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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.

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

Owner's Copy
### PARTS BREAKDOWN

<table>
<thead>
<tr>
<th>Item</th>
<th>Order Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>106900-11</td>
<td>Centercase/Pushpad SubAssembly, S&amp;R V40, EE, 36&quot;</td>
</tr>
<tr>
<td></td>
<td>106900-13</td>
<td>Centercase/Pushpad SubAssembly, S&amp;R V40, EE, 48&quot;</td>
</tr>
<tr>
<td></td>
<td>106900-14</td>
<td>Centercase/Pushpad SubAssembly, S&amp;R V50/51, EE, 36&quot;</td>
</tr>
<tr>
<td></td>
<td>106900-15</td>
<td>Centercase/Pushpad SubAssembly, S&amp;R V50/51, EE, 48&quot;</td>
</tr>
<tr>
<td>2</td>
<td>101822</td>
<td>Endcap, Value Series</td>
</tr>
<tr>
<td>3</td>
<td>101810-1</td>
<td>Pushpad Wrap, 3-0</td>
</tr>
<tr>
<td></td>
<td>101815-1</td>
<td>Pushpad Wrap, 4-0</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>100783</td>
<td>Hex Nut (for cylinder installation)</td>
</tr>
<tr>
<td>6</td>
<td>PP-5567</td>
<td>9V Battery</td>
</tr>
<tr>
<td>7</td>
<td>105032-3</td>
<td>Value Series, Rim, EE fillerplate, 3 ft, 15/15</td>
</tr>
<tr>
<td></td>
<td>105032-4</td>
<td>Value Series, Rim, EE fillerplate, 4 ft, 15/15</td>
</tr>
<tr>
<td></td>
<td>105032-15</td>
<td>Value Series, Rim, EE fillerplate, 3 ft, 1/15 SA</td>
</tr>
<tr>
<td></td>
<td>105032-16</td>
<td>Value Series, Rim, EE fillerplate, 4 ft, 1/15 SA</td>
</tr>
<tr>
<td></td>
<td>105031-3</td>
<td>Value Series, SVR, EE fillerplate, 3 ft, 15/15</td>
</tr>
<tr>
<td></td>
<td>105031-4</td>
<td>Value Series, SVR, EE fillerplate, 4 ft, 15/15</td>
</tr>
<tr>
<td></td>
<td>105031-15</td>
<td>Value Series, SVR, EE fillerplate, 3 ft, 1/15 SA</td>
</tr>
<tr>
<td></td>
<td>105031-16</td>
<td>Value Series, SVR, EE fillerplate, 4 ft, 1/15 SA</td>
</tr>
<tr>
<td>8</td>
<td>90-800</td>
<td>90-800 Power Supply</td>
</tr>
<tr>
<td>9</td>
<td>101844</td>
<td>Endcap Bracket</td>
</tr>
</tbody>
</table>

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

103185  Page 2
MORTISE CYLINDER INSTALLATION

PRECAUTIONARY NOTE:
1. See "EE ELECTRICAL OPTIONS" before reinstalling filler plate.
2. Be careful when installing filler plate assembly not to damage wires.

1
Remove endcap, endcap bracket & filler plate subassembly.

Disconnect the following:
- Cable assembly (view A),
- 12 pin connector (view B),
- Magnet connection (view C),
- Surface Vertical Rod (SVR) connector (view D if applicable),
- Battery connection

View A
View B
View C
View D
(note: board layout may differ slightly from layout shown)

2
INSTALLING MORTISE CYLINDER

NOTE:
1) Move placement of spacers to match length of cylinder used to allow smooth rotation of cam.
2) All cylinder spacers must be used, either on top or bottom.

CAUTION:
- Tighten with hand tools only.
- Do not overtighten

Install mortise cylinder with hex nut provided.

Use optional cylinder collar (Detex p/n: ECL-1595) when installing 7-pin mortise cylinder

See View A, B, C & D above

Mortise Cylinder with standard Yale cam required

.313"
.715"

CAUTION:
- Dogging lever should be in "ON" (CCW) position before sliding back into extrusion

Cylinder nut socket p/n 103779 (sold separately)

3
RE-INSTALL FILLER PLATE

Re-connect in the following order:
1) Cable assembly (view A),
2) Battery,
3) 12 pin connector (view B),
4) 2 pin connector (view C),
5) SVR connector (view D if applicable).
Install filler plate subassembly & endcap bracket.

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

1
Slide endcap assembly onto extrusion

CAUTION:
- Check device and door frame clearance.

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

Secure with tape before cutting

Protect wires during cutting

Minimum Fillerplate Length

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EE</td>
<td>9-3/8&quot;</td>
</tr>
</tbody>
</table>

www.detex.com/cutdown
EE ELECTRICAL OPTION

REQUIRES DETEX POWER SUPPLY
REQUIRED WIRE SIZES:
STRANDED WIRE GAUGE: 18 AWG MIN
MAXIMUM LENGTH OF TWO CONDUCTOR CABLE: 40 FEET

90-800 Power Supply with Detex Delayed Egress device

Detex requires one fire alarm relay per power supply
Closed Fire Alarm Loop (must be supplied)

Fire Loop Sense

To Exit Device Door #1
From (+) terminal to pin #1 on exit device

To Exit Device Door #2 (if req'd)
From (-) terminal to pin #2 on exit device

RED/BLK WIRES TO 24 VOLT

BLK RED

FACTORY INSTALLED JUMPER

To disable the low-battery indication, slide the Dis Lo Bat switch to 'ON'

Red wires to internal solenoid DO NOT ADD POWER!

(PC BOARD ASSEMBLY INSIDE DELAYED EGRESS DEVICE)

WHITE BLACK GREEN

DETEX REQUIRES THE POWER SUPPLY BE LOCATED WITHIN 40 FEET OF THE DEVICE

9V Alkaline Battery
EE ELECTRICAL OPTIONS

L9 = Less 9v battery
SI = Status indicator

<table>
<thead>
<tr>
<th>POWER REQUIREMENT:</th>
<th>.5 AMPS @ 24 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>The key cylinder arming switch must be set to &quot;OFF&quot;. To prevent the alarm from sounding during installation, attach battery AFTER main power is applied.</td>
<td></td>
</tr>
</tbody>
</table>

### Delayed Egress Device

Delayed Egress Device requires a connection to the Fire Alarm System. The fire alarm connection needs to be made Externally at the Power Supply. During a fire alarm condition the delayed egress will be by-passed.

### MAIN POWER CONNECTION: (1 & 2)

See Power Supply instructions.

### DETEX REQUIRES USING THE FIRE ALARM CONNECTION IN THE POWER SUPPLY:

CLOSED connection is provided to the fire alarm system when not in-alarm and OPEN when in-alarm. See power supply instructions for details.

### REMOTE BY-PASS: (5 & 6)

Connect normally open (N.O.) contact. When the contact is closed momentarily, this will allow the door to open without the alarm sounding. The unit will automatically re-arm in 15 seconds after the door is closed (three quick audible beeps).

### BY-PASS RELAY: (7, 8 & 9) DRY contact output.

The BY-PASS relay is energized when the unit is disarmed by the KEY or REMOTE BY-PASS to indicate to a remote indicator that the door is not armed.

### ALARM RELAY: (10, 11 & 12) DRY contact output.

The ALARM relay is energized when the unit is sounding its alarm to indicate to a remote indicator that an unauthorized exit has been attempted.

### OUTSIDE KEY CONTROL

If the OKC option is used, the outside key bypasses and rearms the alarm.

### STATUS INDICATOR (SLIDE SWITCH)

ON: Green LED blinks every three seconds when the unit is disarmed.
Red LED blinks every three seconds when the unit is armed.
OFF: No status indication.
RISER DIAGRAM

DETEx FILTERED AND REGULATED POWER SUPPLY
WITH FIRE ALARM SYSTEM LOOP 24 VDC @ 1 AMP MIN

DETEx REQUIRES THE POWER SUPPLY BE LOCATED
WITHIN 40 FEET OF THE DEVICE

PROVIDE WIRING CONDUIT, CONNECTOR,
ETC BETWEEN DETEx 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 ELIMINATE THE
DELAYED EGRESS FUNCTION

DOOR SIGN SUPPLIED WITH
DETEx DELAYED EGRESS,
PANIC HARDWARE

PUSH UNTIL ALARM SOUNDS
DOOR CAN BE OPENED IN 15 SECONDS

DETEx DELAYED EGRESS
PANIC HARDWARE
INSTALLED BY
TRAINED TECHNICIAN

REQUIREMENTS:
MIN. 22 GA STRANDED WIRE FOR SIGNALING
MIN. 18 GA STRANDED WIRE FOR POWER

REFER TO WIRING &
FIRE ALARM DIAGRAMS
FOR WIRING
INSTRUCTIONS
Value Series Flex Conduit/End Cap Kit

p/n: FCV

VALUE SERIES FLEX CONDUIT INSTALLATION

1. Drill 7/8" hole through center guide
2. Adjust for handing (LHR shown)
3. Fasten until hand-tight
4. From magnet terminals

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

OPTIONAL HARDWIRE TRANSFER KITS

Electric Hinge

Order by finish
p/n: EWH8-X

Electric Hinge Endcap Prep

Wire chase through door
1/2" Hole through the inside door face

Power Transfer

p/n: PT-5

Power Transfer Endcap Prep

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.
DELYED EGRESS OPERATIONS

ARMING AND AUTHORIZED EXIT

(LHR rim device shown)

With door closed, insert key in the cylinder, turn CCW then back to the home key position and remove it. The red LED blinks twice then the green LED glows continuously. Authorized personnel can exit the door during this rearm cycle. After a 1, 5 or 15 second arming period, the alarm issues three quick beeps and the green LED goes off, indicating that the unit is armed.

DISARMING
Insert key, turn CW to a stop. Green LED will blink twice to indicate the unit is disarmed.

EXITING UNDER ALARM
To exit, push and maintain pressure on the pushpad. After a one-second delay, (nuisance delay), LED flashes RED and alarm pulses on and off for 15 seconds. After 15 seconds, alarm issues short and long pulses to indicate that you can exit by depressing the pushpad. Alarm sounds continuously and LED is steady RED. Turn key CW to stop alarm.

NUISANCE DELAY
When pushpad is depressed for less than 1 second, alarm will emit a single pulse but will not start delay function.

NORMAL OPERATION

<table>
<thead>
<tr>
<th>LED COLOR</th>
<th>SIREN SOUNDS</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>RED</td>
<td>GREEN</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td>ON</td>
<td>THREE CHIRPS</td>
</tr>
<tr>
<td>OFF</td>
<td>OFF</td>
<td>This indicates either armed or disarmed</td>
</tr>
<tr>
<td>ON</td>
<td>ON</td>
<td>Factory installed jumper removed from 3 &amp; 4 terminals</td>
</tr>
<tr>
<td>SLOW BLINKING</td>
<td>OFF</td>
<td>SLOW PULSE</td>
</tr>
<tr>
<td>FAST BLINKING</td>
<td>OFF</td>
<td>FAST PULSE</td>
</tr>
<tr>
<td>ON</td>
<td>OFF</td>
<td>Delay to open expired, door has been opened</td>
</tr>
<tr>
<td>DOUBLE BLINK</td>
<td>OFF</td>
<td>DOUBLE CHIRP</td>
</tr>
<tr>
<td>BLINK</td>
<td>OFF</td>
<td>Armed - status ON</td>
</tr>
<tr>
<td>OFF</td>
<td>BLINK</td>
<td>Disarmed - status ON</td>
</tr>
</tbody>
</table>

BATTERY BACKUP FOR ALARM
A 9-volt battery is included as a backup power source for the alarm siren if power is lost. To disable low battery indication, slide the DisLoBat switch to 'ON'. See page 16 for location.

LOW BATTERY INDICATION
If battery voltage is low (7 volts or less), unit remains armed but LED flashes RED and unit beeps twice every 45 seconds. Replace battery as soon as possible.
# TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alarm sounds when power is applied:</td>
<td>Turn key clockwise to OFF position.</td>
</tr>
</tbody>
</table>
| No green light when key is turned CCW:      | Confirm strike is pushing in dead latch. Door must be closed.  
Confirm 24VDC power on the delayed egress device main board terminals 1(+) & 2(-).  
Confirm closed fire loop connection on power supply.  
Confirm cable is plugged in properly.  
Confirm the mortise cylinder is functioning correctly.  
Confirm the 2 pin connector on the latch end coming from the pushpad switch is plugged in properly. |
| No delayed egress:                          | Confirm closed fire loop connection on power supply.  
Confirm the 2-pin header with the two red wires are plugged into the delayed egress main board.  
Confirm 24VDC power on the delayed egress device main board terminals 1&2.                                                                         |
| Both red and green lights on:               | Factory installed jumper removed from terminals 3 and 4.                                                                                                                                                      |
| Low battery signal-                          | Check battery. If no battery is needed, slide DisLoBat switch on delayed egress main board to 'ON'. See electrical pages of instructions.                                                                     | Two chirps every 45 seconds:                                                                                                 |

**Technical Support 1-800-729-3839**