

ELECTRICAL INSTRUCTIONS FOR DETEX ADVANTEX[®] EE-ER ELECTRIC RETRACTION - DELAYED EGRESS MODELS

ADVANTEX[®] RIM, SVR, CVR & MORTISE



Dwg #: 103850 EExER RIM (SS)
103700 EExERxULC RIM (S.S.)
104600 RIM (AL)
104550 EExER SVR (S.S.)
103750 EExERxULC SVR (S.S.)
104690 SVR (AL)
103370 EExER MORTISE (S.S.)
103740 EExERxULC MORTISE (S.S.)
104695 MORTISE (AL)
105260 CVR (60)
105270 CVR (70)
105280 CVR (80)

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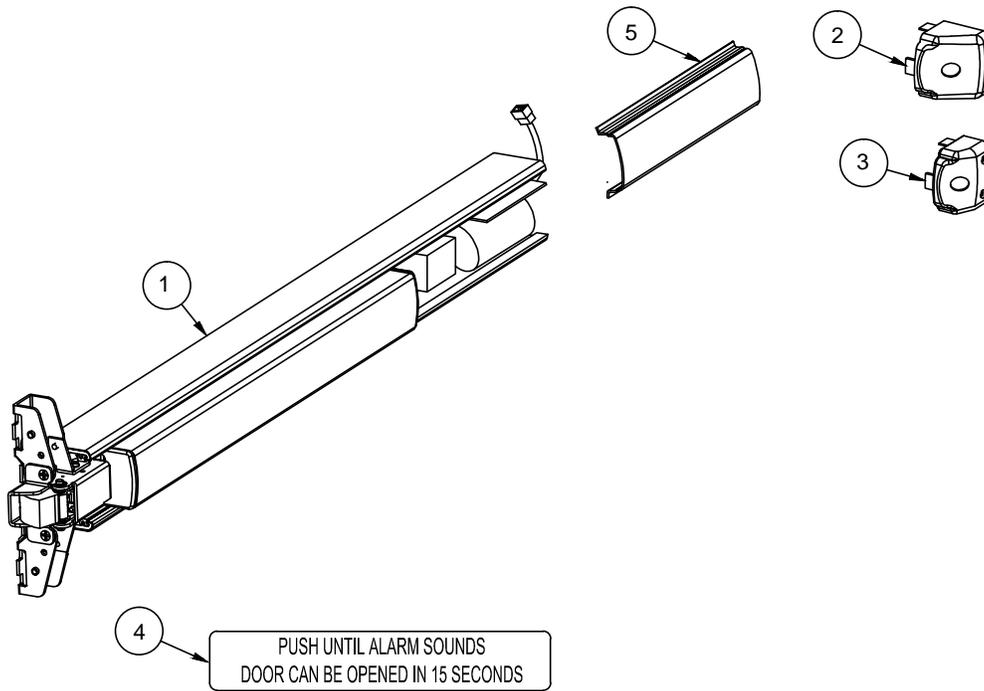
Should you have a Question/Problem with your Detex device please call Detex Technical Support from the job site at 1-800-729-3839 and choose option 2 on our menu. Please do not return the product to the distributor.

For WARRANTY information,
scan code below or
go to www.detex.com/warranty



For device installation videos,
scan code below or
go to www.detex.com/videos





PARTS BREAKDOWN		
Item	Order Part #	Description
1	105500-56	Centercase/Pushpad SubAssembly, 10 series, EE-ER, 36", 630 finish
	105500-79	Centercase/Pushpad SubAssembly, 10 series, EE-ER, 48", 630 finish
	105500-110	Centercase/Pushpad SubAssembly, RHR 20 series, EE-ER, 36", 630 finish
	105500-14	Centercase/Pushpad SubAssembly, RHR 20 series, EE-ER, 48", 630 finish
2	102095-9	EC1 Endcap 630 finish (drilled for Flex Conduit)
3	104686-1	EC2 Endcap, Aluminum, Aluminum painted (drilled for Flex Conduit)
	104317-9	EC2 Endcap, Stainless Steel 630 finish (drilled for Flex Conduit)
4	ECL-395	Door Sign, 15 second delayed egress
	ECL-395-1	Door Sign, 30 second delayed egress
5	100860-59	Filler, 10 series, 36" device, 630 finish
	100860-60	Filler, 10 series, 48" device, 630 finish
	100860-146	Filler, 20 series, 36" device, 630 finish
	100860-147	Filler, 20 series, 48" device, 630 finish

Detex Power Supply Catalog No:
 84-800 EExER Single Door application
 85-800 EExER Double Door application

Power Supply / Controller sold separately

Your particular part or configuration may not be shown:
 Contact Detex technical support at 800-729-3839 (option 2)

RISER DIAGRAMS AND POWER TRANSFER OPTIONS

Detex 84-800 or 85-800 filtered and regulated power supply with fire alarm system loop (packaged separately).
 Detex requires the power supply be located within 15 feet of the device.
 20' harness is provided.

Provide wiring conduit, connector, etc between detex 84-800 or 85-800 power supply and fire alarm control panel as required to allow the fire alarm system to override the Detex delayed egress feature during a fire alarm.

Refer to wiring & fire alarm diagrams for wiring instructions

The loss of power or open fire alarm circuit will cause the lock to unlock.

Minimum 10 ga stranded grounding wire required

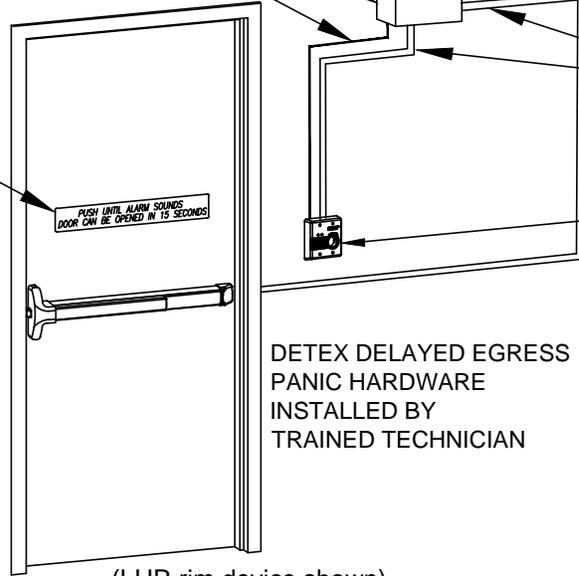
Door sign supplied with Detex delayed egress panic hardware

DETEX SUPPLIED CABLES
 Recommendation for others:
 Min. 22 ga wire for signaling.
 Min. 18 ga wire for power.

Remote interface may be surface mounted or recessed.

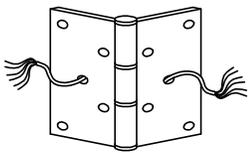
If cylinder is used, mount appropriately.
 If cylinder not used, mount 8' to 10' high.

DETEX DELAYED EGRESS PANIC HARDWARE
 INSTALLED BY
 TRAINED TECHNICIAN

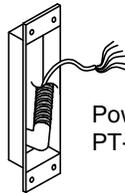


(LHR rim device shown)

HARDWARE TRANSFER OPTIONS



Electric Hinge
 p/n: EWH8-626

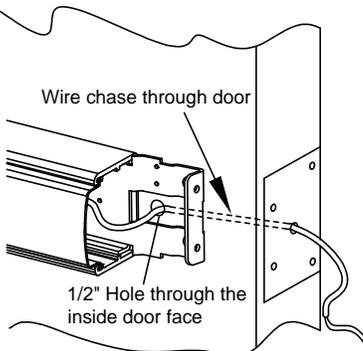


Power Transfer p/n:
 PT-5 or PT-56C

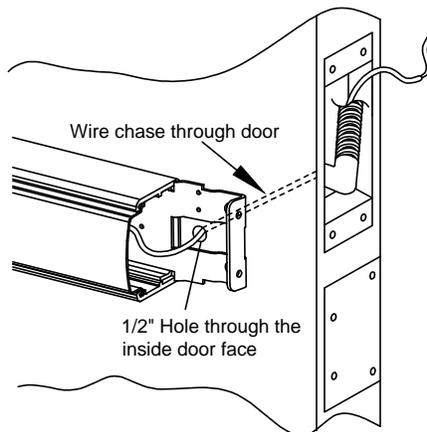


Flex Conduit/End Cap Kit
 p/n: FC3EC1 (EC1 shown)
 (specify finish when ordering)

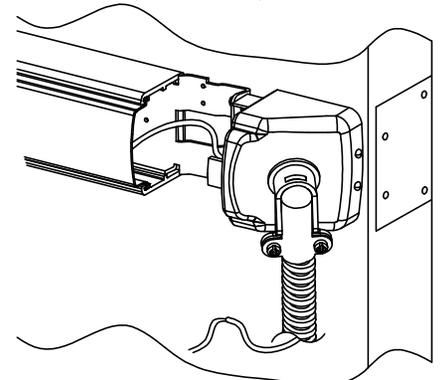
Electric Hinge Endcap Prep



Power Transfer Endcap Prep

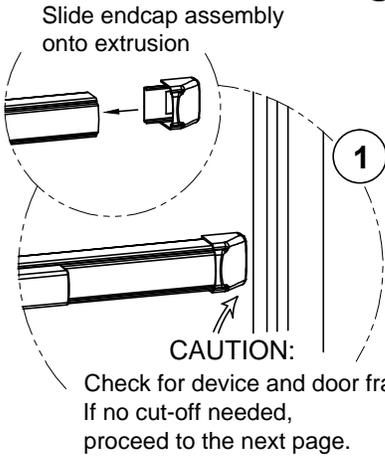


Flex Conduit Endcap Prep
 (EC1 shown)

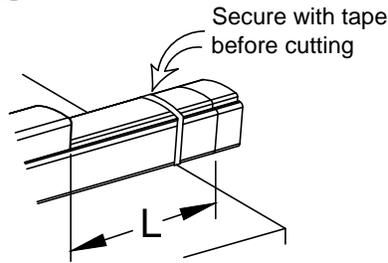


Note: For high traffic areas an electric through-wire hinge or power transfer is recommended.

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



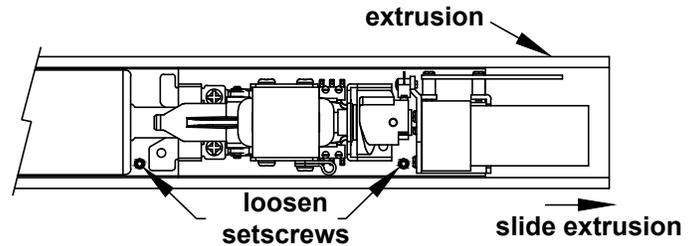
2 Cut fillerplate and extrusion STRAIGHT & SQUARE to desired length and deburr



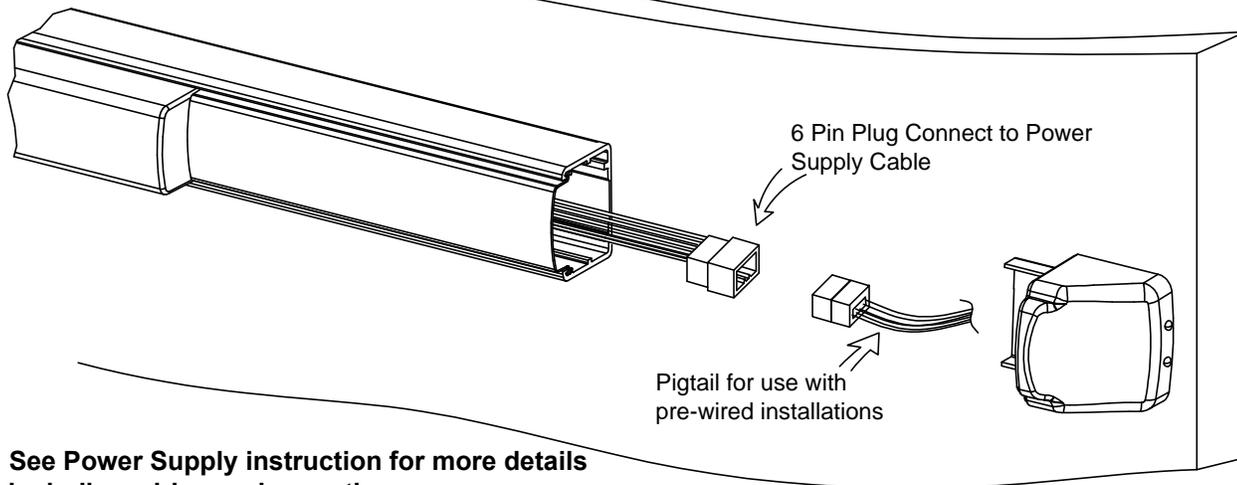
Minimum Fillerplate Length	
Type	Length (L)
EExER	9"

NOTE: No cutdown for 36" device
www.detex.com/cutdown

For aluminum Advantex finish cutdown applications:
After cutting, the baseplate extrusion can be reversed to place the cut end inside the head cover. To do so, loosen the 2 setscrews inside the aluminum baseplate extrusion and slide extrusion out, reverse, & slide back in. Tighten setscrews.

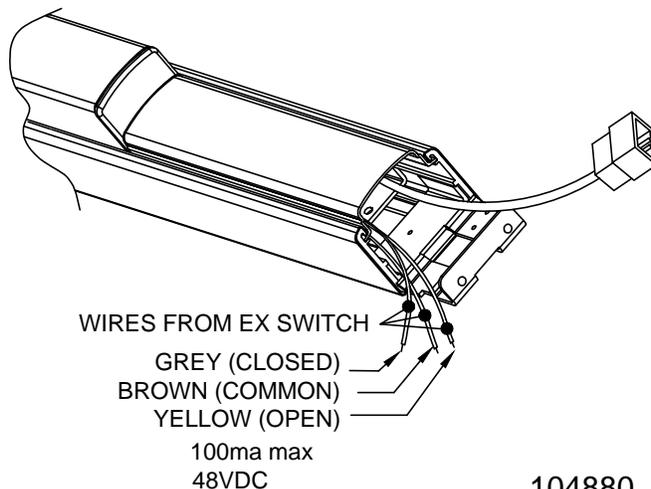


EExER ELECTRICAL CONNECTIONS



See Power Supply instruction for more details including wiring and operations.

EX Switch



The EExER Device comes with EX switch which is activated by the movement of the pushpad. This can be used to operate additional security devices. If not used, wires may be trimmed or tucked securely inside unit.

	Amperage	Wire Color	Switch Position
EX	50mA max.	Grey	Closed
		Brown	Common
		Yellow	Open
EXV	3A max.	Grey/Red	Closed
		Brown/Red	Common
		Yellow/Red	Open

TROUBLE SHOOTING

Problem	Probable cause & remedy
Latch drags on the strike when pushpad is manually depressed.	Re-adjust top rod per top rod adjustment section. Remove the shim plate from the strike if used.
Latch drags on the strike during retraction or does not dog unlocked.	For SVR: Remove the rods from the centercase and test. If the problem goes away, the rods need to be adjusted. OR For All: Eye bolt needs to be adjusted. See below.
Motor stalls or fails to complete cycle.	For Rim: When adjusted correctly, the latch should protrude 1/16" past the deadlatch (see below). For SVR: Rods could be binding or mis-installed. See SVR instruction p/n 104882. For Mortise: Check lock mechanism. See Mortise instructions, p/n 104883.
Will not arm while bench testing.	Ensure panic bar is positioned as shown in Fig C below.

For further assistance, contact Detex Technical Support at 1-800-729-3839

ADJUSTMENT & TEST PROCEDURE

EQUIPMENT NEEDED: Detex Controller (see instructions for connection locations)
or 24VDC power supply with leads.

Place device on table on it's side with centercase to the left to test (Fig C).

1. Attach power supply to red(+) and black(-) wires on ER module. Wires are polarity sensitive.
2. Keep hands clear of pushpad assembly.
3. Turn power supply ON. Pushpad should pull down and retract.
4. Verify that latch in CENTERCASE is fully retracted.

Latch should not stick out past deadlatch bolt more than 1/16". (See Fig. B)

5. If latch protrudes more than 1/16", remove pin & re-adjust the eyebolt by turning only 1/2 turn at a time (Fig A). Repeat test until 1/16" is achieved.
6. Turn power supply OFF. This should release the pushpad and latch. TEST IS COMPLETED.

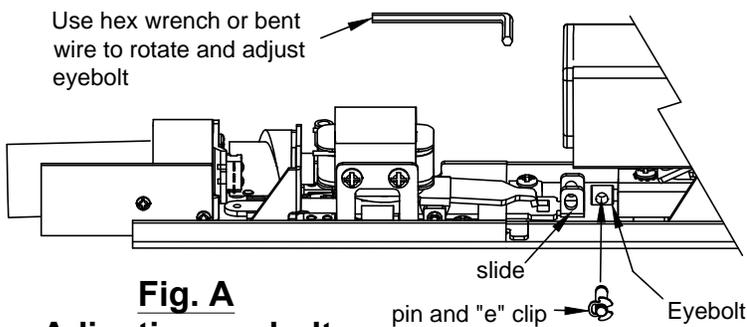


Fig. A
Adjusting eyebolt

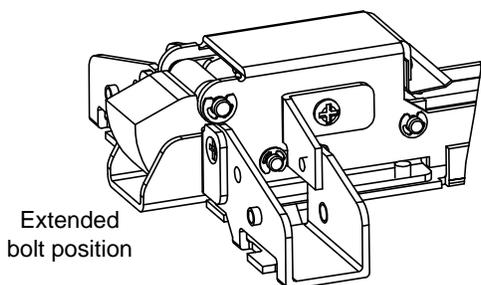


Fig. B
Bolt Position
(Rim only)

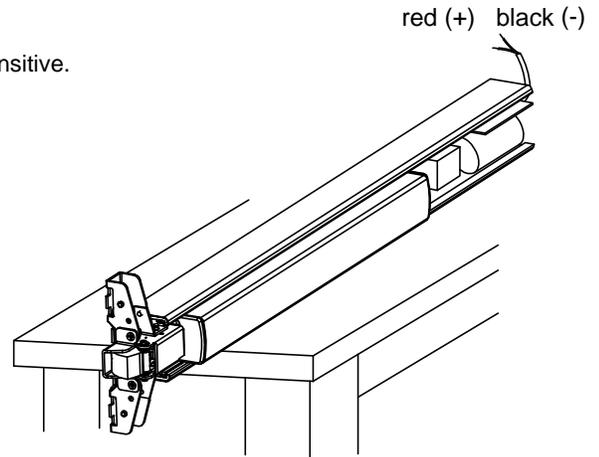
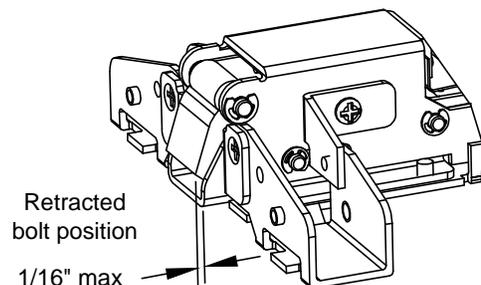


Fig. C
Correct bench test position