

Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045 (830)629-2900 / 1-800-729-3839 / Fax (830)620-6711 INTERNET: www.detex.com E-MAIL: detex@detex.com

INSTALLATION INSTRUCTIONS FOR ARCHITECTURAL VALUE SERIES® DELAYED EGRESS AND "H" MODELS (HURRICANE)

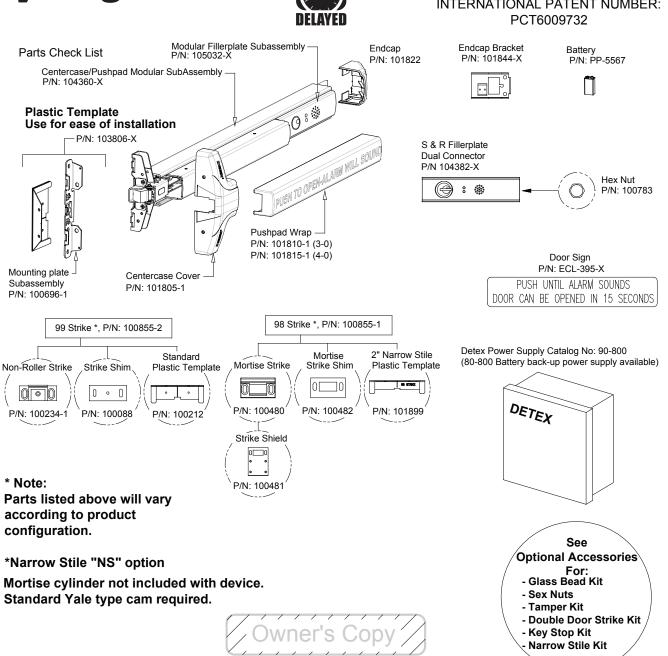
V40 VALUE SERIES® EE



U.S. PATENT NUMBERS:

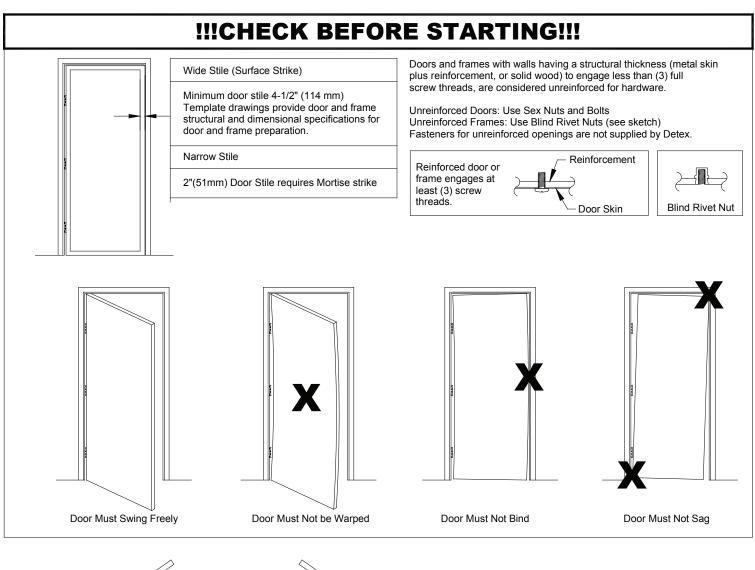
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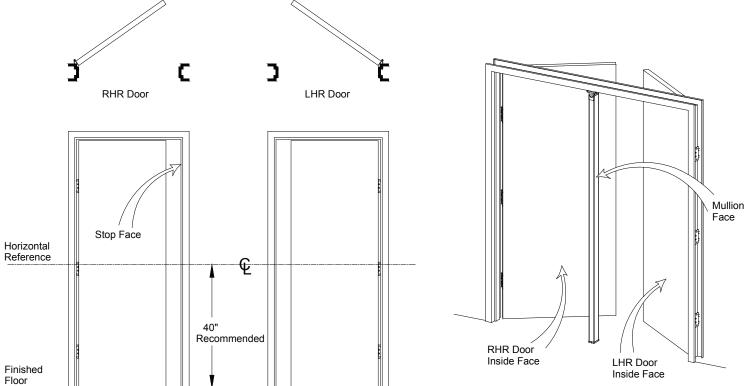
INTERNATIONAL PATENT NUMBER:



FOR SPECIAL LOCKING ARRANGEMENT:

THIS PRODUCT MUST BE CONNECTED INTO A FIRE ALARM SYSTEM PER NFPA CODE OR OTHER REGULATIONS SO THAT, IN THE EVENT OF FIRE, THE TIME DELAY WILL BE BYPASSED. CONTACT YOUR LOCAL CODE AUTHORITY TO VERIFY COMPLIANCE WITH FIRE AND BUILDING CODES. THE DELAYED EGRESS DEVICE SHOULD BE ROUTINELY CHECKED FOR PROPER OPERATION AND COMPLIANCE WITH FIRE AND BUILDING CODES

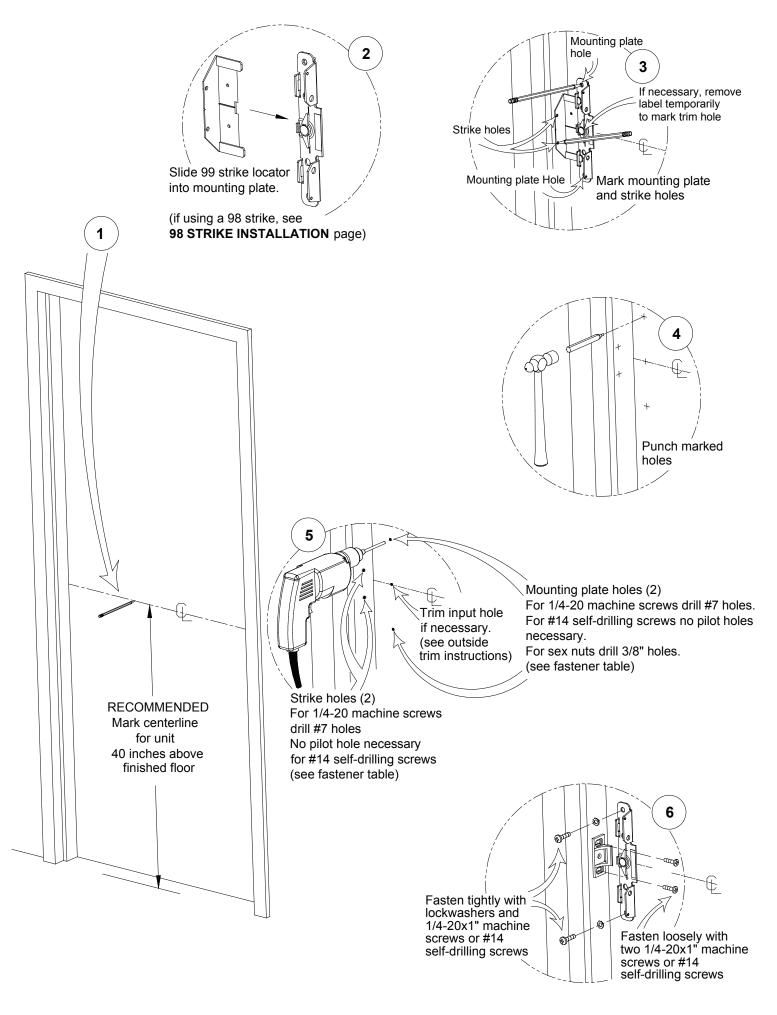


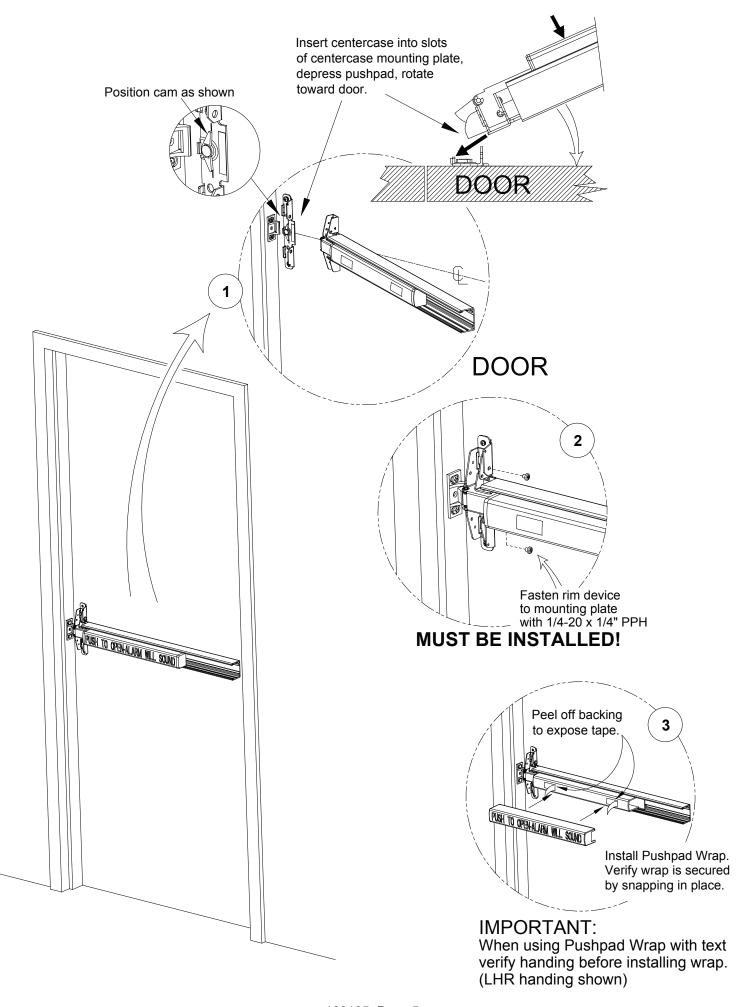


Fastener Table							
			Drill Bit	Tap Wrench	Comments		
DE)	amme		Use Either Machine Screws, Sheetmetal Screws, or Sex Nuts		
Machine Screws	#6-32 x 5/8"	PPH	#36 or 7/64	#6-32 Tap	Used on 98 Strike Shield Mounting Holes		
, Janaanananana	#6-32 x 3/8"	PPH			Used to Mount Centercase Cover and Endcap		
- Trummumm	#10-24 x 5/8"	PPH	#25 or 9/64"	#10-24 Tap	Used on 99 Strike Center Mounting Hole		
	#1/4-20 x 1/4"	PPH			Used to Fasten Centercase Unit onto Mounting plate		
1	#1/4-20 x 1"	PPH	#7 or 13/64"	#1/4-20 Tap	Used on Strike, Mounting plate, and Endcap Mounting Holes		
Sheetmetal Screws	#6 x 1"	PFH	9/64"		Used on 98 Strike Shield Mounting Holes		
Self-drilling Screws	#10 x 1"	PFH	No pilot hole necessary for		Used on 99 Strike Center Mounting Hole		
{\tutttttt=	#14 x 1-1/2"	PPH	self-drilling screws		Metal Applications Used on Strike, Mounting plate, and Endcap Mounting Holes		
Sex Nut	#1/4-20		9/32" Interior Door Face		Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors		
	#1/4-20		3/8" Exterior Door Face		Used on Mounting plate and Endcap Mounting Holes		
	#10-32		Unreinforced Hollow Me	Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors			
					Used on Strike Hook Mounting Holes		

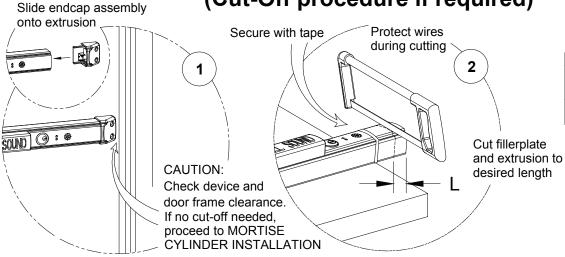
Note: (1) Fastener selection will vary per catalog configuration and kits ordered. (2) Mortise Cylinder NOT Provided.

Tools Required					
Power Drill	Pencil				
	Hack Saw				
Level					
Safety Glasses	Hammer				
Screw Driver	Tape Measure				
Jewelers (Small) Screwdriver	Center Punch				





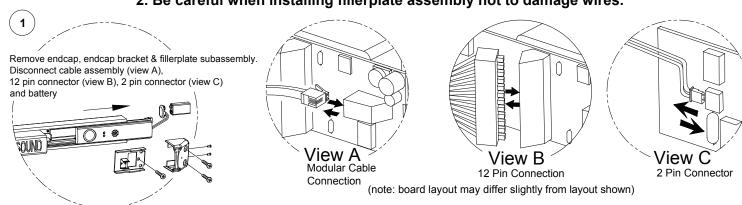
CHECKING FOR DEVICE CLEARANCE (Cut-Off procedure if required)

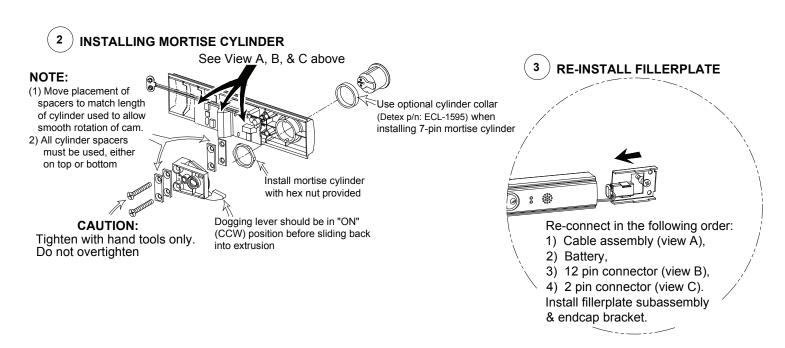


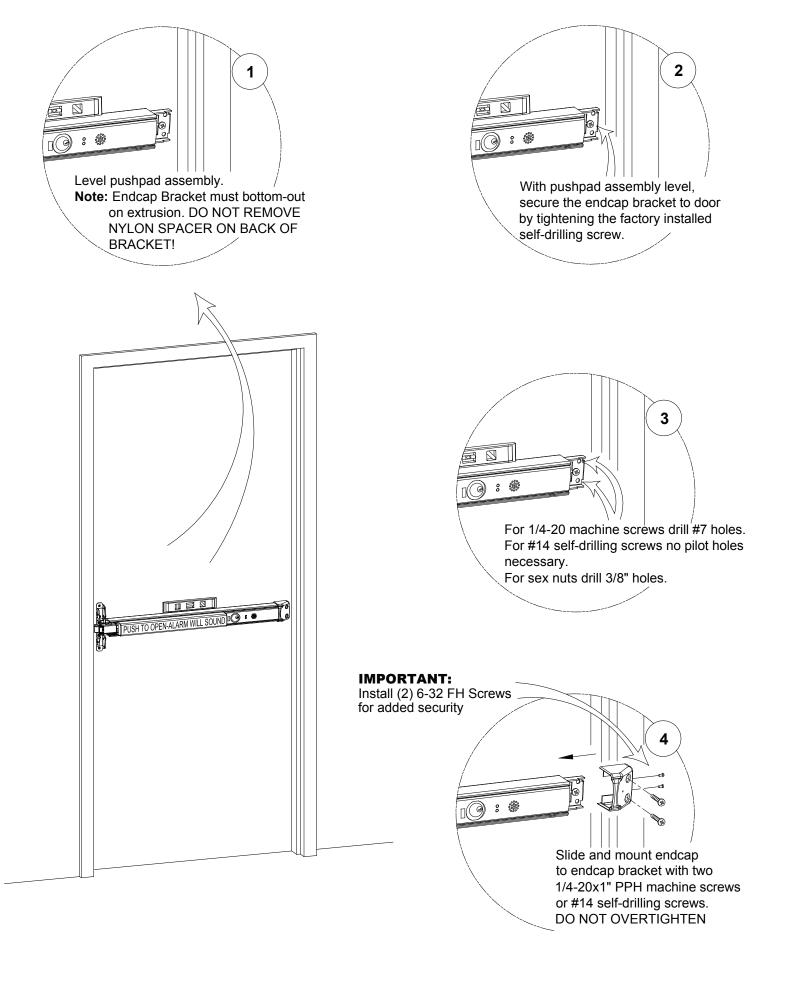
Max Cut-Off					
Tumo	Length (L)				
Туре	36" Unit	48" Unit			
Electrified Model	cannot be cut down	6 in			

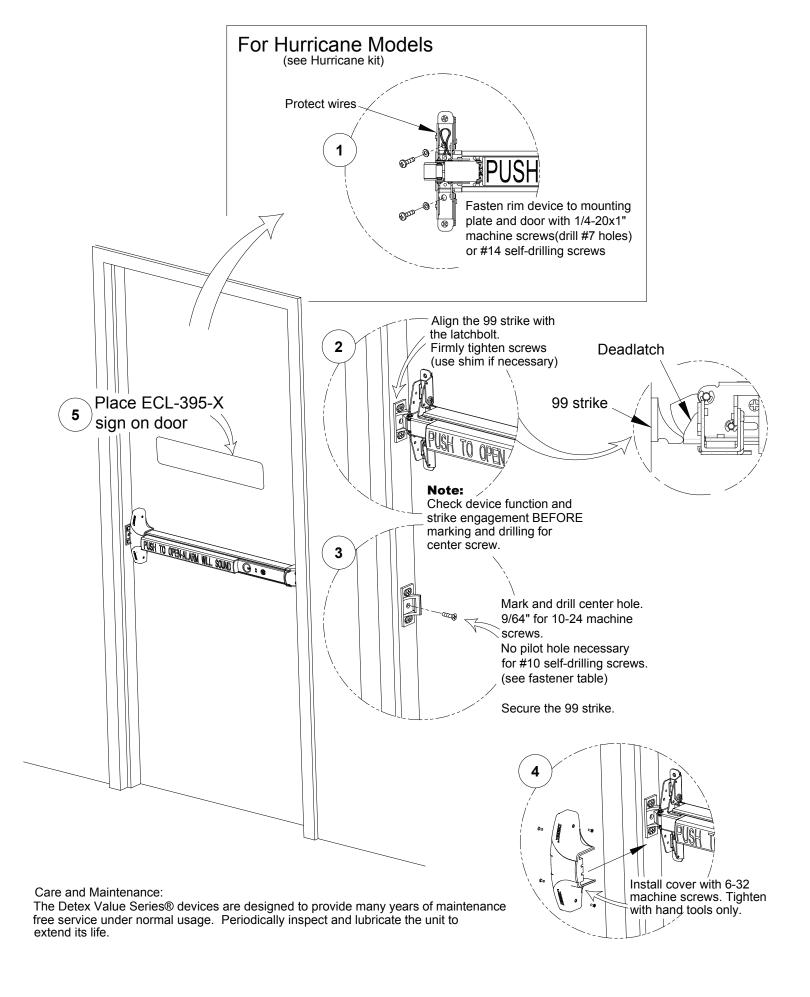
MORTISE CYLINDER INSTALLATION PRECAUTIONARY NOTE:

- 1. See "EE ELECTRICAL OPTIONS" before reinstalling filler plate.
- 2. Be careful when installing fillerplate assembly not to damage wires.









EE ELECTRICAL OPTION

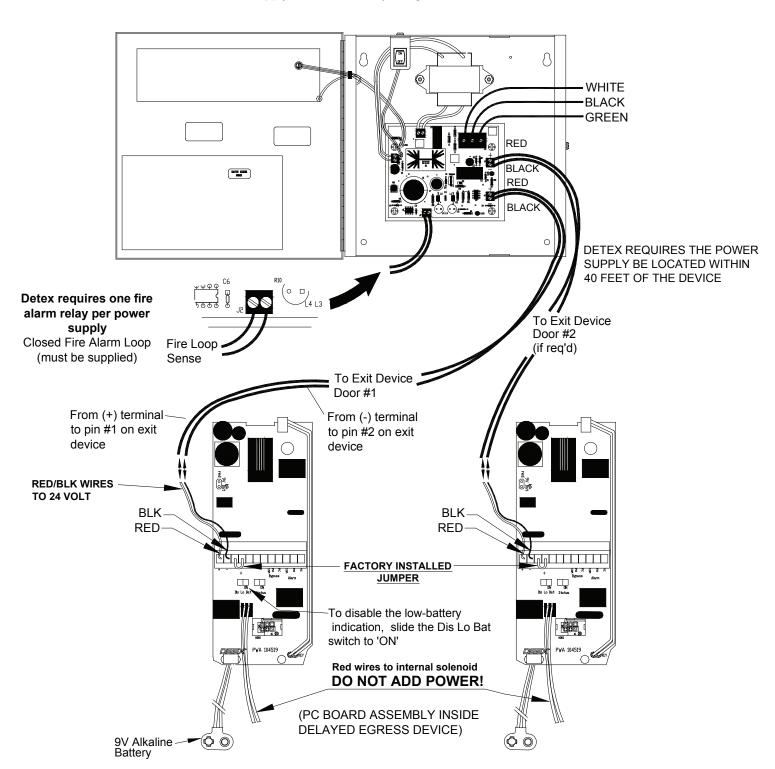
REQUIRES DETEX POWER SUPPLY

REQUIRED WIRE SIZES:

STRANDED WIRE GAUGE: 18 AWG MIN

MAXIMUM LENGTH OF TWO CONDUCTOR CABLE: 40 FEET

Power Supply with Detex Delayed Egress device



REMOTE BY-PASS RELAY DUTPUT COM N.O. N.C. RELAY DUTPUT POWER 1 2 3 4 5 6 11 12 **(+)**(-) Ë CO Ë 24VDC FILTERED & REGULATED RELAY DUTPUT .5A 24V MAX RELAY DUTPUT SEE LOCAL NORMALLY OPEN INPUT

WIRING DIAGRAM A

.5A 24V MAX

EE ELECTRICAL OPTIONS

L9 = Less 9v batterv SI = Status indicator

POWER REQUIREMENT: .5 AMPS @ 24 VDC

The key cylinder arming switch must be set to "OFF". To prevent the alarm from sounding during installation, attach battery AFTER main power is applied.

Delayed Egress Device requires a connection to the Fire Alarm System. The fire alarm connection needs to be made **Externally** at the Power Supply. During a fire alarm condition the delayed egress will be by-passed.

MAIN POWER CONNECTION: (1 & 2)

See Power Supply instructions

DETEX REQUIRES USING THE FIRE ALARM CONNECTION IN THE POWER SUPPLY:

CLOSED connection is provided to the fire alarm system when not in-alarm and OPEN when in-alarm. See power supply instructions for details.

REMOTE BY-PASS: (5 & 6)

Connect normally open (N.O.) contact.

When the contact is closed momentarily, this will allow the door to open without the alarm sounding. The unit will automatically re-arm in 15 seconds after the door is closed (three guick audible beeps).

BY-PASS RELAY: (7,8 & 9) DRY contact output.

The BY-PASS relay is energized when the unit is disarmed by the KEY or REMOTE BY-PASS to indicate to a remote indicator that the door is not armed.

ALARM RELAY: (10, 11 & 12) DRY contact output.

The ALARM relay is energized when the unit is sounding its alarm to indicate to a remote indicator that an unauthorized exit has been attempted.

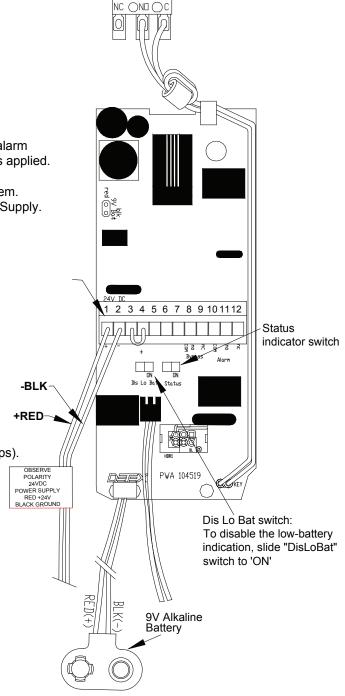
OUTSIDE KEY CONTROL

If the OKC option is used, the outside key bypasses and rearms the alarm.

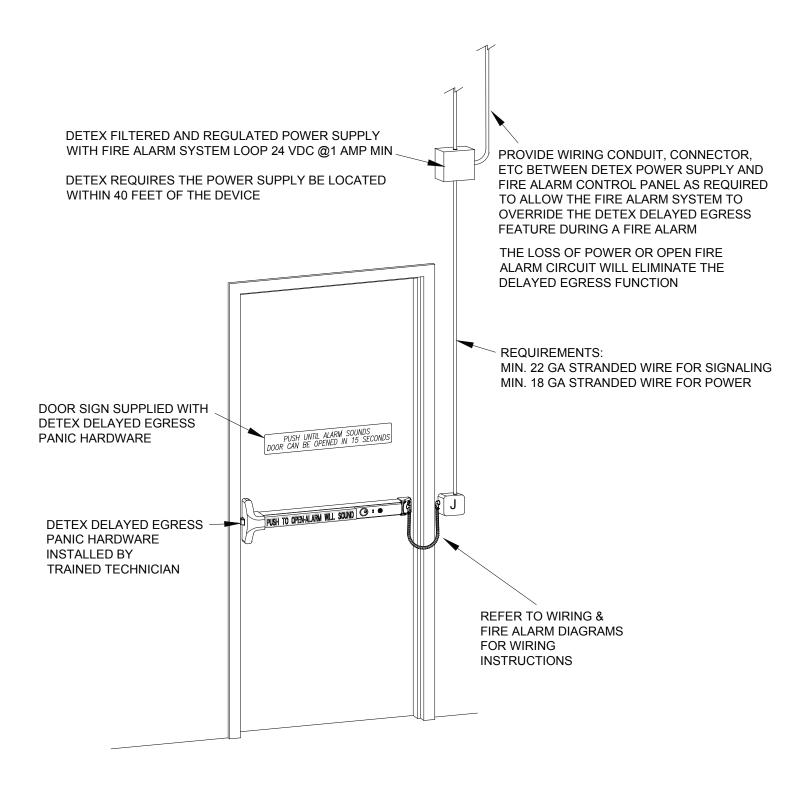
STATUS INDICATOR (SLIDE SWITCH)

ON: Green LED blinks every three seconds when the unit is disarmed. Red LED blinks every three seconds when the unit is armed.

OFF: No status indication



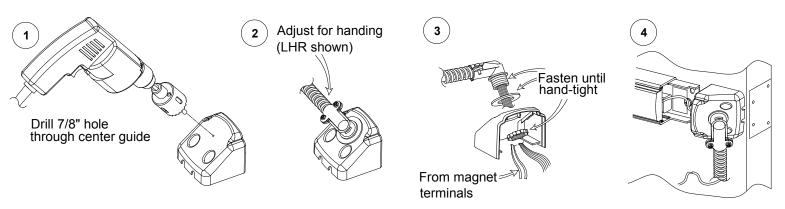
RISER DIAGRAM



Value Series Flex Conduit/End Cap Kit

p/n: FCV

VALUE SERIES FLEX CONDUIT INSTALLATION



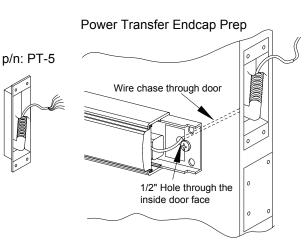
Note: For high traffic areas an electric through-wire hinge or power transfer is recommended.

OPTIONAL HARDWIRE TRANSFER KITS

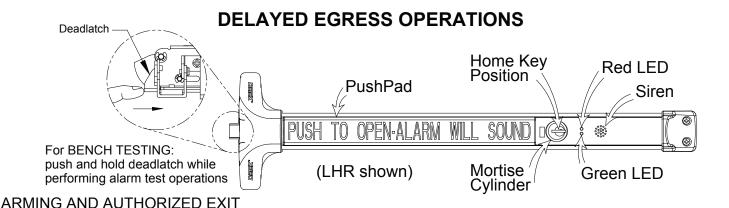
Electric Hinge

Order by finish p/n: EWH8-X Wire chase through door 1/2" Hole through the inside door face

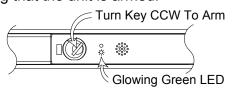
Power Transfer



Note: For high traffic areas an electric through-wire hinge or power transfer is recommended.



With door closed, insert key in the cylinder, turn CCW then back to the home key position and remove it. The red LED blinks twice then the green LED glows continuously. Authorized personnel can exit the door during this rearm cycle. After a 1, 5 or 15 second arming period, the alarm issues three quick beeps and the green LED goes off, indicating that the unit is armed.



DISARMING

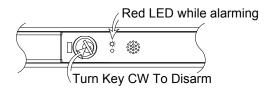
Insert key, turn CW to a stop. Green LED will blink twice to indicate the unit is disarmed.

EXITING UNDER ALARM

To exit, push and maintain pressure on the pushpad. After a one-second delay, (nuisance delay), LED flashes RED and alarm pulses on and off for 15 seconds. After 15 seconds, alarm issues short and long pulses to indicate that you can exit by depressing the pushpad. Alarm sounds continuously and LED is steady RED. Turn key CW to stop alarm.

NUISANCE DELAY

When pushpad is depressed for less than 1 second, alarm will emit a single pulse but will not start delay function.



NORMAL OPERATION

LED COLOR		SIREN SOUNDS	FUNCTION	
RED	GREEN		FUNCTION	
OFF	ON	THREE CHIRPS	Indicates the unit is in process of arming. The siren will chirp three times to indicate the unit is armed and green LED will turn off	
OFF	OFF		This indicates either armed or disarmed	
ON	ON		Factory installed jumper removed from 3 & 4 terminals	
SLOW BLINKING	OFF	SLOW PULSE	Pushpad is depressed, delay to open started	
FAST BLINKING	OFF	FAST PULSE	Delay to open expired	
ON	OFF	ON	Delay to open expired, door has been opened	
DOUBLE BLINK	OFF	DOUBLE CHIRP	Low Battery - every 45 seconds	
BLINK	OFF		Armed - status ON	
OFF	BLINK		Disarmed - status ON	

BATTERY BACKUP FOR ALARM

A 9-volt battery is included as a backup power source for the alarm siren if power is lost. To disable low battery indication, slide the DisLoBat switch to 'ON'. See page 16 for location.

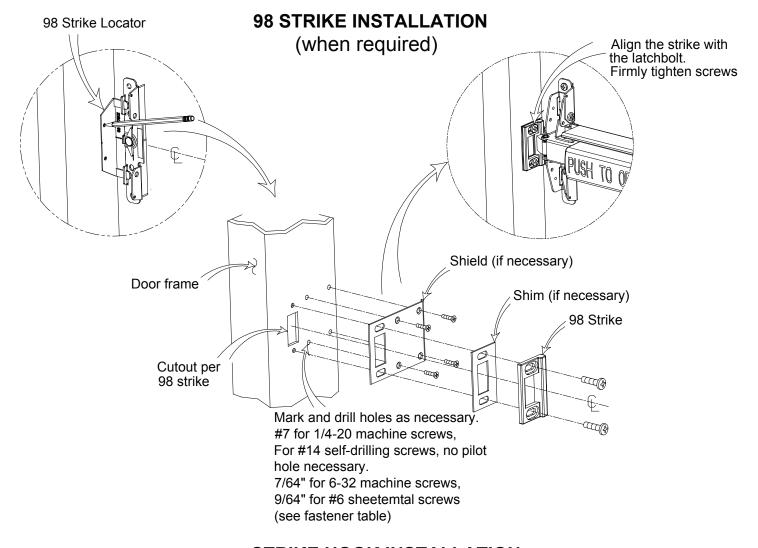
LOW BATTERY INDICATION

If battery voltage is low(7 volts or less), unit remains armed but LED flashes RED and unit beeps twice every 45 seconds. Replace battery as soon as possible.

TROUBLESHOOTING

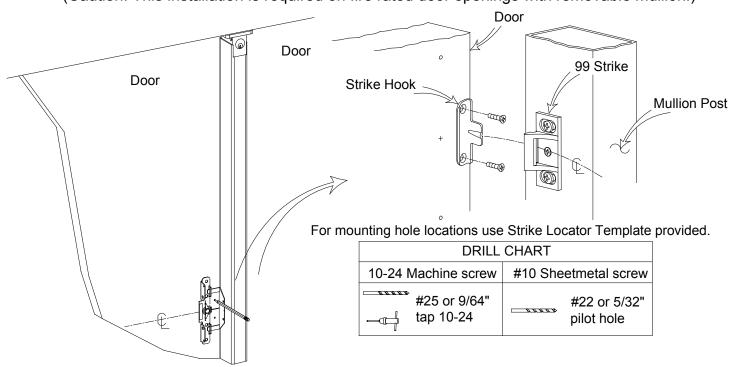
Probable Cause
Turn key clockwise to OFF position.
Confirm strike is pushing in dead latch. Door must be closed.
Confirm 24VDC power on the delayed egress device main board terminals 1(+) & 2(-).
Confirm closed fire loop connection on power supply.
Confirm cable is plugged in properly.
Confirm the mortise cylinder is functioning correctly.
Confirm the 2 pin connector on the latch end coming from the pushpad switch is plugged in properly.
Confirm closed fire loop connection on power supply.
Confirm the 2-pin header with the two red wires are plugged into the delayed egress main board.
Confirm 24VDC power on the delayed egress device main board terminals 1&2.
Factory installed jumper removed from terminals 3 and 4.
Check battery. If no battery is needed, slide DisLoBat switch on delayed egress main board to 'ON'. See electrical pages of instructions.

Technical Support 1-800-729-3839



STRIKE HOOK INSTALLATION

(Caution: This installation is required on fire rated door openings with removable mullion.)

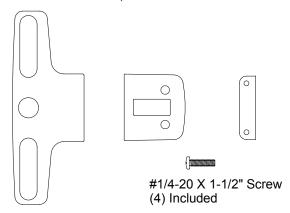


Optional Accessories

Glass Bead Kit

Catalog No: GB2 - Glass Bead Kit, 40 series

p/n: 101644



Sex Nut



The #10-32 kit is available in (4) finishes:

Catalog No: SN2 Brushed Brass BHMA 606 Finish Catalog No: SN2 Oil Rubbed Bronze BHMA 613 Finish Catalog No: SN2 Brushed Chrome BHMA 626 Finish Catalog No: SN2 Stainless Steel BHMA 630 Finish

p/n: 101617-X p/n: 101616-X

The #1/4-20 kit is available in (4) finishes:

Brushed Brass BHMA 606 Finish Catalog No: SN1 Catalog No: SN1 Oil Rubbed Bronze BHMA 613 Finish Catalog No: SN1 Brushed Chrome BHMA 626 Finish Catalog No: SN1 Stainless Steel BHMA 630 Finish

Tamper Kit

Catalog No: SSK3

p/n: 101233











Security Pin TORX® Bits provided

Narrow Stile Door Kit

(Splice Kit may be used with either 3-0 or 4-0 units)

Catalog No: NSK1

p/n: 101879-1 (628 Finish, Clear) p/n: 101879-2 (711 Finish, Black)

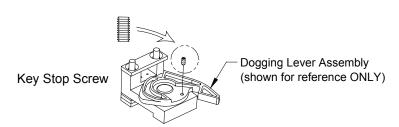






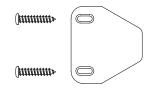
Key Stop Kit

(Momentary Shunt) Catalog No: KS p/n: 101867



Double Door Strike Kit

Catalog No: 94 p/n: 102212-1



The following Models in the series were evaluated by UL: Controlled Exit Panic Devices; Model V40. These devices may be suffixed with 01, 02, 03, 08, 09, or 14 followed by A, AN, BN, CN, DN, DNT, DNU, MN, P, PN, or WS, followed by BP2 or BP8 followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, or 711 followed by the RHR or LHR, followed by EE which may be followed by LD or CD, followed by 628 or 711, followed by 98 or 99, followed by 36 or 48.