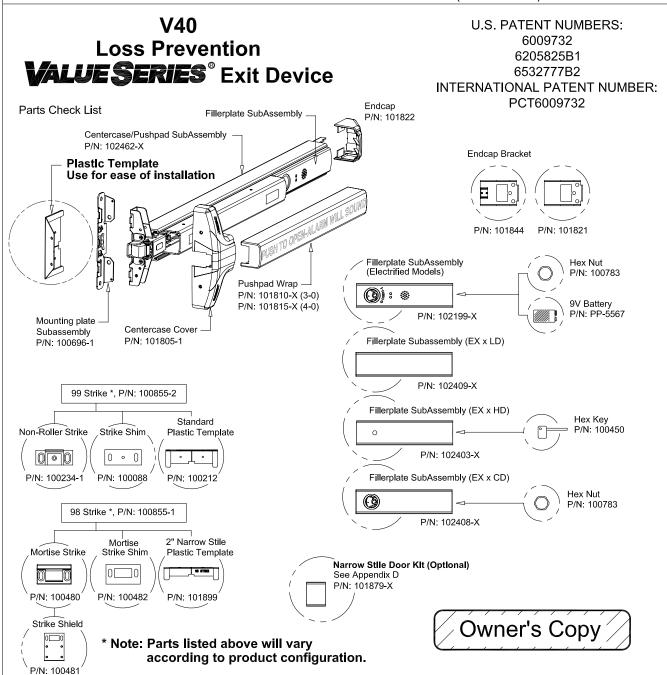


Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045 (830)629-2900 / 1-800-729-3839 / Fax (830)620-6711 E-MAIL: detex@detex.com INTERNET: www.detex.com

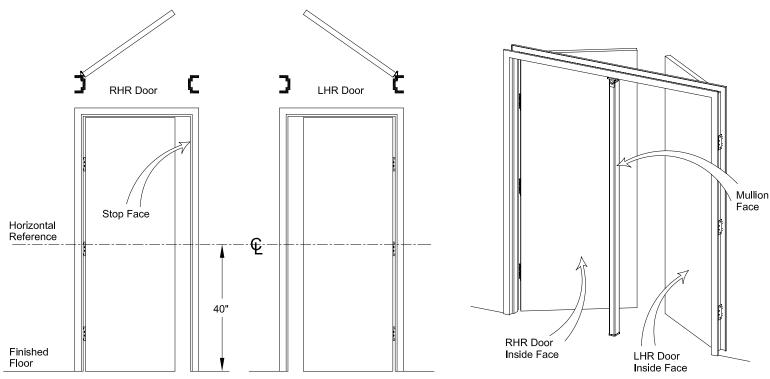
INSTALLATION INSTRUCTIONS FOR DETEX VALUE SERIES® V40 RIM PANIC HARDWARE, FV40 RIM FIRE EXIT HARDWARE AND "H" MODELS (HURRICANE)



Detex Value Series® panic hardware, when properly installed, used and maintained, is warranted to be free of defects in material and workmanship. We will, for a period of three (3) years from the date of purchase, repair or replace any part which, upon our examination, proves to be defective under normal use. Electrical components, when properly installed, used and maintained, are warranted to be free of defects in material and workmanship for a period of one (1) year. This warranty will be honored only upon presentation of proof that the product covered thereby was purchased directly from an authorized Detex distributor. WE SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE FAILURE OF THIS PANIC HARDWARE TO OPERATE.

!!!CHECK BEFORE STARTING!!! Doors and frames with walls having a structural thickness (metal skin Wide Stile (Surface Strike) plus reinforcement, or solid wood) to engage less than (3) full screw threads, are considered unreinforced for hardware. Minimum door stile 4-1/2" (114 mm) Template drawings provide door and frame Unreinforced Doors: Use Sex Nuts and Bolts structural and dimensional specifications for Unreinforced Frames: Use Blind Rivet Nuts (see sketch) door and frame preparation. Fasteners for unreinforced openings are not supplied by Detex. Narrow Stile Reinforcement Reinforced door or frame engages at Minimum door stile 2" (51mm) Surface strike possible least (3) screw threads. Mortise strike recommended Door Skin Door Must Swing Freely Door Must Not be Warped Door Must Not Bind Door Must Not Sag

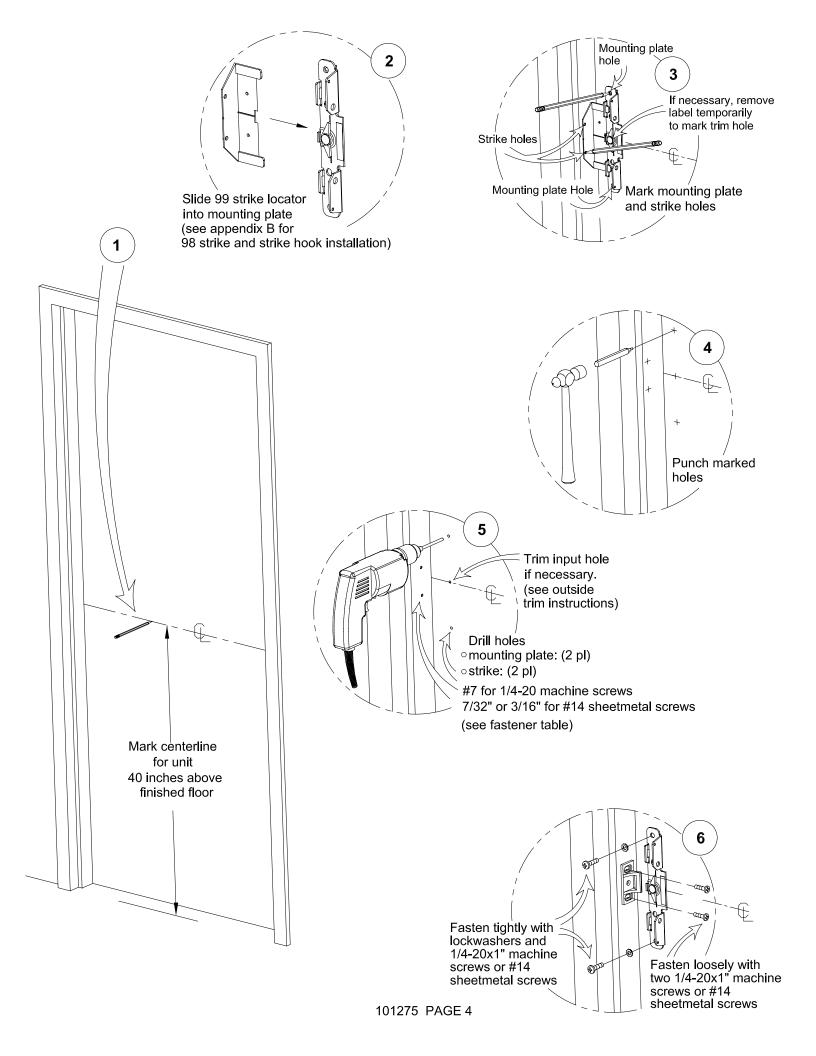
NOTE: 750mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE
(1000mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE)
THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO ITS COMPLIANCE WITH EN 1125.
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.

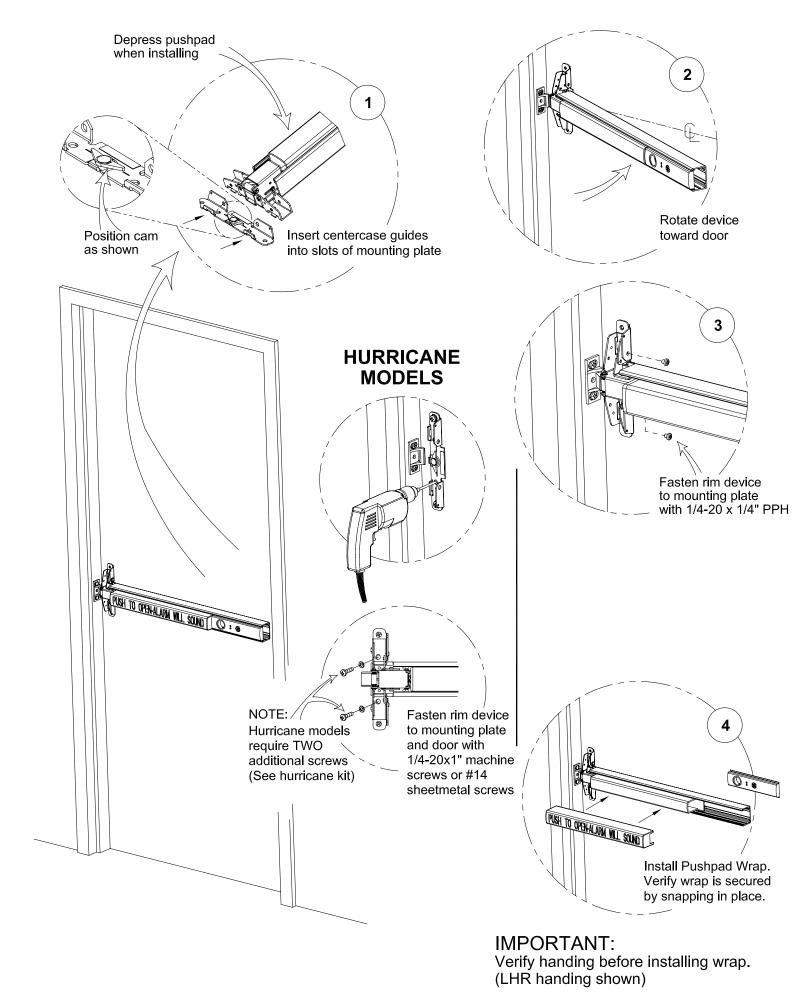


Fastener Table					
DETEX ® CORPORATION			Drill Bit	Tap Wrench	Comments
			(IIIIII)		Use Either Machine Screws, Sheetmetal Screws, or Sex Nuts
Machine Screws	#6-32 x 5/8"	PPH	#36 or 7/64	#6-32 Tap	Used on 98 Strike Shield Mounting Holes
	#6-32 x 3/8"	PPH			Used to Mount Centercase Cover and Endcap
) - minimum	#10-24 x 5/8"	PPH	#25 or 9/64"	#10-24 Tap	Used on 99 Strike Center Mounting Hole
Carrannon and a second	#1/4-20 x 1/4"	PPH			Used to Fasten Centercase Unit onto Mounting plate
f Imminiminimini	#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"	PPH	9/64"		Used on 98 Strike Shield Mounting Holes
humun.	#10 x 1"	PPH	#22 or 5/32"		Used on 99 Strike Center Mounting Hole
		PPH	7/32"		Metal Applications Used on Strike, Mounting plate, and Endcap Mounting Holes
{hmmm.	#14 x 1-1/4"	PPH	3/16"		Wood Applications Used on Mounting plate, and Endcap Mounting Holes
Sex Nut	#1/4-20		9/32" Interior Door Face		Recommended on Fire Rated Wood and
			3/8" Exterior Door Face		Unreinforced Hollow Metal Doors Used on Mounting plate and Endcap Mounting Holes
	#10-32		13/64" Interior Door Face		Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors
			5/16" Exterior Door Face		Used on Strike Hook Mounting Holes

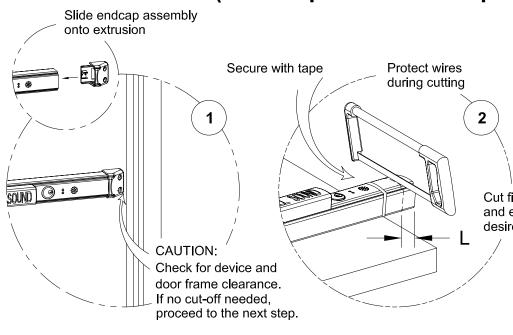
Note: (1) Fastener selection will vary per catalog configuration and kits ordered. (2) Mortise Cylinder NOT Provided.

Tools Required			
Power Drill	Pencil ••••••		
	Hack Saw		
Safety Glasses	Hammer		
Level	Tape Measure		
Screw Driver	Center Punch		





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



View A

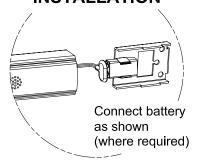
Standard Cut-Off			
Turne	Length (L)		
Type	36" Unit	48" Unit	
Electrified Model *	2 in	8 in	
EX	6 in	12 in	

*NOTE:

For additional cut down lengths, See Appendex C or call factory at (800) 729-3839 for assistance.

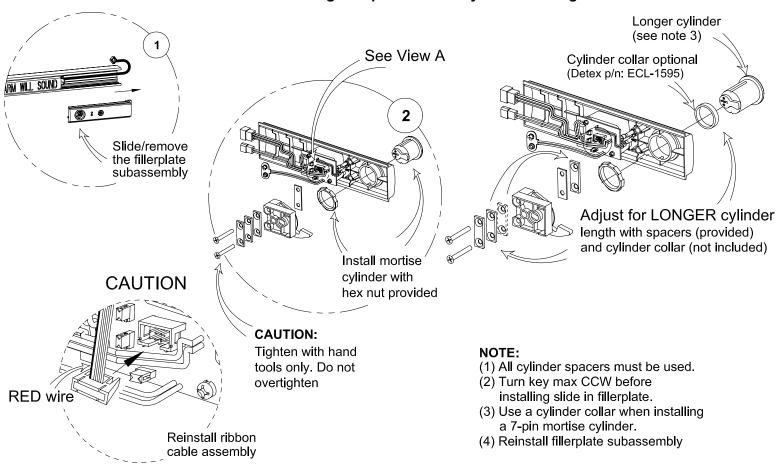
Cut fillerplate and extrusion to desired length

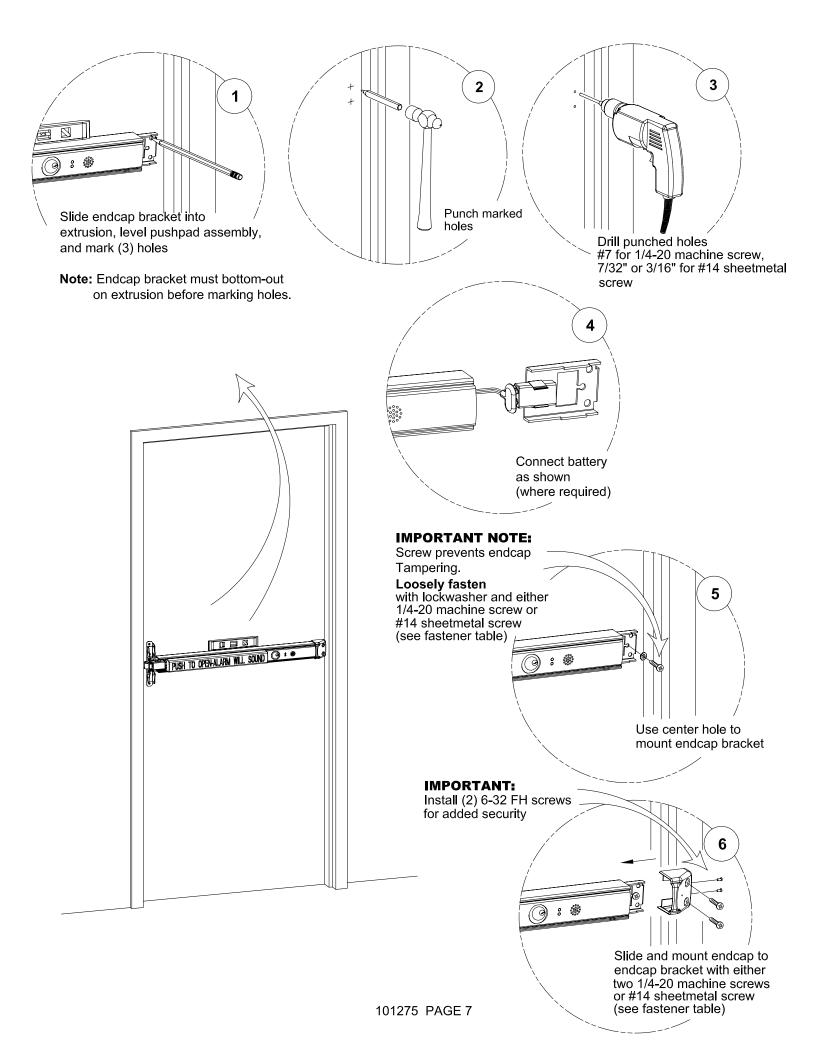
BATTERY INSTALLATION

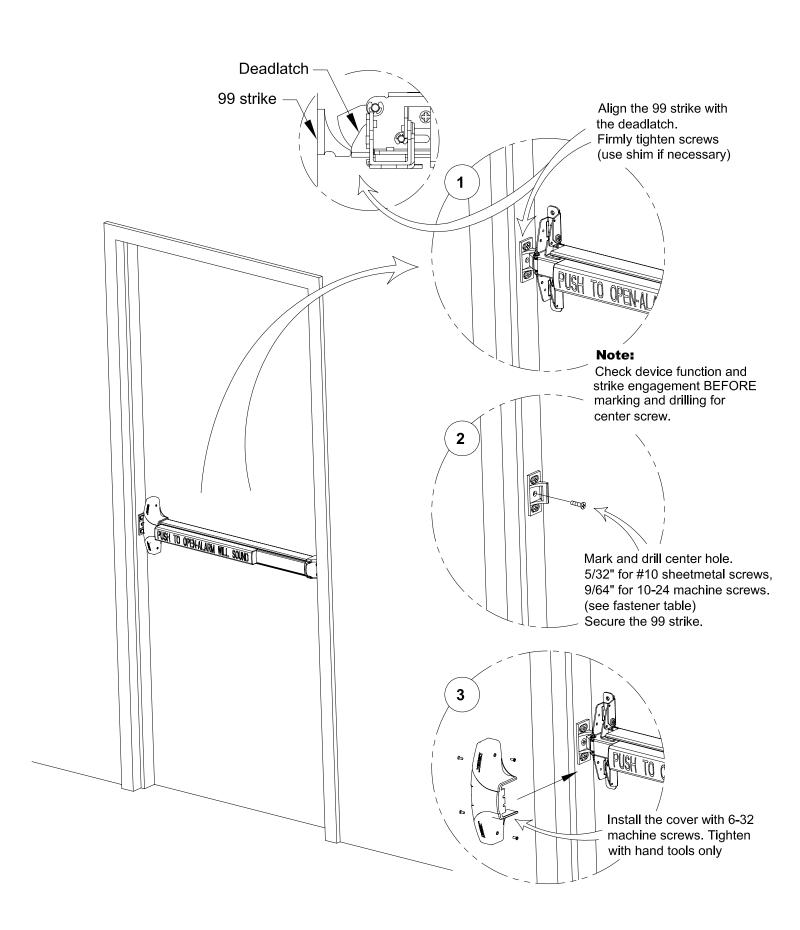


MORTISE CYLINDER INSTALLATION PRECAUTIONARY NOTES:

1. Be careful when installing fillerplate assembly not to damage ribbon cable

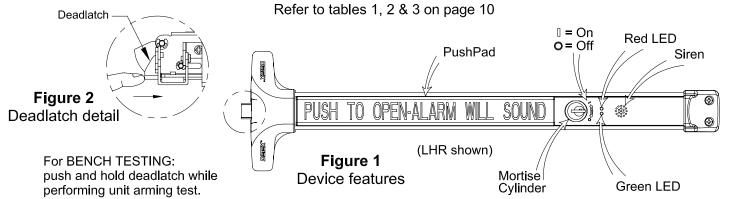






ALARM OPERATIONS

Note: Unit is shipped with Disable Auto Rearm turned ON and Status Indicator turned OFF



SPECIAL NOTES and DEFINITIONS

- 1. The door needs to be closed to test the unit.
- 2. When operating the ON/OFF switch, there is a slight delay.
- 3. The key is inserted and removed only in the horizontal position (home position).
- 4. Key function: counter clockwise (CCW) = Armed; clockwise (CW) = Disarmed
- 5. The power needs to be removed to register changes in the slide switches.
 - a. Status Indicator (This will affect battery life)
 - b. Disable Auto Rearm
 - c. Dis Lo Bat INDicator (EH units only)

UNIT ARMING TEST:

- 1. Turn key counterclockwise (CCW) (key is removable after rotating back to horizontal position)
- 2. Red LED will flash twice, then green LED will illuminate for the 15 second delay time, then turn off. The siren will sound three short beeps indicating the unit is armed.
- 3. Depress Pushpad (Siren will sound and red LED will illuminate)
- 4. Turn key clockwise (CW). Turns alarm off.

LOW BATTERY ALERT:

1. Siren will beep and red LED will blink at approximately 45 second intervals when battery is low

DOGGING FEATURE: (non-fire rated units only)

- 1. Depress Pushpad
- 2. While holding Pushpad depressed, turn key clockwise (CW). Pushpad should remain depressed (Key is removable after rotating back to horizontal position)
- 3. Unit is now disarmed.

STATUS INDICATOR

- 1. Slide the switch to ON and apply power.
- 2. If the unit is armed, the red LED will blink every 15 seconds.
- 3. If the unit is disarmed, the green LED will blink every 15 seconds.

Disable AUTO REARM

1. When the unit is in full alarm and the door closes, the alarm will shut off after 2 minutes.

Care and Maintenance:

The Detex Value Series [®] devices are designed to provide many years of maintenance free service under normal usage. Periodically inspect and lubricate the unit to extend its life.

Appendix A EB/EH SWITCH OPTIONS

Switch selections must be made before applying power or installing battery (See Figure 1)

Table 1			
Status Indicator	Status Description		
Off *	The Device gives no indication of armed or disarmed status.		
On	The Device flashes red or green LED every 15 seconds. Red indicates armed status and green indicates disarmed.		

Table 2			
Disable Auto rearm	Auto Rearming Feature Setting		
On *	Alarm sounds until turned off with key. Extended bypass is enabled.		
Off	Unit sounds alarm as long as door is open. Alarm turns off 2 minutes after door is closed		

Table 3 (EH models only) Note: AC power must be applied			
Disable Low Battery	Status Description		
Off *	The device flashes one red LED and one beep about every 45 seconds		
On	The Device gives no indication of battery being low.		

Selector switches detail

See Table 3

See Table 2

Figure 1

* Factory default settings: STATUS INDICATOR switch set to "OFF" Disable AUTO REARM switch set to "ON" Dis Lo Bat switch set to "OFF"

See Table 1

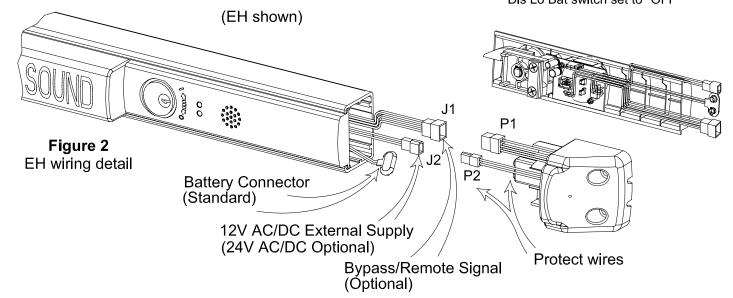
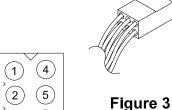
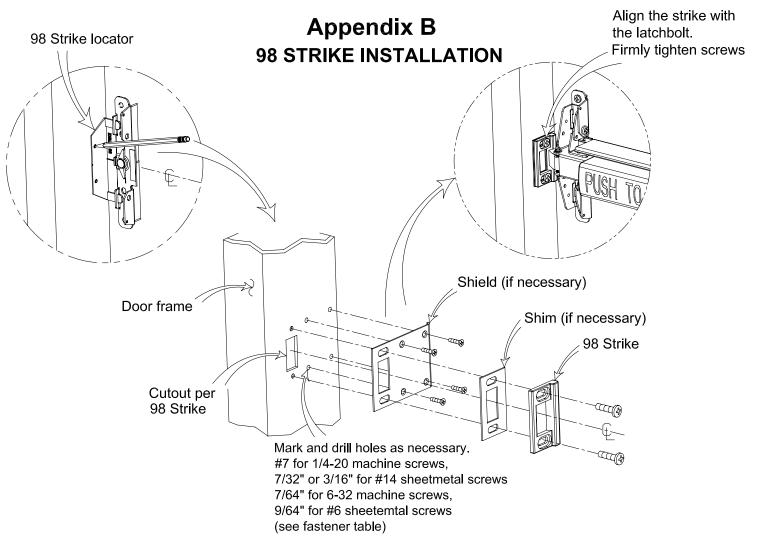


Table 4 (P1 wire usage)					
Remote Signal		Remote Bypass			
Pin 1	Brown	Common	Pin 4	Violet	N.O. contact
Pin 2	Yellow	Normally Open	Pin 5	Violet	N.O. contact
Pin 3	Green	Normally Closed	Pin 6		
Contacts rated at 1.0A @ 30VDC or 0.5A @ 125VAC					

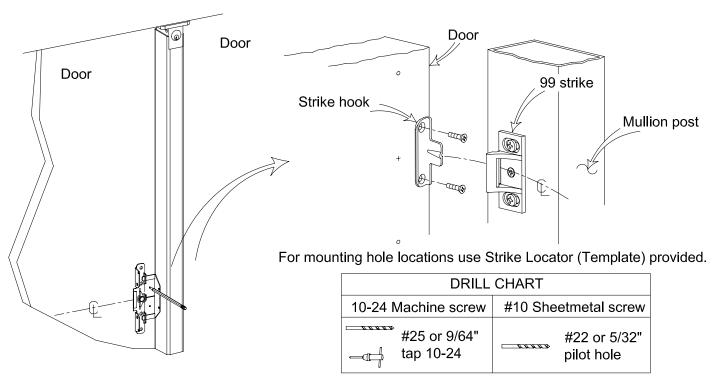


P1 detail

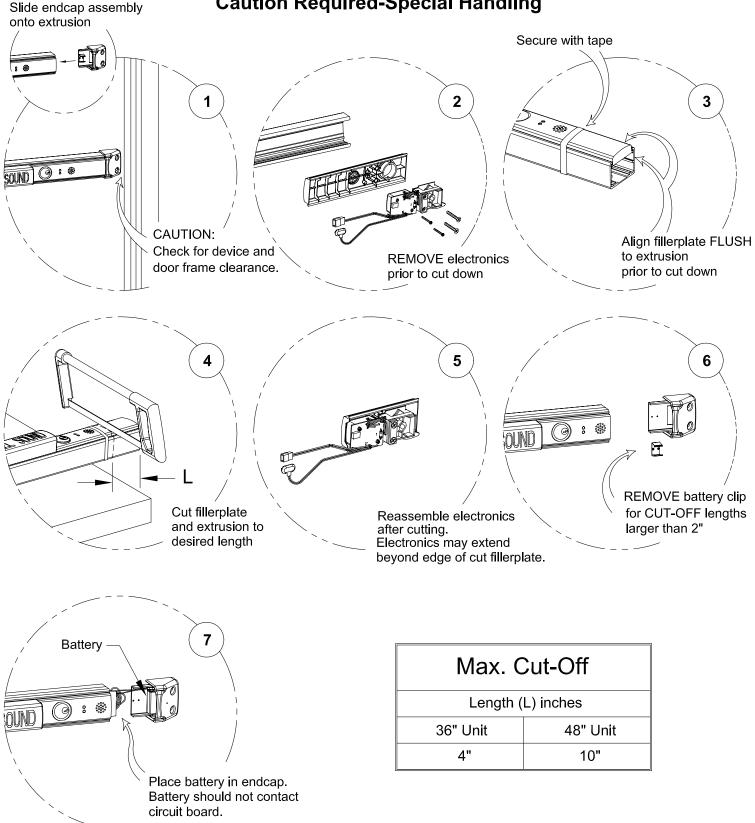


STRIKE HOOK INSTALLATION

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



Appendix C Procedures for Additional Cut Down Lengths Caution Required-Special Handling



Appendix D

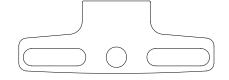
Optional Accessories

Glass Bead Kit

Catalog No: GB15



#1/4-20 X 1-1/2" Screw (4) Included

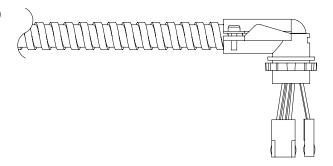






Flex Conduit Kit

Catalog No: FCV-3 FCV-10





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

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

Catalog No: SN1 Brushed Brass BHMA 606 Finish
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

(Security Kit)
Catalog No: SSK3









Security Screws

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 (628 Finish, Clear) Catalog No: NSK1 (711 Finish, Black)



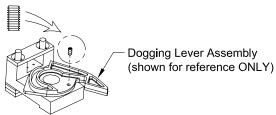




Key Stop Kit

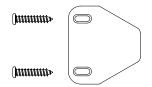
(Momentary Shunt) Catalog No: KS





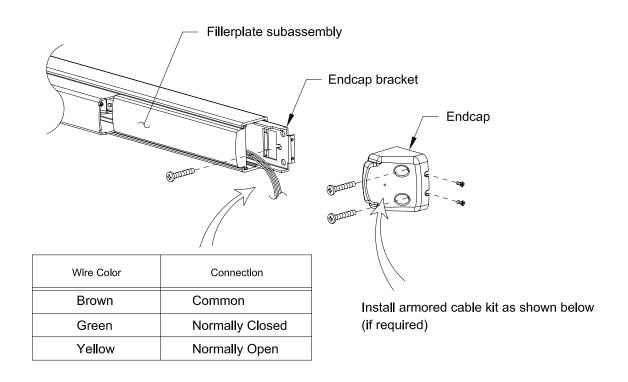
Double Door Strike Kit

Catalog No: 94 with security screws Catalog No: 95 with standard screws



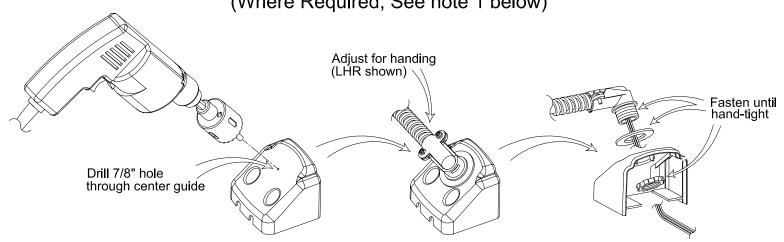
Appendix E

V40 x EX Wiring Assembly



FLEX CONDUIT INSTALLATION

(Where Required, See note 1 below)



Note: (1) For high traffic areas an electric through-wire hinge or power transfer is recommended.

V40 (with Alarm) Troubleshooting Tips for Default Setting

	,	
PROBLEM	PROBABLE CAUSE	ACTION
When unit is armed, red LED flashes twice, green LED is on for 15 seconds, but the unit does not give three beeps after the green LED goes off.	Deadlatch not in proper position.	Close door. Door not fully closed. Press deadlatch manually as shown in Figure 2 on Page 5. If unit operates properly, check unit's backset and adjust unit or add shims to strike as needed.
	Ribbon cable not properly seated.	Make sure the ribbon cable is firmly seated onto the circuit board.
	The ribbon cable is damaged.	Visually inspect cable and if the cable is damaged, replace push pad assembly P/N 102462-X.
No LED activity when key is turned ccw to armed position.	Dead or weak battery.	Install new battery, LED's should flash and the siren beep once.
	Battery not secured to connector correctly.	Secure battery correctly.
	Battery connector or wires damaged.	Call Detex. 1-800-729-3839
	No AC power (EH models).	Verify power from transformer and check for correct voltage at connector P2.
AC powered unit (EH, EHxR) give a low battery indication.	Battery not installed.	Install battery. If battery is not desired, disconnect power and slide the 'Dis Lo Bat IND' switch to 'ON' position.
LED's do not flash to indicate armed or disarmed status.	Status Indication switch in off position.	Remove AC (P2) and battery power from unit. Slide 'Status Indicator' switch to 'ON' position. Reinstall battery and AC power on EH models.