ADVANTEX

Delayed Egress with Electric Latch Retraction
EE-ER
RIM, SVR, CVR & MORTISE

* Note: Parts listed above will vary according to product configuration. Mortise cylinder available as an option. Standard Yale type cam required. See Mortise cylinder installation page.

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.

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

ELECTRICAL INSTRUCTIONS FOR DETEX ADVANTEX® EE-ER
DELAYED EGRESS MODELS

U.S. PATENT NUMBERS:
6009732
6205825B1
6532777B2

INTERNATIONAL PATENT NUMBER:
PCT6009732

EC1 Endcap P/N: 101642-X
EC1 Endcap (for FCA) P/N: 102095-X
EC1 Endcap Bracket P/N: 100147
EC2 Endcap (S.S.) P/N: 104304-X
EC2 Endcap (AL) P/N: 104612-X
EC2 Endcap (AL) (for FCA) P/N: 104686-X
EC2 Endcap (S.S.) (for FCA) P/N: 104317-X
EC2 Endcap Bracket P/N: 104303

EC1 Endcap
EC2 Endcap
EC1 Endcap Bracket
EC2 Endcap Bracket

EC1 Endcap P/N: 101642-X
EC2 Endcap P/N: 104304-X
EC1 Endcap Bracket P/N: 100147
EC2 Endcap Bracket P/N: 104303

Remote Interface
P/N: 103823-X

Detex Controller
84-800 Single door
P/N: 103852-X
85-800 Double door
P/N: 104655-X

Detex Controller Kit
Catalog No: 84-800 Single Door
P/N: 84800
Catalog No: 85-800 Double Door
P/N: 85800

See Optional Accessories
For:
Glass Bead Kit
Armored Cable Kit
Sex Nuts
Tamper Kit
Double Door Strike Kit
Key Stop Kit
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

THE LOSS OF POWER OR OPEN FIRE ALARM CIRCUIT WILL CAUSE THE LOCK TO FAIL SAFE (UNLOCK)

DETEX SUPPLIED CABLES
RECOMMENDATION FOR OTHERS:
MIN. 22 GA WIRE FOR SIGNALING
MIN. 18 GA WIRE FOR POWER

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.

GROUNDING WIRE REQUIRED
MINIMUM 10 GA STRANDED WIRE

DOOR SIGN SUPPLIED WITH DETEX DELAYED EGRESS PANIC HARDWARE

DETEX DELAYED EGRESS PANIC HARDWARE INSTALLED BY TRAINED TECHNICIAN

(LHR rim device shown)

HARDWIRE TRANSFER OPTIONS

Electric Hinge
p/n: EWH8-X

Power Transfer
p/n: PT-5

Flex Conduit/End Cap Kit
p/n: FCA (EC1 shown)
(Order FCA x Finish)

1/2" Hole through the inside door face

1/2" Hole through the inside door face

FCA 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)

1. Slide endcap assembly onto extrusion

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

Secure with tape before cutting

CAUTION: Check for device and door frame clearance. If no cut-off needed, proceed to the next page.

Minimum Fillerplate Length

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EExER</td>
<td>9&quot;</td>
</tr>
</tbody>
</table>

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 setscrew inside the aluminum baseplate extrusion and slide extrusion out, reverse, & slide back in. Tighten setscrew.

EExER ELECTRICAL CONNECTIONS

6 Pin Plug Connect to Power Supply Cable

Pigtail for use with pre-wired installations

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.

<table>
<thead>
<tr>
<th>Amperage</th>
<th>Wire Color</th>
<th>Switch Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>50mA max.</td>
<td>Grey</td>
<td>Closed</td>
</tr>
<tr>
<td></td>
<td>Brown</td>
<td>Common</td>
</tr>
<tr>
<td></td>
<td>Yellow</td>
<td>Open</td>
</tr>
</tbody>
</table>

Wires from EX switch

GREY (CLOSED) BROWN (COMMON) YELLOW (OPEN)

100ma max 48VDC

<table>
<thead>
<tr>
<th>Amperage</th>
<th>Wire Color</th>
<th>Switch Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A max.</td>
<td>Grey/Red</td>
<td>Closed</td>
</tr>
<tr>
<td></td>
<td>Brown/Red</td>
<td>Common</td>
</tr>
<tr>
<td></td>
<td>Yellow/Red</td>
<td>Open</td>
</tr>
</tbody>
</table>
TROUBLE SHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable cause &amp; remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Latch drags on the strike when pushpad is manually depressed.</td>
<td>Re-adjust top rod per top rod adjustment section.</td>
</tr>
<tr>
<td></td>
<td>Remove the shim plate from the strike if used.</td>
</tr>
<tr>
<td>Latch drags on the strike during retraction or does not dog unlocked.</td>
<td>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.</td>
</tr>
<tr>
<td>Motor stalls or fails to complete cycle.</td>
<td>For Rim: When adjusted correctly, the latch should protrude 1/16&quot; 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.</td>
</tr>
<tr>
<td>Will not arm while bench testing.</td>
<td>Ensure panic bar is positioned as shown in Fig C below.</td>
</tr>
</tbody>
</table>

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

Use hex wrench or bent wire to rotate and adjust eyebolt

Fig. B
Bolt Position (Rim only)

Extended bolt position

Retracted bolt position 1/16" max

Fig. C
Correct bench test position
Optional Accessories

**Advantex Flex Conduit Kit**
Catalog No: FCA-[Specify Finish]
Electrical Wires Not Supplied

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

**Tamper Kit**
(Security Kit)
Catalog No: SSK3
p/n: 101233

Security Screws

**Double Door Strike Kit**
Catalog No: 94
p/n: 102212-1

Security Pin TORX® Bits provided

The following Models in the series were evaluated by UL: Controlled Exit Panic Devices; Model 10 and 40. These devices may be suffixed with 01, 02, 03, 08, 09, or 14 followed by C, CN, D, DN, DT, DNT, DNU, P, PN, W, or WS followed by BP1, BP2, BP3, BP4, BP5, or BP6 followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 or 711 followed by the RHR or LHR, followed by ED or ER, which may be followed by LD or CD, followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 or 711 followed by 98 or 99, followed by 36 or 48.