

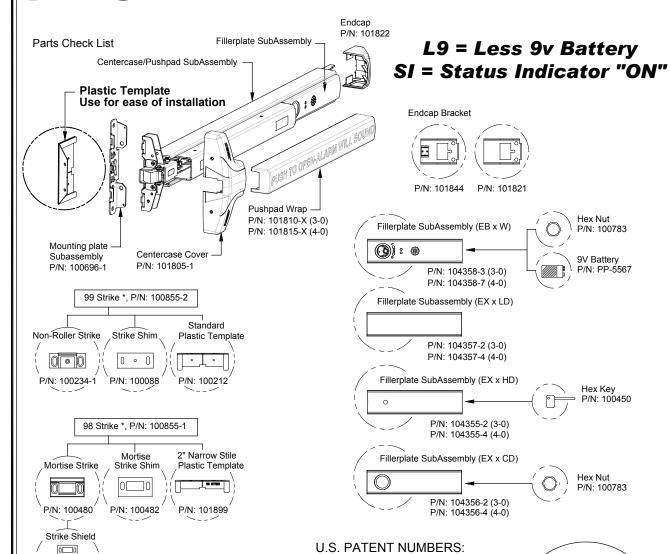
Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045 (830)629-2900 / 1-800-729-3839 / Fax (830)620-6711 E-MAIL: detex@detex.com INTERNET: www.detex.com

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

FV40/ V40 x EB x W V40 x EX x W

VALUE SERIES® Exit Device





Note: Parts listed above will vary according to product configuration.

*Narrow Stile "NS" option

P/N: 100481

Mortise cylinder not included with device. Standard Yale type cam required.

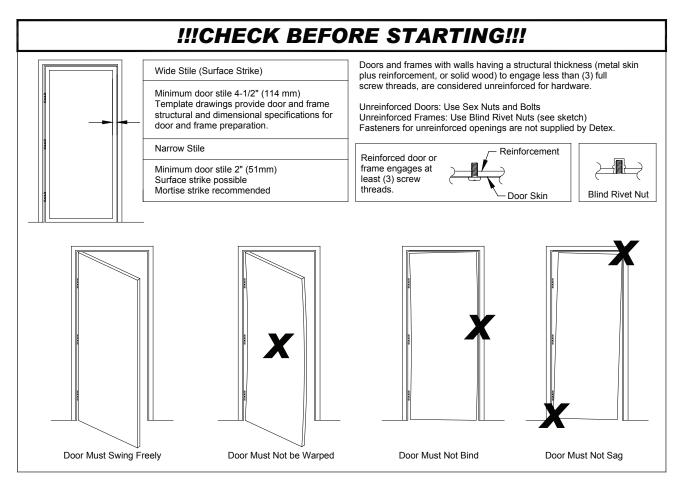
6205825B1 6532777B2 INTERNATIONAL PATENT NUMBER: PCT6009732

6009732

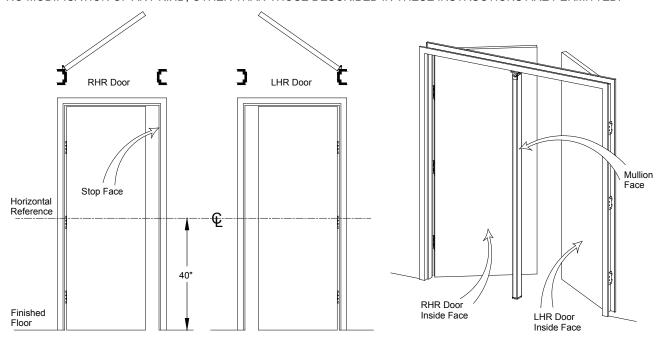
Owner's Copy

See Optional Accessories

- For: - Glass Bead Kit
- Sex Nuts
- Tamper Kit
- Double Door Strike Kit
- Key Stop Kit
- √ Narrow Stile Kit



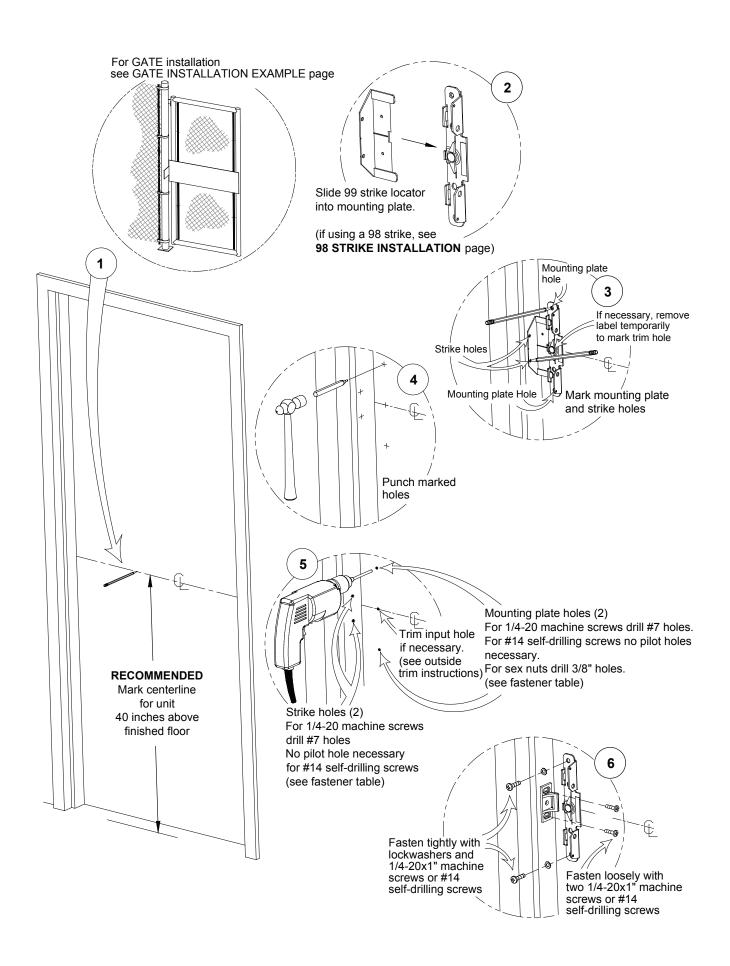
NOTE: 750mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 36" DEVICE (1000mm MAXIMUM DOOR WIDTH OPENING FOR EUROPE FOR 48" DEVICE)
THE SAFETY FEATURES OF THIS PRODUCT ARE ESSENTIAL TO ITS COMPLIANCE WITH EN 1125.
NO MODIFICATION OF ANY KIND, OTHER THAN THOSE DESCRIBED IN THESE INSTRUCTIONS ARE PERMITTED.

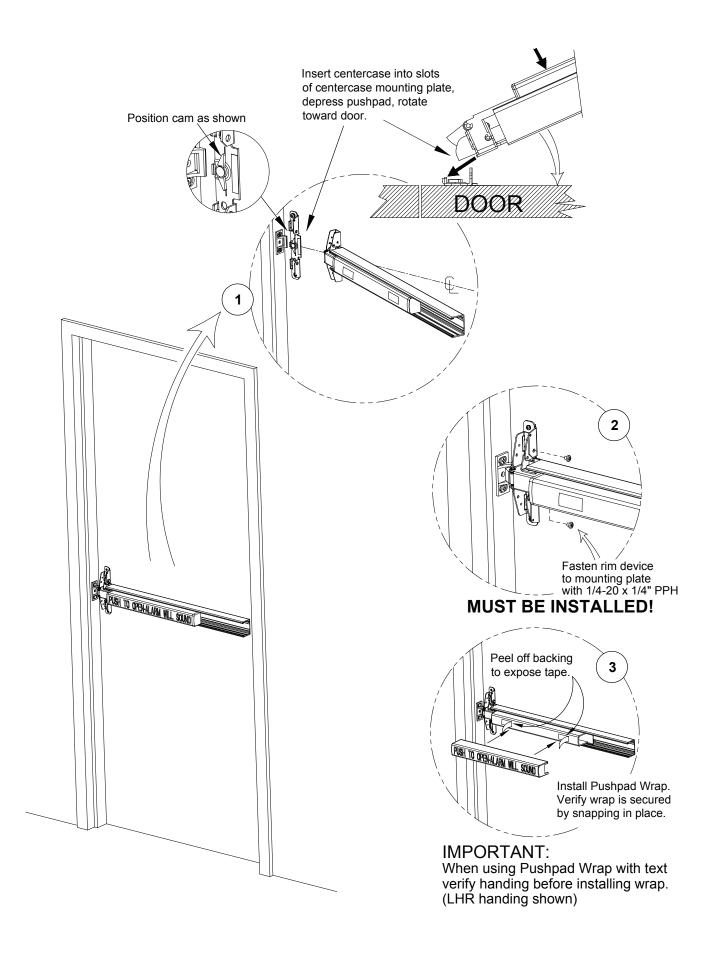


Fastener Table					
D			Drill Bit	Tap Wrench	Comments
			(MIMAIA		Use Either Machine Screws, Sheetmetal Screws, or Sex Nuts
Machine Screws	#6-32 x 5/8"	PPH	#36 or 7/64	#6-32 Tap	Used on 98 Strike Shield Mounting Holes
ļ.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	#6-32 x 3/8"	PPH			Used to Mount Centercase Cover and Endcap
	#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
f Imminimimi	#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
{mmm>	#14 x 1"	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		13/64" Interior Door Face		Recommended on Fire Rated Wood and Unreinforced Hollow Metal Doors
	#10-32		5/16" Exterior Door Face		Used on Strike Hook Mounting Holes

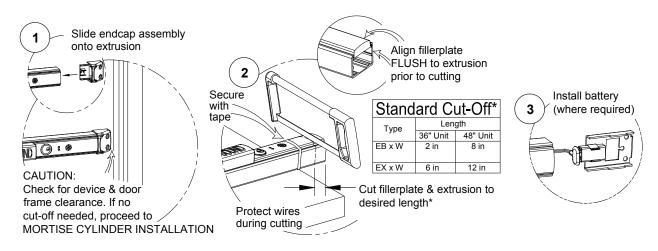
Note: (1) Fastener selection will vary per catalog configuration and kits ordered. (2) Mortise Cylinder NOT Provided.

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

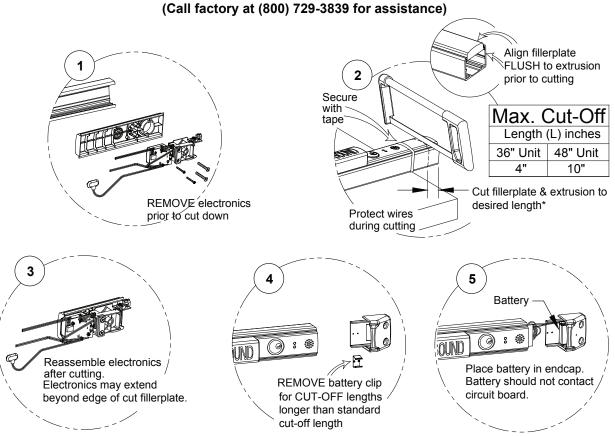




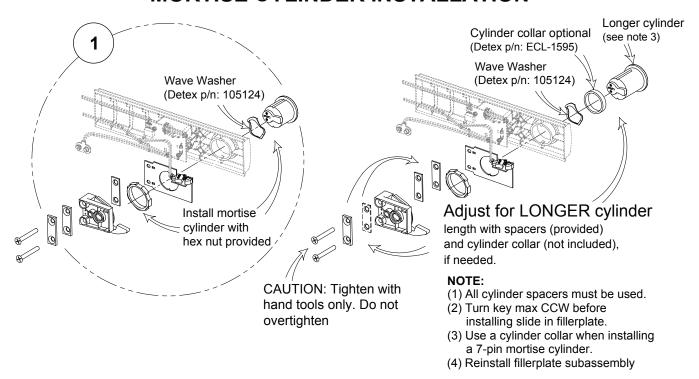
CHECKING FOR DEVICE CLEARANCE (Cut-Off procedure if required)



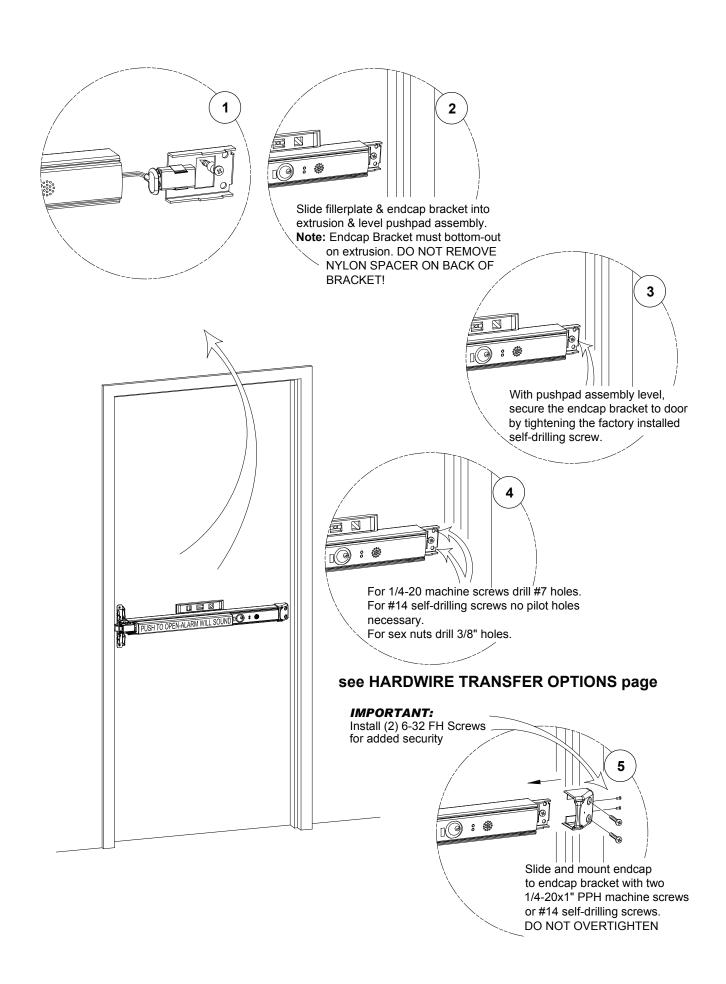
Procedures for Maximum Cut Down Lengths Caution Required-Special Handling

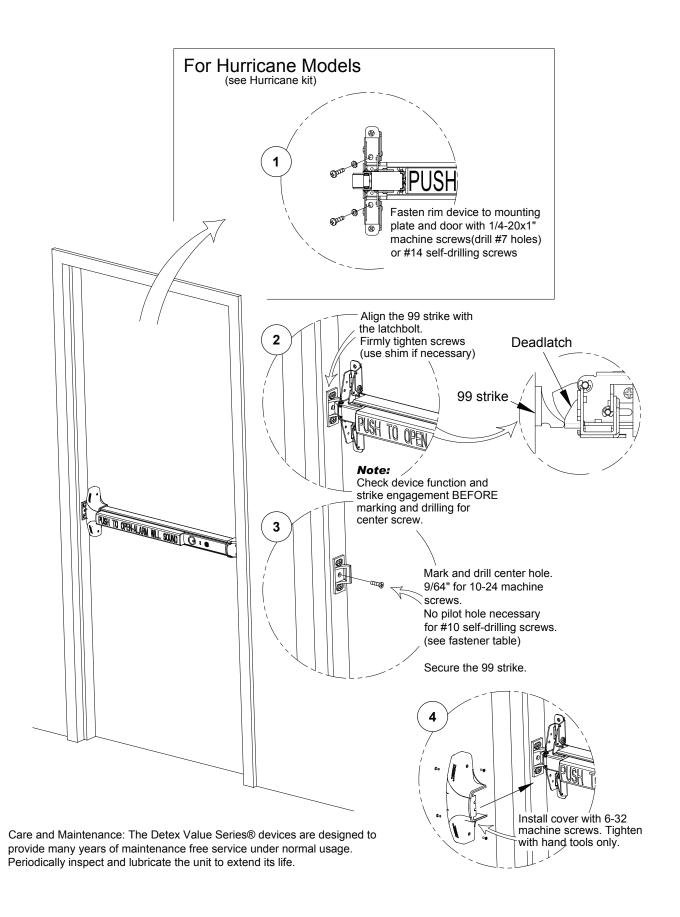


MORTISE CYLINDER INSTALLATION



Refer to switch options pages





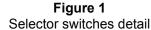
SWITCH OPTIONS

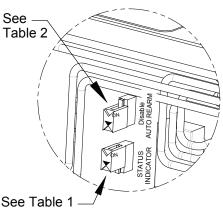
Switch selections must be made before installing battery (See Figure 1)

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 3 seconds. Red indicates armed status and green indicates disarmed.		

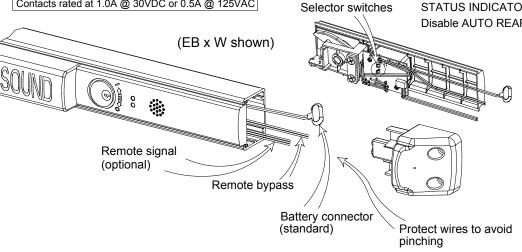
Table 2				
Disable Auto rearm	Auto Rearming Feature Setting			
On *	Alarm sounds until turned off with key. Extended bypass is enabled.			
Off	Unit sounds alarm for 2 minutes after bar is released. Alarm will automatically rearm after 2 minutes			

Table 3			
Remote S	ignal	Remote Bypass	
Brown	Common	Violet	N.O. contact
Yellow	Normally Open	Violet	N.O. contact
Gray-Green	Normally Closed		
Contacts rated at 1.0A @ 30VDC or 0.5A @ 125VAC			

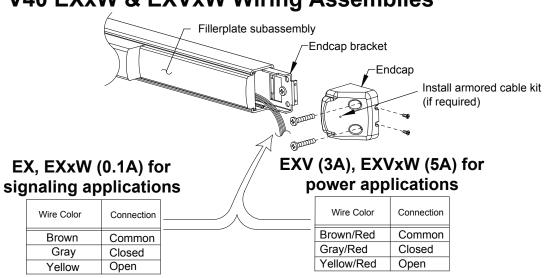




* Factory default settings: STATUS INDICATOR switch set to "OFF" Disable AUTO REARM switch set to "ON"



V40 EXxW & EXVxW Wiring Assemblies



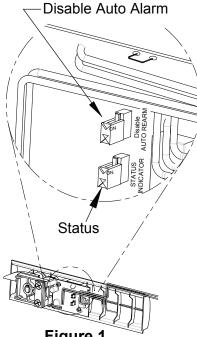
L9SI SWITCH OPTIONS L9 = Less 9v battery

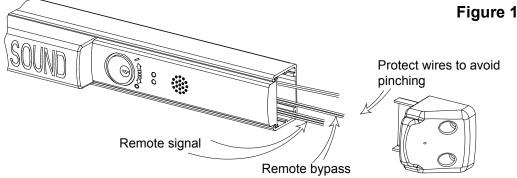
SI = Status indicator

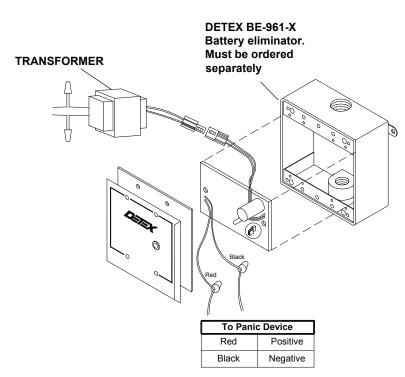
Switch selections must be made before applying power.

L9SI factory presets			
Status Indicator	On	The Device flashes red or green LED every 3 seconds.	
Disable Auto rearm On Alarm sounds until turned off with key.		Alarm sounds until turned off with key.	
Disable Low Battery	Jumper	(No battery or leads on device)	

Table 3			
Remote S	ignal	Remote Bypass	
Brown	Common	Violet	N.O. contact
Yellow	Normally Open	Violet	N.O. contact
Gray-Green	Normally Closed		
Contacts rated at 1.0A @ 30VDC or 0.5A @ 125VAC			

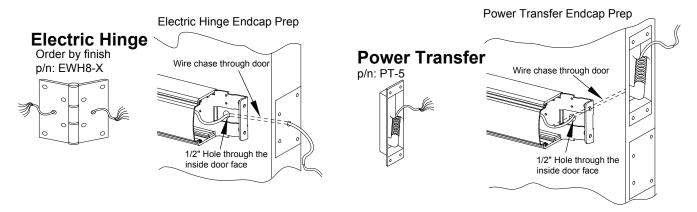




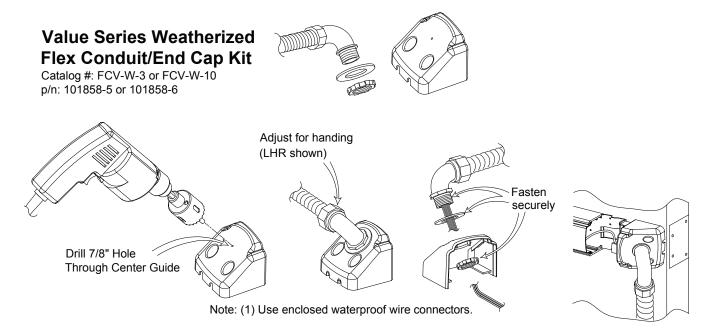


HARDWIRE TRANSFER OPTIONS

(Requirements: Minimum 6 Conductor Wires, Maximum 12 Conductor Wires)



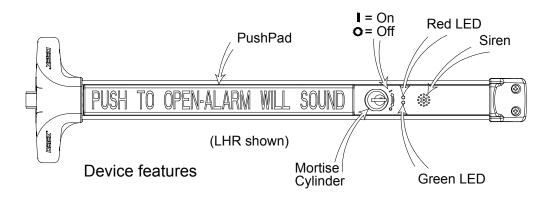
Note: For high traffic areas an electric through-wire hinge or power transfer is recommended.



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ALARM OPERATIONS

Refer to switch options pages



SPECIAL NOTES and DEFINITIONS:

- 1. When operating the ON/OFF switch, there is a slight delay.
- 2. The key is inserted and removed only in the horizontal position (home position).
- 3. Key function: counter clockwise (CCW) = Armed; clockwise (CW) = Disarmed.
- 4. 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
- 5. Arming delay mode and auto rearm timers vary by order.

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 3 seconds.
- 3. If the unit is disarmed, the green LED will blink every 3 seconds.

Disable AUTO REARM (Off):

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

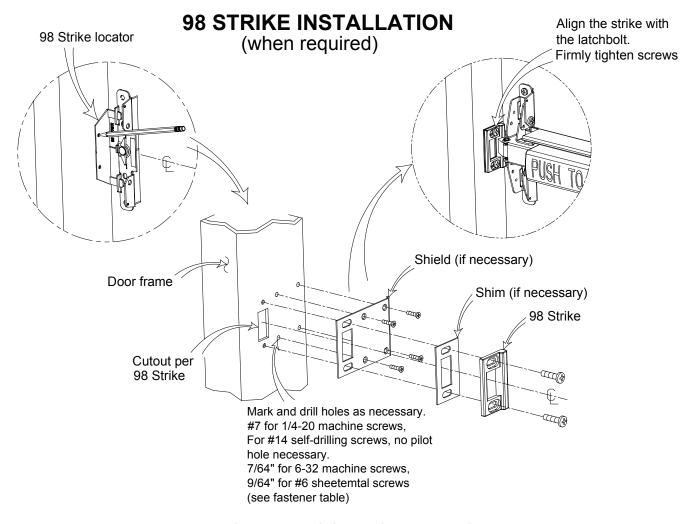
Care and Maintenance:

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.

V40xEBxW Troubleshooting Tips for Default Setting

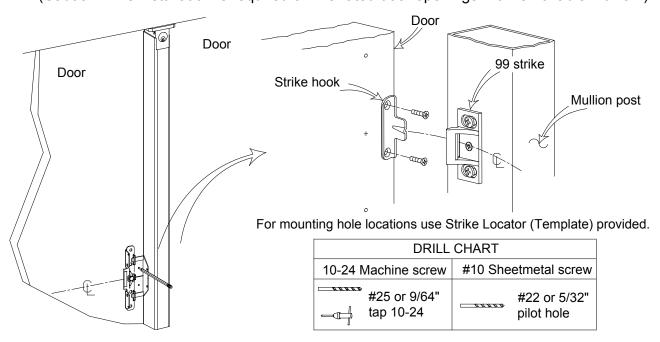
PROBLEM	PROBABLE CAUSE	ACTION
When unit is armed, red LED flashes twice, green LED is on for 15 seconds, but the unit does not give three beeps after the green LED goes off.	The actuator is sticking to the micro switch.	Verify plastic actuator is functioning correctly. Check spring on actuator.
No LED 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 external power.	Check for loose connections or power turned off. LED's should flash and the siren beep once.
Gives a low battery indication.	Low battery.	Install new battery, LED's should flash and the siren beep once.
LED's do not flash to indicate armed or disarmed status.	Status indicator switch in off position.	Remove battery power from unit. Slide 'Status Indicator'switch to 'ON' position. Reinstall battery. (or if L9 option ordered) Turn power to unit off. Slide status indicator switch to the ON position. Reconnect power.
Battery connector missing	L9 option ordered	Battery connector not supplied with L9 option.

Technical Support 1-800-729-3839



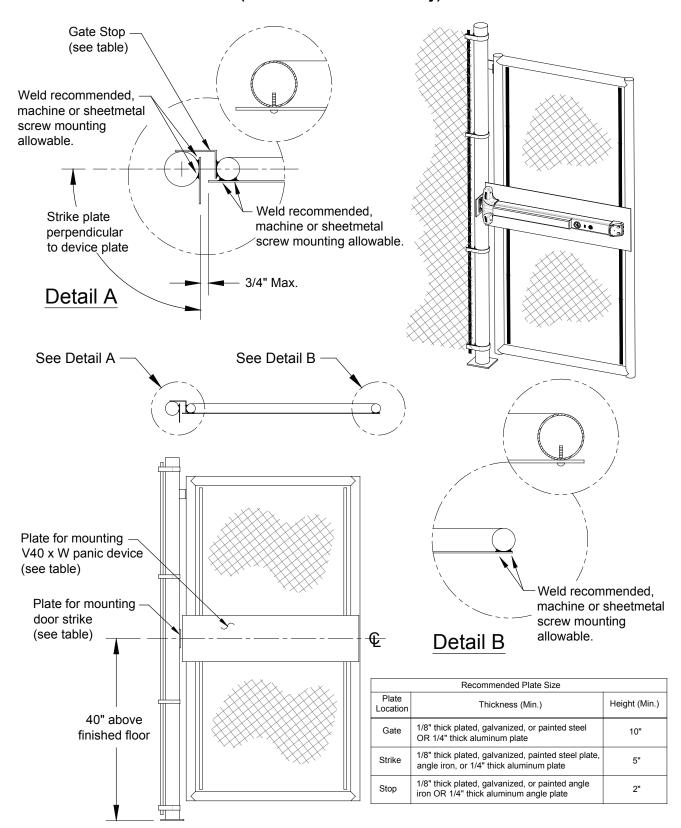
STRIKE HOOK INSTALLATION

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



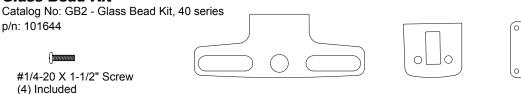
GATE INSTALLATION EXAMPLE

(Actual installation will vary)



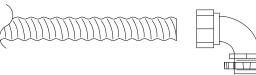
Optional Accessories

Glass Bead Kit



Flex Conduit Kit

Catalog No: FCV-W-3 or FCV-W-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

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

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

p/n: 101233



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

p/n: 101879-1 (628 Finish, Clear) p/n: 101189-2 (711 Finish, Black)



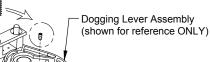




Key Stop Kit

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



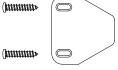


Double Door Strike Kit

Catalog No: 94 Security screws p/n: 102212-1

p//// 102212 1

Catalog No: 95 - Standard screws p/n: 102212-2



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 EBxW or EXxW, which may be followed by LD or CD, followed by 628 or 711, followed by 98 or 99, followed by 36 or 48.