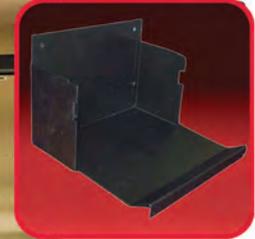


Life Safety and Security Door Hardware



Series 800

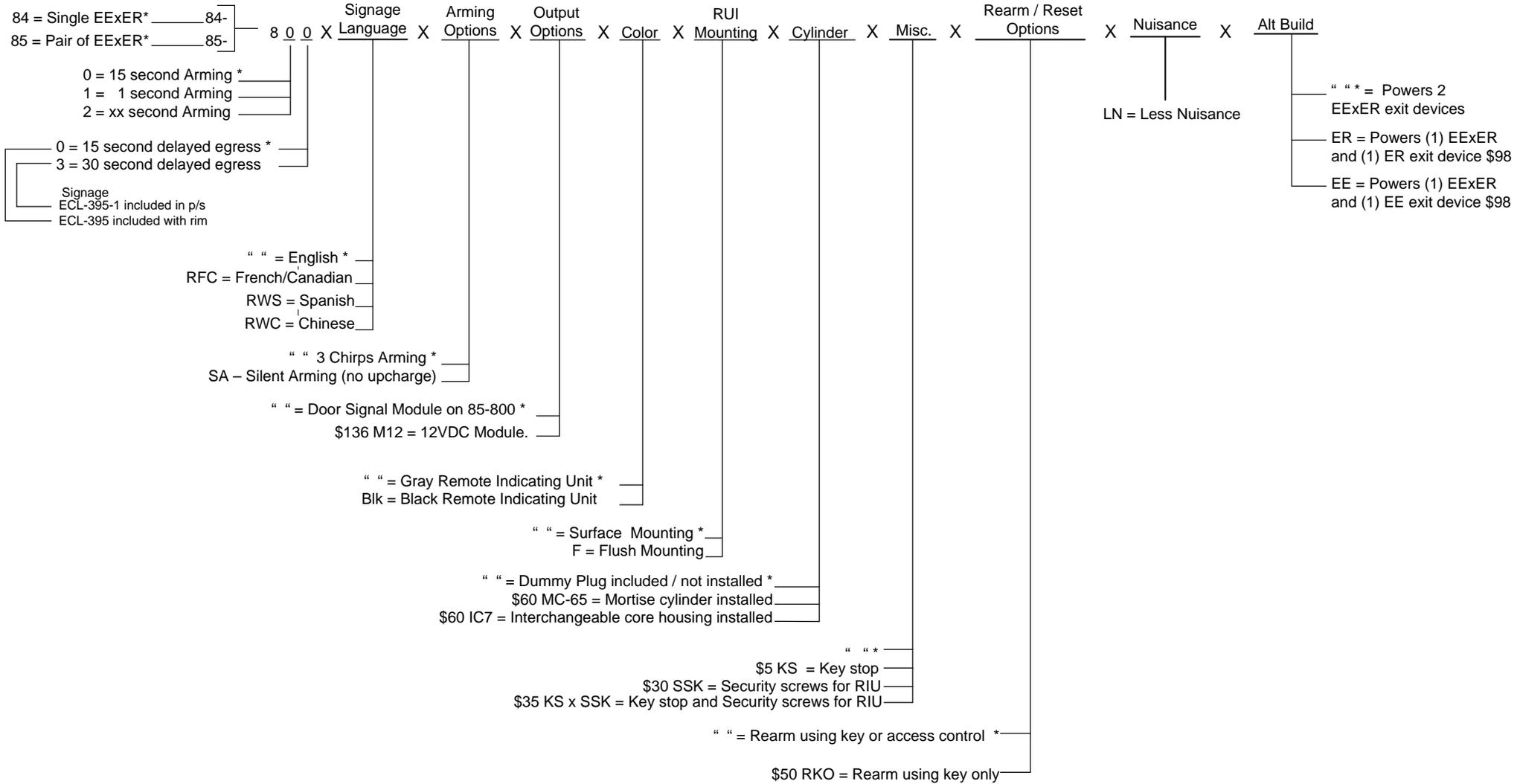
Power Supplies & Logic Controllers

Series 800

Where Trust is Built™
DETEX®
Life Safety and Security Door Hardware

Series 800 How To Order

Note: * indicates default

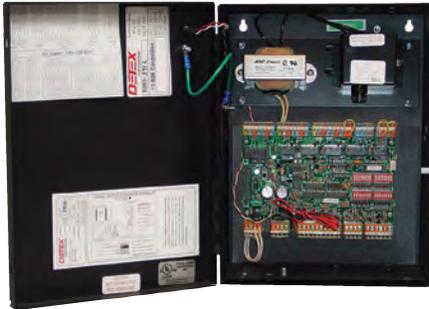


Series 800

10-800 / 11-800

Controller

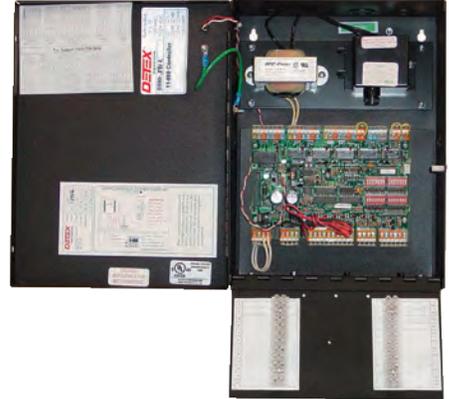
The Detex 10-800 and 11-800 are universal logic and power supply controllers that allow for total control over all electrified hardware. The controller receives input from a switch, access control or any dry contact device and processes it into the desired output. One controller can manage applications for up to two doors, such as standard egress, delayed egress and interlocks. All connections for local or remote signaling are contained in one box. The 10-800 and 11-800 logic controllers provide at least 2A of DC power at the door. A battery backup/charging circuit is standard with each controller to deliver an uninterrupted source of power for up to 4 hours (battery sold separately).



10-800
Shown open



10-800
or
11-800
Shown closed



11-800
Shown open

NOTE: 10-800 and 11-800 available in Black
11-800 same as 10-800 but with added 24 point terminal strip and flip-down tray

Benefits

- Central terminal connections provide easy wiring
- In-line fuse protects against power surges
- Designed specifically to support electric locks, access control systems and delayed egress systems
- Multiple fire alarm relay input options assure compliance to various life safety codes
- On/Off switch allows for easy service and inspection

Features

- Power supply and controller all in one box
- Controls up to 2 separate doors for standard egress or 2-door interlock applications
- 1 controller required for each independent delayed egress application
- Output relays for locks, local alarm and remote alarms
- Relays may be configured to wet or dry connections
- Status LED's toggle on or off for easy troubleshooting
- Connections are labeled with either numbering scheme or label with text to identify circuits
- Single AC line voltage required to activate
- Dual voltage selection (12/24VDC)
- 9VDC, 100mA output terminal tap
- Fuse protection
- Battery backup circuit - standard
- Other Models include:
 - 30-800* - Surface box - Zinc plated, lid and Series 800 controller
 - 31-800* - Flat mount plate and Series 800 controller
 - 40-800* - Same as 11-800 without transformer
 - 41-800* - Same as 10-800 without transformer
 - 50-800* - Series 800 controller only, no box

* Requires low voltage source

Mechanical Options

- Cover lock key
- Battery box extension
- 24 point terminal strip and flip down tray included with the 11-800

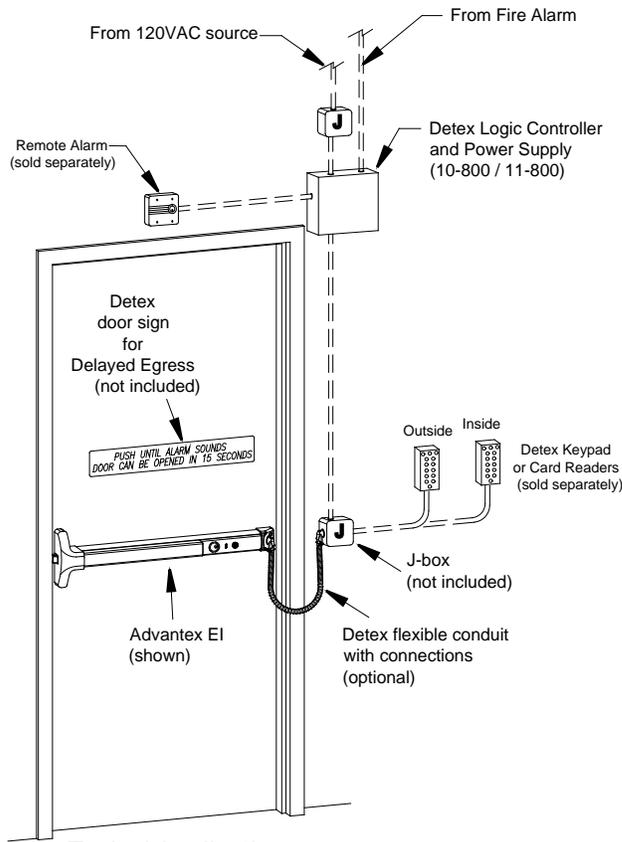
Electrical Options

- Access Control compatible
- Battery backup, 12VDC or 24VDC, 4AH
- M12 module provides 12VDC @ 400mA for access control components
- Tamper Switch
- Pre-wired terminal strip with labels for easy identification (11-800)

Technical Information

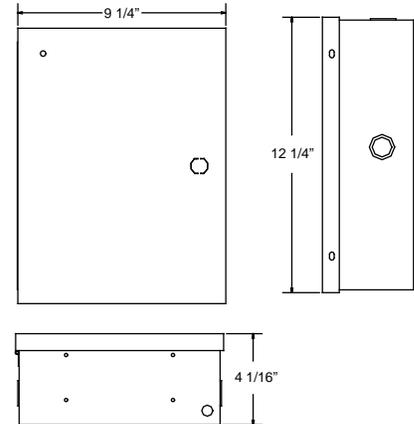
- 110VAC input
- Remote Relay 2A
- Bolt Position /Door Position Switches Relay 2A
- 12 or 24 VDC output, 2A
- Controls 2 doors within 100 feet using 18ga stranded wires
- Local Alarm Relay 5A
- Lock Relay 2A

Riser Diagram



Typical Application -
Delayed Egress with Access Control

Dimensions (10-800/11-800)



Listings and Approvals



UL Listed Power Supply and
Special Locking Arrangement
(Delayed Egress)

Detex Limited Warranty

3 Year Limited Manufacturer's
Warranty

Where Trust is Built™

DETEx®

Life Safety and Security Door Hardware

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Series 800

80-800 / 90-800

Power Supply

The Detex 80-800 or 90-800 Power Supply is designed for applications requiring a continuous supply of a regulated, filtered output voltage. The Detex 80-800 Power Supply includes a battery charging circuit. Batteries provide backup for uninterrupted service.



80-800



90-800

Benefits

- Simplifies installations that do not require a conduit, Class 2 outputs standard and may be wired directly to 115VAC input
- Provides continuous regulated and filtered 12VDC or 24VDC (80-800); 24VDC (90-800)
- Designed specifically to support electric locks and access control systems
- Provides individual fused protection, field reset
- On/Off switch allows for easy service and inspection

Features

- Fire alarm input provides release of fail-safe locks in case of emergency (80-800/90-800)
- Field selectable outputs (80-800 only)
- Auto-resetting circuit protection (80-800/90-800)
- Battery charging circuit, PTC protection (80-800 only)
- LED system status indicator (80-800/90-800)
- Class 2 outputs (80-800/90-800)
- Heavy gauge enclosure, 18ga (80-800/90-800)
- Low battery disconnect when batteries are below 70% capacity (80-800 only)

Accessories

- Batteries (80-800 only)

Technical Information

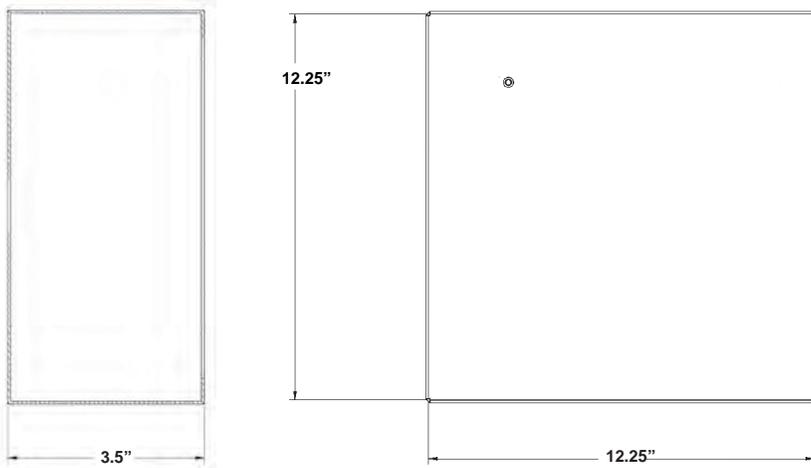
- Input: 115VAC, 50/60 Hz
- Class 2 Rated
- 80-800 (1) Output: 12 or 24VDC, 1A
- 90-800 (2) Outputs: 24VDC, 1A
- Battery Charger: 13.5/27VDC, 500mA (80-800 only)

Finishes

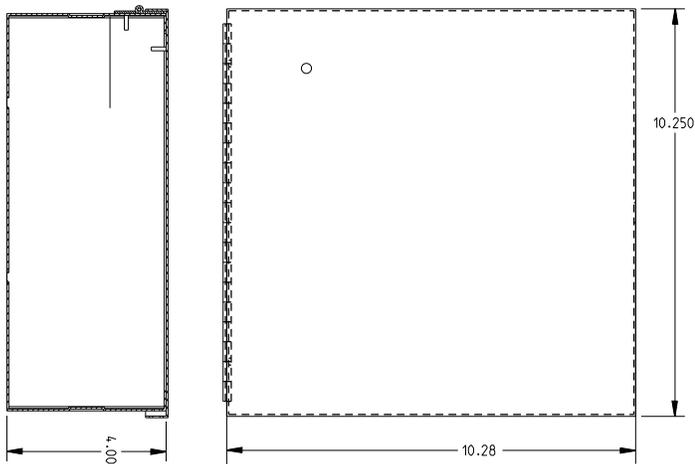
• Painted Beige - 80-800

• Painted Black - 90-800

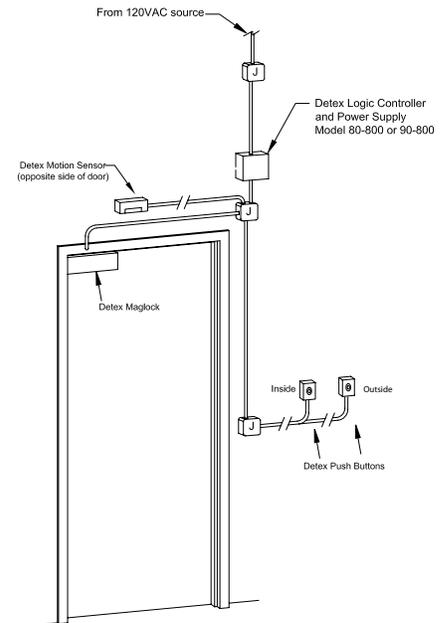
Dimensions (80-800)



Dimensions (90-800)



Riser Diagram



Listings and Approvals



Detex Limited Warranty
3 Year Limited Manufacturer's
Warranty

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Series 800

81-800 / 82-800 / 83-800

Logic / Power Supply - Latch Retraction

Detex Series 800 logic and power supplies convert 120VAC into regulated and filtered 24VDC, providing a secure, consistent, power feed to various electrified door hardware accessories, primarily access control components, such as Detex latch retraction exit devices.



81-800 / 82-800



83-800

Benefits

- Filtered and regulated 24VDC power protects circuitry from stray power surges and spikes
- While others require 2 amp power supplies for single door applications, Detex allows you to specify and supply the economical 81-800 for single door latch retraction applications
- The Series 800 products have been engineered to provide superior operation through design integration with all Detex electric latch retraction options

Features

- 81-800 - 1 AMP continuous, controlling 1 Detex latch retraction (ER) device for 1 door
- 82-800 - 2 AMP continuous, controlling 2 Detex latch retraction (ER) devices for a pair of doors
- 83-800 - 2 AMP continuous, controlling 2 Detex latch retraction (ER) devices for 2 independent doors
- Battery charging circuit included standard (batteries sold separately) - see accessories
- Design provides enough power to cycle Detex latch retraction motor, one time, even if power is lost while attempting to open the door and gain access
- 81-800, 82-800 and 83-800 have standard output used to signal automatic door operators

Mechanical Options

- L - cover lock (cam style) & 2 keys

Electrical Options

- M12 - 12 volt module provides 12VDC power

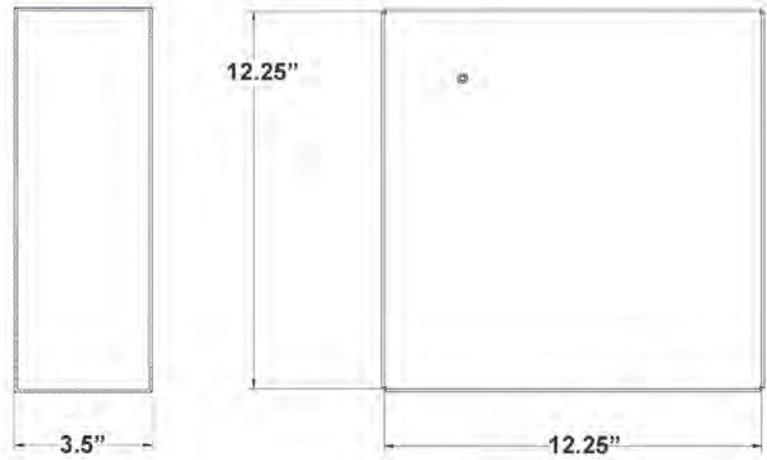
Accessories

- 70-24B - 24VDC 4 AMP hour battery pack

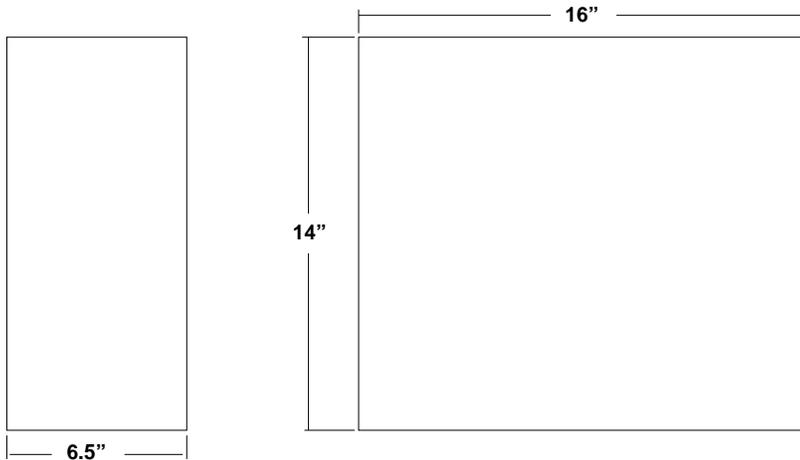
Technical Information

- 12.25" high x 12.25" wide x 3.5" deep
- 18 gauge steel
- Machine and Sheet Metal Screws (Std.)
- Beige with hinged cover
- Knockout holes provided for conduit connection

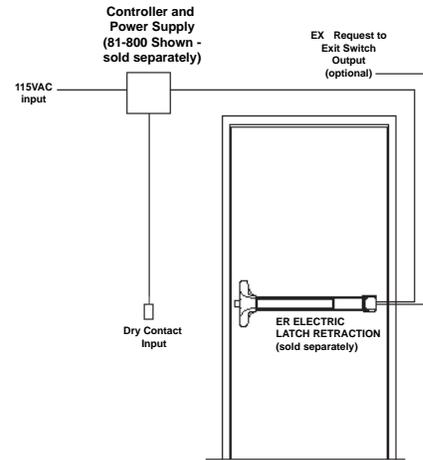
Dimensions (81-800 and 82-800)



Dimensions (83-800)



Riser Diagram



Listings and Approvals



Detex Limited Warranty

3 Year Limited Manufacturer's Warranty



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Series 800

84-800 / 85-800

Logic / Power Supply - Delayed Egress with Latch Retraction

Detex 84-800 and 85-800 are logic and power supply controllers that provide both the electronic logic interface between the delayed egress and latch retraction functions and a secure, consistent power feed to the exit devices. Included with the controller is the Remote Interface Unit (RIU) containing the alarm and keyswitch for the delayed egress.



84-800
(single doors)



85-800
(pairs of doors)



RIU specified & supplied
with Logic Controller

Benefits

- Power supply and controller all in one box
- All connections centralized
- Single AC line voltage required to activate
- Allows you to specify and supply the economical 84-800 for single door or 85-800 for 2-door latch retraction, delayed egress applications
- The Series 84-800 and 85-800 products have been engineered to provide superior operation through design integration with electric latch retraction, delayed egress options

Features

- 84-800 - 1A continuous, controls 1 Detex electric latch retraction, delayed egress (EExER) device for 1 door
- 85-800 - 2A continuous, controls 2 Detex electric latch retraction, delayed egress (EExER) devices for a pair of doors
- Fire alarm input for life safety compliance
- Filtered and regulated 24VDC power protects circuitry from stray power surges and spikes
- Fuse protected
- Connections are labeled to identify circuits
- Can be bypassed or rearmed with key or Access Control
- DSM - Door Signal Module signals Automatic Operators
- Cable harnesses engineered to take guesswork out of making correct point to point connections
- Cable harness lengths allow 84/85-800 enclosures to be located up to 15' from device
- Status LEDs toggle on or off for easy troubleshooting
- Output relay for local and remote alarm

Mechanical Options

84-800/85-800

- Cover lock key

RIU

- Flush or Surface Mounting
- KS - Key Stop, factory installed

- SSK - Security Screws

Electrical Options

- RIU - Arming Options:
 - 3 chirps (Default)
 - SA - Silent Arming
 - LN - Less Nuisance Alarm
 - RKO - Rearm with Key Only
 - 1 second arming
- M12 - 12VDC @ 300mA module in addition to 24VDC power (eliminates DSM on 85-800)
- ER options powers 1 EExER and 1 ER only Exit device (85-800 only)
- 30 second Delayed Egress - requires written letter from AHJ

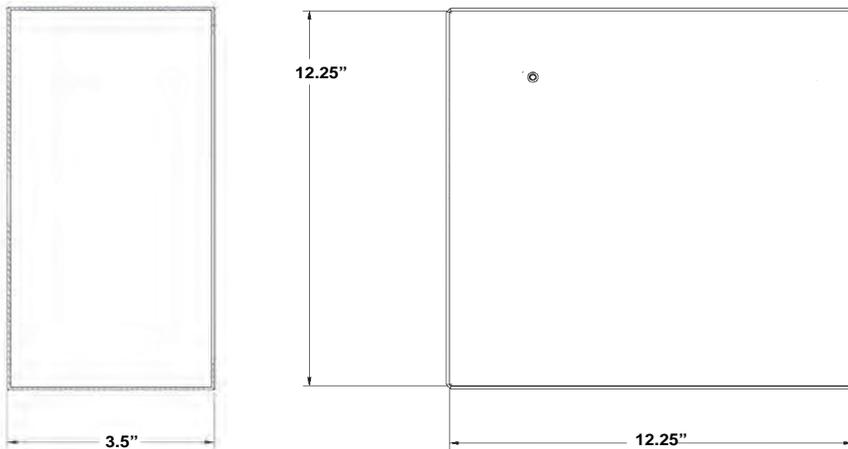
Accessories (RIU)

- MC65 Mortise Cylinder (installed)
- IC7 Interchangeable core housing (installed)

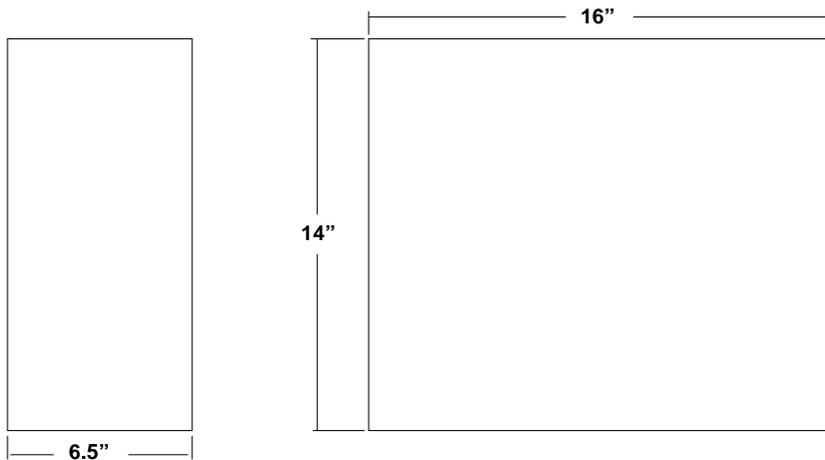
Technical Information

- 12.25" high x 12.25" wide x 3.5" deep (84-800)
- 14" high x 16" wide x 6.5" deep (85-800)
- 110VAC input
- 24VDC output, 1A (84-800) or 2A (85-800)
- Beige with hinged cover
- 18 gauge steel
- Knockout holes provided for conduit connection
- Machine and Sheet Metal Screws (Std.)

Dimensions (84-800)



Dimensions (85-800)



Listings and Approvals



UL Listed



ANSI/BHMA certified A156.3



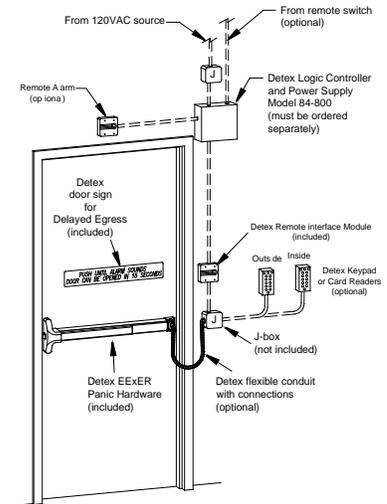
Meets NFPA 80 & 101 for Life Safety, CA Title 19

August 25, 2015

Detex Limited Warranty

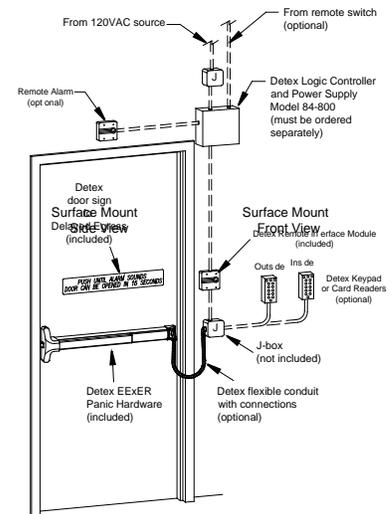
3 Year Limited Manufacturer's Warranty

Riser Diagram



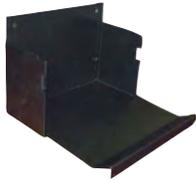
Dimensions (RIU)

Front and Side View



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Batteries

70-02B - Battery Box Extension; Black; Battery sold separately



70-12B - 12VDC 4AH - 1 battery provided



70-24B - 24VDC 4AH - 2 batteries provided