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

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)

Table of Contents

Device parts breakdown view & part numbers .................. 2
Riser Diagrams & Hardwire Transfer Options .................. 3
Check Door Clearance, Electrical Connections ............... 4
Troubleshooting, Adjustments & Test Procedures .......... 5
### PARTS BREAKDOWN

<table>
<thead>
<tr>
<th>Item</th>
<th>Order Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>105500-56</td>
<td>Centercase/Pushpad SubAssembly, 10 series, EE-ER, 36&quot;, 630 finish</td>
</tr>
<tr>
<td></td>
<td>105500-79</td>
<td>Centercase/Pushpad SubAssembly, 10 series, EE-ER, 48&quot;, 630 finish</td>
</tr>
<tr>
<td></td>
<td>105500-110</td>
<td>Centercase/Pushpad SubAssembly, RHR 20 series, EE-ER, 36&quot;, 630 finish</td>
</tr>
<tr>
<td></td>
<td>105500-14</td>
<td>Centercase/Pushpad SubAssembly, RHR 20 series, EE-ER, 48&quot;, 630 finish</td>
</tr>
<tr>
<td>2</td>
<td>102095-9</td>
<td>EC1 Endcap 630 finish (drilled for Flex Conduit)</td>
</tr>
<tr>
<td>3</td>
<td>104688-1</td>
<td>EC2 Endcap, Aluminum, Aluminum painted (drilled for Flex Conduit)</td>
</tr>
<tr>
<td></td>
<td>104317-9</td>
<td>EC2 Endcap, Stainless Steel 630 finish (drilled for Flex Conduit)</td>
</tr>
<tr>
<td>4</td>
<td>ECL-395</td>
<td>Door Sign, 15 second delayed egress</td>
</tr>
<tr>
<td></td>
<td>ECL-395-1</td>
<td>Door Sign, 30 second delayed egress</td>
</tr>
<tr>
<td>5</td>
<td>100860-59</td>
<td>Filler, 10 series, 36&quot; device, 630 finish</td>
</tr>
<tr>
<td></td>
<td>100860-60</td>
<td>Filler, 10 series, 48&quot; device, 630 finish</td>
</tr>
<tr>
<td></td>
<td>100860-146</td>
<td>Filler, 20 series, 36&quot; device, 630 finish</td>
</tr>
<tr>
<td></td>
<td>100860-147</td>
<td>Filler, 20 series, 48&quot; device, 630 finish</td>
</tr>
</tbody>
</table>

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.

Refer to wiring & fire alarm diagrams for wiring instructions

Minimum 10 ga stranded grounding wire required

Door sign supplied with Detex delayed egress panic hardware

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 unlock.

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.

(LHR rim device shown)

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HARDWIRE 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

Wire chase through door

1/2" Hole through the inside door face

Wire chase through door

1/2" Hole through the inside door face

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

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

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

Secure with tape before cutting

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>

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

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>EX</td>
<td>50mA max.</td>
<td></td>
</tr>
<tr>
<td>50mA max.</td>
<td>Grey</td>
<td>Closed</td>
</tr>
<tr>
<td>50mA max.</td>
<td>Brown</td>
<td>Common</td>
</tr>
<tr>
<td>50mA max.</td>
<td>Yellow</td>
<td>Open</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>EXV</th>
<th>3A max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3A max.</td>
<td>Grey/Red</td>
</tr>
<tr>
<td>3A max.</td>
<td>Brown/Red</td>
</tr>
<tr>
<td>3A max.</td>
<td>Yellow/Red</td>
</tr>
</tbody>
</table>

104880 Page 4
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. 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).</td>
</tr>
<tr>
<td></td>
<td>For SVR: Rods could be binding or mis-installed. See SVR instruction p/n 104882.</td>
</tr>
<tr>
<td></td>
<td>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.

![Correct bench test position](image)

**Fig. A** Adjusting eyebolt

**Fig. B** Bolt Position (Rim only)

Extended bolt position