 mm)	 Enables remote unlatching Alternative to 	 Signals use of an opening SPDT switch to
Latch bolt	Deadlocking top & bottom bolt, 5/8" (16mm) throw	manual dogging	monitor latch bol
Door undercut	1/4" (7mm) maximum		
Top & bottom Latch case	3 ³ / ₄ " x 1 ¹ / ₂ " x 1" (95mm x 38mm x 25mm)	QEL Quiet electric	RX Pushpad monitor
Vertical rods	Round 2-piece adjustable rods – Top rod adjustable from 6'8" (2027mm) to 8'4"(2533mm). Bottom rod adjustable 35 ⁵ / ₈ " (905 mm) to 49 ⁵ / ₈ " (1260 mm). Extension rod kits available for doors over 8'4" (2533mm).	Idatch retraction Bolt retraction via switch Converts exit door to push-pull	 Signals use of an opening SPDT switch to monitor pushpad
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (57mm) thick wood doors. 425 SNB required on wood doors without SLM 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) Electrified breakaway lever • Electrified remote locking/unlocking • Standard in fail safe condition	CON Allegion Connectors - Common connectors to connect various door hardware all the way to the power supply
	ALKAlarm exit kitWP-RXWaterproof request to exitCONAllegion Connect	PN Pneumatic latch retraction	
Mechanical options	GBKGlass bead kitPNPneumatic latch retractionPLPullman latchLBRLess bottom rodSNBSex boltsSECSecurity screws	 For areas where electrical devices banned Special linkage for mechanical or pneumatic 	
Dogging option	No mechanical dogging. EL and QEL option available	dogging	
Strikes	Top – 338 - Unfinished, Bottom – 385A - Unfinished		



Top Latch

Bottom Latch

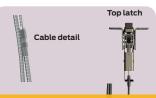
	EO	DT	NL	NL-OP	TL	TL-BE
	No outside trim Exit only	Dummy trim Pull when dogged	Night latch Key retracts latchbolt	Night latch Key retracts latchbolt optional pull required	Thumbturn Key locks & unlocks (use with DT trim)	Thumbturn Blank escutcheon always operable (no cylinder) (use with DT trim)
Product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

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged
Product description	9847WDC-L-F 9947WDC-L-F	9847WDC-L-NL-F 9947WDC-L-NL-F	9847WDC-L-BE-F 9947WDC-L-BE-F	9847WDC-L-DT-F 9947WDC-L-DT-F
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ /4" x 10 ³ /4" x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	-	-	-
Projection	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₅" (73mm)	2 ⁷ /8" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	-
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
#425 SNB optional - HMD req. WD 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 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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 ¹³ /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 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)		
Latch case		Electric latch retraction	Pushpad monitor switch
Vertical cables	⁷ / ₃₂ " (6mm) Diameter stainless steel cables	Enables remote	Signals use of an
Fasteners & sex	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (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 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		
	RXLC 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 Standard in fail 	connectors to 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 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	 Special linkage 	*For 98/9949 devices, LX swite monitors trim input or electric
Strikes	CI Cylinder dogging indicator 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

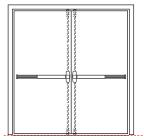
DT

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

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

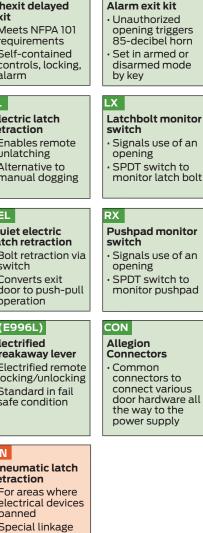
THIS PRODUCT IS OBSOLETE and has been replaced by the 98/9950 WDC.

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 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 • Meets NFPA 101 requirements</td> <td>Alarm exit kit • Unauthorized opening triggers 85-decibel horn • 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 • Meets NFPA 101 requirements	Alarm exit kit • Unauthorized opening triggers 85-decibel horn • Set in armed or
dimensions 2'/." x 2 /." (57mm x 57mm) Mechanism case dimensions 2'/." x 2 /." (57mm x 57mm) Projection Pushbar neutral – 3''/-" (97 mm) 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 blocking. Soft retraction via switch Electric options ALK Alarm exit kit Converts exit door to push-pui options Signals u opening vood doors. 425 SNB required on wood doors without SLM blocking. Soft retraction via switch FL Electric latch retraction to x X Converts exit door to push-pui operation Signals u opening switch NDEL Electric latch retraction w/n kex dogging QEL Quiet electric latch retraction Soft retraction NLX Latchobot monitor switch RX Pushpad monitor switch RX Pushpad monitor switch RX Soft retraction RX Pushpad monitor switch RX Soft fast glow SSS	from finished floor			disarmed mode by key
Mechanism case dimensions 2'/." x 2'/." (57mm x 57mm) Latch bolt Projection Pushbar neutral – 3"/-" (97 mm) Pushbar depressed – 3'/-" (78 mm) Electric latch retraction : nables remote unlatching : Signals u opening Latch bolt Deadlocking top & bottom bolt, 1'/." (38mm) throw : Alternative to manual dogging : Signals u 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 wood doors. 425 SNB required on wood doors without SLM blocking. : Solt retraction switch : Solt retraction opening : Signals u 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 ¹ /4" x 2 ¹ /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 bolts (SNB) Includes screw pack for 1½," (44mm) to 2½," (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking. Includes screw pack for 1½," (44mm) to 2½," (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking. Includes screw pack for 1½," (44mm) to 2½," (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking. Includes screw pack for 1½," (44mm) to 2½," (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking. Includes screw pack for 1½," (44mm) to 2½," (57mm) thick wood doors. 425 SNB required on wood doors without SLM blocking. Electric options ALK Alarm exit kit Sport Bolt retraction wood doors using and locking trim EL Electric latch retraction FL CA Chexit delayed exit E Electric latch retraction QEL Quiet electric latch retraction Fige Spol Electrified breakaway lever Electrified remote locking/unlocking • Conmor connect or door hard the way to power su Mechanical options GBK Glass bead kit LBL Less bottom latch PN Pneumatic latch retraction SLM For areas where electrical devices banned • Special linkage for mechanical or pneumatic Sogging option No mechanical dogging. EL and QEL option available • Special linkage for mechanical or pneumatic • Special linkage for mechanical or pneumatic		5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (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 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 operation E(E996L) Electrified breakaway lever • Electrified remote locking/unlocking • 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 retraction • For areas where electrical devices banned • Special linkage for mechanical or pneumatic	
monitor latchbolt condition.	Strikes	Top – 249 - Unfinished, Bottom – 349 - 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.

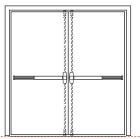
	See p	l3" × 143/3" ×3/3" ages 48-51 for more	3" x 14"%" x 3/5" e information.	
Projection		2" (51mm)	2" (51mm)	
ANSI function	01	02	03	03
Cylinder type	-	-	Rim	Rim
Handing	_	_	_	_

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

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

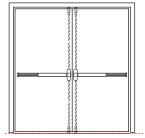
Specifications		450 Botto	om strike Bottom latch
Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove	Botta	Jan Strike Dottomaten
	NL drive screw from device.		Hex key dogging come
Device lengths	2' 2' (610 mm) Door size		standard on 9850/995
	3' 2'4' to 3' (711mm to 914 mm) 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 exit	Alarm exit kit
Mechanism case	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	• Meets NFPA 101	Unauthorized opening triggers
dimensions		requirements	85-decibel horn
Projection	Pushbar neutral – 3 ¹³ /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 / ₄ " (19mm) maximum		DY
Top & bottom	5 ¹³ / ₁₆ " x 1 ¹ / ₄ " x 1 ⁷ / ₁₆ " (147mm x 32mm x 37mm)	EL	RX
Latch case		Electric latch retraction	Pushpad monitor switch
Vertical cables	⁷ / ₃₂ " (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	 Signals use of an
		switch	opening
		Converts exit	SPDT switch to
	RX996L Trim monitor switch	door to push-pull 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 breakaway lever	Allegion 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 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 - 249 – Unfinished, Bottom – 450 - Unfinished	pneumatic dogging	devices. LX switch does no monitor latchbolt condition

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

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

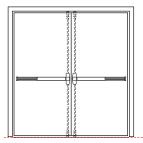
Device functions	Device ships EO/DT/NL. Field selectable. For TP, K or L remove NL drive screw from device.	CX	ALK
Device lengths	2' 2' (610 mm) Door size 3' 2'4' to 3' (711mm to 914 mm) Door size 4' 2'10" to 4' (864 mm to 1219 mm) Door size	Chexit delayed exit • Meets NFPA 101 requirements • Self-contained	Alarm exit kit • Unauthorized opening triggers 85-decibel horn • Set in armed or
Device centerline from finished floor	39⁵⁄₀" (1006 mm) Standard	controls, locking, alarm	disarmed mode by key
Center case dimensions	8" x 2³/₄" x2³/₅" (203mm x 70mm x 60mm)	EL	LX
Mechanism case dimensions	2 ¹ / ₄ " x 2 ¹ / ₄ " (57mm x 57mm)	Electric latch	Latchbolt monitor
Projection	Pushbar neutral – $3^{13}/_{16}$ " (97 mm) Pushbar depressed – $3^{1}/_{16}$ " (78 mm)	• Enables remote unlatching	 switch Signals use of an opening
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 Latch case	5 ¹³ /16" x 1 ¹ /4" x 1 ⁷ /16" (147mm x 32mm x 37mm)	QEL	RX
Vertical cables	⁷ / ₃₂ " (6mm) Diameter stainless steel cables	Quiet electric	Pushpad monitor
Fasteners & sex bolts (SNB)	Includes screw pack for 1 ³ / ₄ " (44mm) to 2 ¹ / ₄ " (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 • Converts exit door to push-pull operation E (E996L) Electrified breakaway lever • Electrified remote locking/unlocking • Standard in fail safe condition	opening • SPDT switch to monitor pushpad CON Allegion Connectors • Common connectors to connect various door hardware all the way to the power supply
Mechanical 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 Pneumatic latch retraction • For areas where electrical devices banned • Special linkage for mechanical or pneumatic dogging	
Dogging option Strikes	No mechanical dogging. EL and QEL option available Top – 249 - Unfinished, Bottom – 450 - Unfinished	*For 98/9950 devices, LX sw	
uprin 98/99 Series		electric dogging of EL/QEL de monitor latchbolt condition.	vices. LX switch does not

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

	L	L-NL	L-BE	L-DT
	Lever Key locks & unlocks	Lever – night latch Key retracts latchbolt	Lever – blank escutcheon Always operable (no cylinder)	Lever dummy trim pull when dogged (not recommended for fire device)
Product description	9850WDC-L-F 9950WDC-L-F	9850WDC-L-NL-F 9950WDC-L-NL-F	9850WDC-L-BE-F 9950WDC-L-BE-F	
Trim description	996L-R/V*	996L-NL-R/V	996L-BE-R/V*	996L-DT
Escutcheon plate size	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)	2 ³ / ₄ " x 10 ³ / ₄ " x ²⁷ / ₃₂ " (70x273x21mm)
Pull center to center	-	_	-	-
Projection	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)	2 ⁷ /₀" (73mm)	2 ⁷ /₃" (73mm)
ANSI function	08	03	14	02
Cylinder type	Rim	Rim	-	_
Handing	Handed/Reversible	Handed/Reversible	Handed/Reversible	Handed/Reversible
Optional #425 SNB 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	
	Knob Key locks & unlocks	Knob – night latch Key retracts latchbolt	Knob – blank escutcheon Always operable (no cylinder)	Knob – dummy trim Pull when dogged	Exit only plate	Thumbpiece Key locks & unlocks	blank escutcheon Always operable (no cylinder)	Exit only plate
Trim description	996K	996K-NL	996K-BE	996K-DT	996EO	990TP	990TP-BE	990EO
Escutcheon plate size	2³/4" x 10³/4" x ²ァ/₃²" (70x273x21mm)	2³/4" x 10³/4" x 27/32" (70x273x21mm)	2³/4" x 10³/4" x ²ァ/₃²" (70x273x21mm)	2³/4" x 10³/4" x ²ァ/₃²" (70x273x21mm)	2³/4" x 10³/4" x ²7/₃2" (70x273x21mm)		3" x 14³/16" x ³/32" (76x360x2mm)	
Pull center 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 function	08	09	14	02	01	05	14	14
Cylinder type								
Rim or vertical rod device	Rim	Rim	_	_	_	Rim	_	_
Mortise lock device	1¹¼″ Mortise	1¹¼″ Mortise			_	1¹∕₄" Mortise	_	_
Handing	_	_	_	_	_	_	_	_
#425 SNB optional- HMD req. WD w/o SLM pkg.	2	2	2	2	2	2	2	2
#825 SNB req. WD w/o SLM pkg F Rim device ONLY	2	2	2	2	2	2	2	2
#425 SNB req. w/499F	2	2	2	2	2	2	2	2

Optional trims – 696

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

Optional trims – 697

	DT Dummy trim Pull when dogged (not recomended for fire device)	NL (3) Night latch Key retracts latchbolt	TP (3/4" diameter pull) (19mm) Thumbpiece Key locks & unlocks	TP-BE (3/4" diameter pull) (19mm) Thumbpiece – blank escutcheon Always operable (no cylinder)
Trim description	697DT	697NL	697TP	697TP-BE
Escutcheon plate size	2³/₄" x 10³/₄" x ²ァ/₃₂" (70x273x21mm)	2³/4" x 10³/4" x ²ァ/₃²" (70x273x21mm)	l⁵∕₅" x l3¹⁄₂" x ³∕₅" (4lx343x5mm)	2³/4" x 10³/4" x ²ァ/ ₃₂ " (70x273x21mm)
Pull center to center	5¼²" (140mm)	5 ¹ / ₂ " (140mm)	5 ¹ /2" (140mm)	5 ¹ / ₂ " (140mm)
Projection	3" (76mm)	3" (76mm)	3" (76mm)	3" (76mm)
ANSI function	02	03	05	15
Cylinder type Rim or vertical rod device	_	Rim	Rim	_
Mortise lock device	_	1 ¹ /4" Mortise	11/4" Mortise	_
Handing	_	_	_	_
#425 SNB optional-HMD req. WD w/o SLM pkg.	2	2	2	2
#825 SNB req. WD w/o SLM 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 x 11" (279mm) h
VR910NL & VR914NL	98/99 Rim or vertical rod device	5½" (133mm) w x 11" (279mm) h
VR910M-DT & VR914M-DT	9875/9975 Mortise device	7¹/₄" (184mm) w x 11" (279mm) h
VR910M-NL & VR914M-NL Handing required	9875/9975 Mortise device	7¹/₄" (184mm) w x 11" (279mm) h

- Meets ANSI/BHMA 156.13, Trim security test and California State Accessibility Standards Title 24.
- 1¹/₂" (38mm) clearence from grip to door, total projection 1⁷/₈" (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 & 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

	Full size key-in-lever 6 pin	Full size key-in-lever 7 pin	FSIC 6 & 7 pin	SFIC 6 & 7 pin
Schlage	•		•	•
Falcon	▲	*		
Sargent® (10L + 11L full size)	A			
Corbin Russwin [®]			A	A
Yale® (includes Medeco 31*0100 FSIC)			▲	▲
Best®				A

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

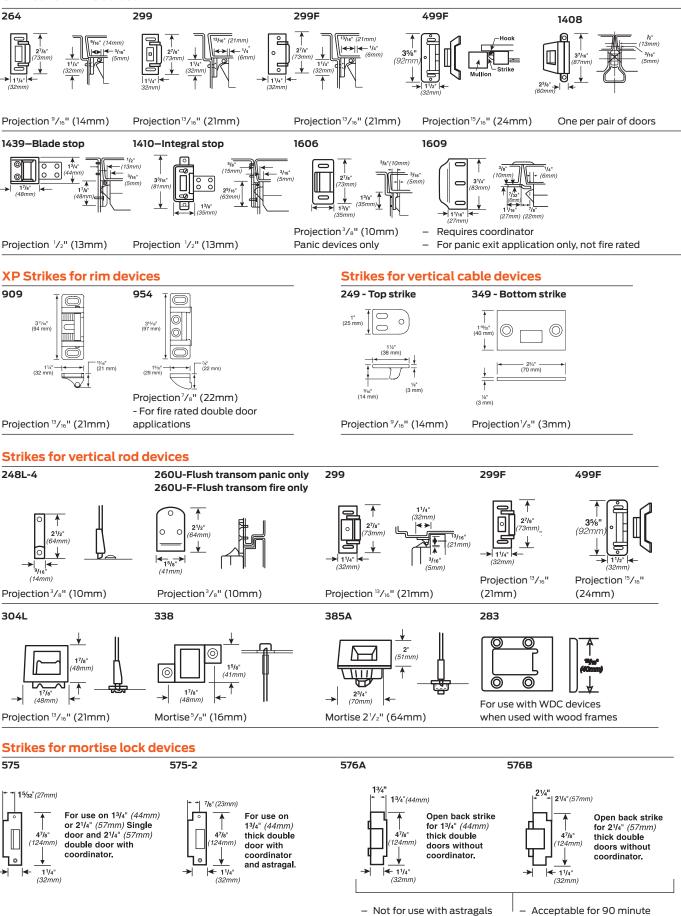
- NSI/BHMA A156.25 & ANSI/BHMA Grade 1
- UL 294
- **UL 10C**
- ADA

98/99 Strike/Stile information

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

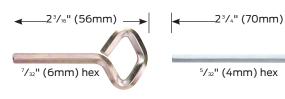
Less dogging is available in all $98/99^{\rm m}$ Panic exit devices to remove the dogging option.

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 1¹/₄" (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:

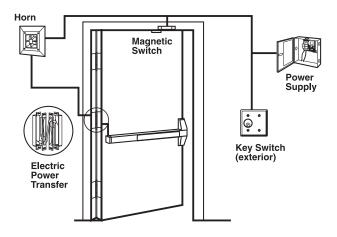
- 1. Prefix SS, example SS99L.
- 2. Handing required, LHR or RHR.

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.

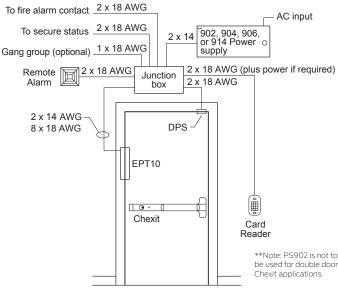


Figure 1. Riser Diagram, Single Door

Minimum door opening sizes for CX devices

Consult factory for other size requirements

Device	3' (914mm) Length	4' (1219mm) 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/ 9950/9950WDC-F	2'10 ¹ /4" (870mm)	3'4 ¹ /4" (1022mm)
CX9857/9857-F/9957/9957-F	2'10 ¹ /4" (870mm)	3'4'/4" (1022mm)
CX9875/9875-F/9975/9975-F	2'10 ¹ /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) Length	4' (1219mm) 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 ¹ /2" (876mm)
CX-RCM 9847/9847-F/9947/9947-F	2'41/2" (724mm)	2'10 ¹ /2" (876mm)
CX-RCM 9848/9848-F/9948/9948-F	2'41/2" (724mm)	2'10 ¹ /2" (876mm)
CX-RCM 9849/9849-F/9949/9949-F	2'41/2" (724mm)	2'10 ¹ /2" (876mm)
CX-RCM 9850/9850WDC-F/ 9950/9950WDC-F	2'41/2" (724mm)	2'10 ¹ /2" (876mm)
CX-RCM 9857/9857-F/9957/9957-F	2'41/2" (724mm)	2'10 ¹ /2" (876mm)
CX-RCM 9875/9875-F/9975/9975-F	2'5 ¹ / ₂ " (743mm)	2'11'⁄2" (902mm)

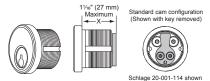
Specifications / Power supply requirements*

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
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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

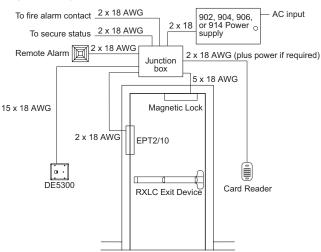


Figure 1. Riser Diagram, Single Door

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) Length	4' (1219mm) 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 on both ends	Connectors on one end, 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.

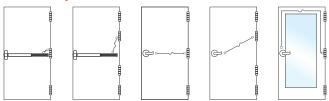
Note: You will need to purchase a separate wiring harness to go from exit device to hinge/ EPT and an additional harness to go from hinge/EPT to power supply or access control system. Harness part numbers with ordering information can be located in the Schlage, Von Duprin and Falcon pricebooks. A service 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.

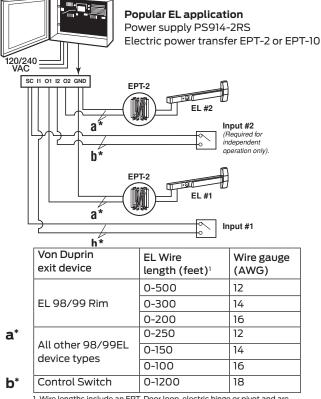
Solenoid specifications: Continuous duty – 24 VDC Current inrush – 16 Amps Current holding – 0.3 Amps Solenoid resistance: -grn-yel 1.2 – 2.2 OHMS -grn-org 100 – 150 OHMS

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.

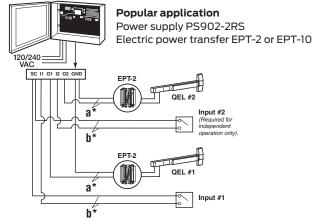
The QEL has a low in rush current, so it can be used with standard Schlage power supplies. Calculate the peak current draw of all devices in the system to determine the required amperage of the supply.

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 power supply for the 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	⁵ / ₃₂ " 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" 2¹/4"

Models

10

RGO Rod guard only (projection 1³/₁₆")

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.



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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[™] 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:

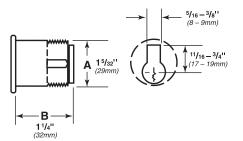
- 1. 99GBK
- 2. Device type (rim, mortise, surface vertical rod, concealed vertical rod)
- 3. Wood door, when used with concealed vertical Rod
- 4. When used with 330/350 Dummy pusher, order two hinge stile shims.

Cylinders

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

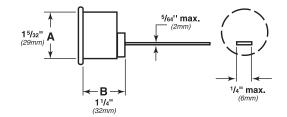


Mortise — 3215 (Schlage 20-001, L583-475 cam)





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

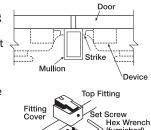
1654 Prepared for two 1606 strikes. If 1606 strikes are not specified on the order, two per mullion will be added. Additional charges apply.

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)

¹/₄ *(6mm)* 20 Flat Head

Machine Screws

Fittings shown for 4754, 4654 and 4954

³/₈ (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

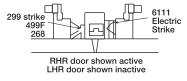
Device

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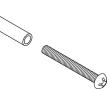
Anchors

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 1³/₄" (44mm)
- 425 825

Rim, mortise and concealed vertical

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

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

Surface vertical rod - latches only

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

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

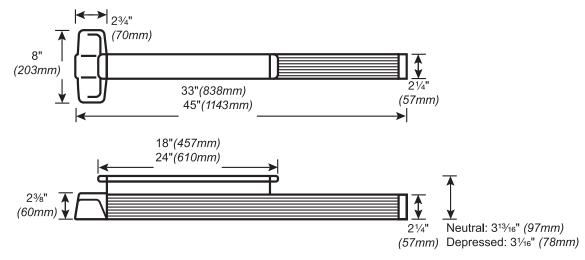
* For use with outside trims.

98/99 Function, grade, type options

ANSI Function, grade & type

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

Dimensions



Additional information

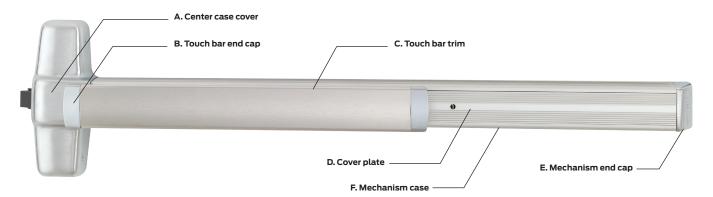
UL Listing for fire exit hardware

UL Listed fire exit hardware label and opening size

			Double door							
Exit device	Door material	Single door	With 9954 mullion	With 9854 mullion	With kr9954 mullion	With kr9854 mullion	V x v same direction	V x mortise same direction	V x v double egress	
98-F 99-F	Metal	3 Hour 4' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 8'	3 Hour 8' x 8'	_	_	_	
9875-F 9975-F	Metal	3 Hour 4' x 10'	_	-	-	-	_	3 Hour 8' x 10'	_	
9827-F 9927-F	Metal	-	_	-	-	-	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	
9827LBR-F 9927LBR-F	Metal	-	_	-	-	-	90 Minute* 8' x 10'	_	3 Hour 8' x 10'	
9857-F 9957-F	Metal	3 Hour 4' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	3 Hour 8' x 8'	_	_	_	
9847-F 9947-F	Metal	-	_	-	-	-	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	
9847LBR-F 9947LBR-F	Metal	-	_	-	-	-	90 Minute* 8' x 10'	_	3 Hour 8' x 10'	
9848-F 9948-F	Metal	-	_	-	_	-	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	
9849-F 9949-F	Metal	-	_	-	-	-	90 Minute* 8' x 10'	3 Hour 8' x 10'	3 Hour 8' x 10'	
9849LBL-F 9949LBL-F	Metal	-	_	_	-	_	90 Minute* 8' x 10'	_	3 Hour 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 number	BHMA 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, no relief

Special Finishes

Color	US number	BHMA 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 (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 (antimicrobial)	U26D-AM	626-AM	AM Clear over chrome	AM Clear over satin stainless steel US32D, 630	AM Clear over anodized
Satin stainless steel (antimicrobial)	US32D-AM	630-AM	AM Clear over stainless steel	AM Clear over Satin Stainless Steel US32D, 630	AM Clear over 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 number	BHMA number
Chromium, polished	US26	625
Anodized, aluminum	US28	628
Chromium, dull	US26D	626
Brass, polished	US3	605
Brass, dull	US4	606

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

Special finishes

Color	US number	BHMA number
Satin chrome, Antimicrobial	US26D- AM	626-AM
Satin stainless steel, antimicrobial	US32D- 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.