INSTALLATION INSTRUCTIONS FOR DETEX ADVANTEX® RIM 10/40 SERIES, F10/F40 SERIES AND "H" MODELS (HURRICANE)

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- 6205825B1
- 6532777B2

INTERNATIONAL PATENT NUMBER:
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INSTALLATION INSTRUCTIONS FOR DETEX ADVANTEX® RIM 10/40 SERIES, F10/F40 SERIES AND "H" MODELS (HURRICANE)

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

<table>
<thead>
<tr>
<th>Fasteners</th>
<th>Drill Bit 1/4-20</th>
<th>Tap Wrench 1/4-20</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Screws</td>
<td>#6-32 x 5/8&quot;</td>
<td>PPH</td>
<td>#6-32 Tap</td>
</tr>
<tr>
<td></td>
<td>#6-32 x 3/8&quot;</td>
<td>PPH</td>
<td>Used on 98 Strike Shield Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>#10-24 x 5/8&quot;</td>
<td>PPH</td>
<td>#10-24 Tap</td>
</tr>
<tr>
<td></td>
<td>#1/4-20 x 1/4&quot;</td>
<td>PPH</td>
<td>Used on Strike, Mounting plate, and Endcap Mounting Holes</td>
</tr>
<tr>
<td></td>
<td>#1/4-20 x 1&quot;</td>
<td>PPH</td>
<td>#1/4-20 Tap</td>
</tr>
<tr>
<td>Sheetmetal Screws</td>
<td>#6 x 1&quot;</td>
<td>PPH</td>
<td>#6 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>#10 x 1&quot;</td>
<td>PPH</td>
<td>#10 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>#14 x 1&quot;</td>
<td>PPH</td>
<td>#14 x 1&quot;</td>
</tr>
<tr>
<td>Self-drilling Screws</td>
<td></td>
<td>PPH</td>
<td>#14 x 1&quot;</td>
</tr>
<tr>
<td></td>
<td>#1/4-20</td>
<td>PPH</td>
<td>#1/4-20</td>
</tr>
<tr>
<td></td>
<td>#10-32</td>
<td>PPH</td>
<td>#10-32</td>
</tr>
<tr>
<td>Sex Nut</td>
<td>#1/4-20</td>
<td>PPH</td>
<td>#1/4-20</td>
</tr>
<tr>
<td></td>
<td>#10-32</td>
<td>PPH</td>
<td>#10-32</td>
</tr>
</tbody>
</table>

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

### Tools Required

<table>
<thead>
<tr>
<th>Tool</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Drill</td>
<td><img src="image" alt="Power Drill" /></td>
</tr>
<tr>
<td>Pencil</td>
<td><img src="image" alt="Pencil" /></td>
</tr>
<tr>
<td>Hack Saw</td>
<td><img src="image" alt="Hack Saw" /></td>
</tr>
<tr>
<td>Safety Glasses</td>
<td><img src="image" alt="Safety Glasses" /></td>
</tr>
<tr>
<td>Hammer</td>
<td><img src="image" alt="Hammer" /></td>
</tr>
<tr>
<td>Level</td>
<td><img src="image" alt="Level" /></td>
</tr>
<tr>
<td>Tape Measure</td>
<td><img src="image" alt="Tape Measure" /></td>
</tr>
<tr>
<td>Screw Driver</td>
<td><img src="image" alt="Screw Driver" /></td>
</tr>
<tr>
<td>Center Punch</td>
<td><img src="image" alt="Center Punch" /></td>
</tr>
</tbody>
</table>
1. Mark centerline for unit 40 inches above finished floor.

2. Slide 99 strike locator into mounting plate (see appendix C for 98 strike and strike hook installation).

3. If necessary, remove label temporarily to mark trim hole.

4. Mark mounting plate and strike holes.

5. Trim input hole if necessary. (see outside trim instructions)

6. Fasten loosely with two 1/4-20x1" machine screws or #14 self-drilling screws.

7. Fasten tightly with lockwashers and 1/4-20x1" machine screws or #14 self-drilling screws.

8. Strike holes (2)
   - For 1/4-20 machine screws drill #7 holes.
   - No pilot hole necessary for #14 self-drilling screws.

9. Mounting plate holes (2)
   - For #14 self-drilling screws no pilot holes necessary.
   - For sex nuts drill 3/8" holes. (see fastener table)

10. Strike holes (2)
    - For 1/4-20 machine screws drill #7 holes.

RECOMMENDED

Mark centerline for unit 40 inches above finished floor.
Position cam as shown.

Insert centercase into slots of centercase mounting plate, depress pushpad, rotate toward door.

Fasten rim device to mounting plate with 1/4-20 x 1/4" PPH machine screws.

MUST BE INSTALLED!
CHECKING FOR DEVICE CLEARANCE
(Cut-Off procedure if required)

1. Install battery in endcap and connect.
2. Cut fillerplate and extrusion to desired length.
3. Secure with tape and protect wires during cutting.
4. Reassemble electronics after cutting. Electronics may extend beyond edge of cut fillerplate.
5. For maximum cut down, this portion of center tab may be cut off.

Local Procedures for Maximum Cut Down Lengths
Caution Required-Special Handling
(Call factory at (800) 729-3839 for assistance)

NOTE:
* For additional cut down lengths, call factory at (800) 729-3839 for assistance.

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

Procedures for Maximum Cut Down Lengths

**Standard Cut-Off**

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot; Unit</td>
<td></td>
</tr>
<tr>
<td>48&quot; Unit</td>
<td></td>
</tr>
<tr>
<td>Electrified Model</td>
<td>2 in</td>
</tr>
<tr>
<td>HD/CD</td>
<td>4-3/4 in</td>
</tr>
<tr>
<td>LD</td>
<td>6-1/2 in</td>
</tr>
</tbody>
</table>

**Max Cut-Off**

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot; Unit</td>
<td></td>
</tr>
<tr>
<td>48&quot; Unit</td>
<td></td>
</tr>
<tr>
<td>Electrified Model</td>
<td>3 in</td>
</tr>
<tr>
<td>HD/CD</td>
<td>5-1/2 in</td>
</tr>
<tr>
<td>LD</td>
<td>6 1/2 in</td>
</tr>
</tbody>
</table>
MORTISE CYLINDER INSTALLATION

CD (Cylinder Dogging) and EA (Exit Alarm) Cylinder Installation

Follow steps "a" through "e" for both CD and EA cylinder installations

a. Remove endcap and endcap mounting bracket.
b. Remove fillerplate. **Caution: EA models have electronic components susceptible to damage.**
c. Remove and discard shipping insert and nut. Loosen (2) screws from dogging assembly.
d. Install mortise cylinder (sold separately) with large hex nut provided.
e. Trial fit dogging assembly. If cylinder is too short, remove spacers as necessary and reattach them under the (2) screw heads (See Figure A1). Fasten the (2) screws to the rest of the assembly.
   **Caution: The key should easily turn in both directions.**

CD installation

f. Rotate key counterclockwise
g. Assembly complete. Continue with Panic Hardware instruction.
1. Slide endcap bracket into extrusion, level pushpad assembly, and mark (2) holes.

**Note:** Endcap bracket must bottom-out on extrusion before marking holes.

2. For 1/4-20 machine screws drill #7 holes. For #14 self-drilling screws no pilot holes necessary. For sex bolts drill 3/8" holes.

3. Align the 99 strike with the latchbolt. Firmly tighten screws (shim if necessary).

**Note:** Check device function and strike engagement BEFORE marking and drilling for center screw.

4. Slide and mount endcap to endcap bracket.

5. Install (2) 10-32 FH Screws to attach Endcap.

6. Deadlatch

7. Fasten rim device to mounting plate and door with 1/4-20x1" machine screws or #14 self-drilling screws.

8. Mark and drill center hole. 9/64" for 10-24 machine screws. (see fastener table)
   - No pilot hole necessary for #10 self-drilling screw.

**Note:** Place EA-561 sign on door (For Electrified Models ONLY)

MANDATORY FOR HURRICANE MODELS

9. Install cover with 6-32 machine screws. Tighten with hand tools only.

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EA SWITCH OPTIONS

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

Table 1
<table>
<thead>
<tr>
<th>Status Indicator</th>
<th>Status Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off *</td>
<td>The Device gives no indication of armed or disarmed status.</td>
</tr>
<tr>
<td>On</td>
<td>The Device flashes red or green LED every 15 seconds. Red indicates armed status and green indicates disarmed.</td>
</tr>
</tbody>
</table>

Table 2
<table>
<thead>
<tr>
<th>Disable Auto rearm</th>
<th>Auto Rearming Feature Setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>On *</td>
<td>Alarm sounds until turned off with key. Extended bypass is enabled.</td>
</tr>
<tr>
<td>Off</td>
<td>Unit sounds alarm for 2 minutes after bar is released. Alarm will automatically rearm after 2 minutes.</td>
</tr>
</tbody>
</table>

Table 3
<table>
<thead>
<tr>
<th>Disable Low Battery</th>
<th>Status Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Off *</td>
<td>The device flashes one red LED and one beep about every 45 seconds</td>
</tr>
<tr>
<td>On</td>
<td>The device gives no indication of battery being low.</td>
</tr>
</tbody>
</table>

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

Figure 1
Selector switches detail

Figure 2
EA wiring detail

Figure 3
P1 detail

Table 4 (P1 wire usage)
<table>
<thead>
<tr>
<th>Remote Signal</th>
<th>Remote Bypass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pin 1 Brown</td>
<td>Pin 4 Violet</td>
</tr>
<tr>
<td>Pin 2 Yellow</td>
<td>Pin 5 Violet</td>
</tr>
<tr>
<td>Pin 3 Green</td>
<td>Pin 6 ----</td>
</tr>
</tbody>
</table>

Contacts rated at 1.0A @ 30VDC or 0.5A @ 125VAC
HARDWIRE TRANSFER DETAIL
(Requirements: Minimum 6 Conductor Wires, Maximum 12 Conductor Wires)

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

Note: Unit is shipped with Disable Auto Rearm turned ON and Status Indicator turned OFF
Refer to tables 1, 2 & 3 on page 9

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
   c. Dis Lo Bat INDicator (EH units only)

UNIT ARMING TEST:
1. Turn key counterclockwise (CCW) (key is removable after rotating back to horizontal position)
   The siren will sound three short beeps indicating the unit is armed.
2. Red LED will flash twice, then green LED will illuminate for the 15 second delay time, then turn off.
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 15 seconds.
3. If the unit is disarmed, the green LED will blink every 15 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 Advantex® devices are designed to provide many years of maintenance free service under normal usage. Periodically inspect and lubricate the unit to extend its life.
## Advantex EA Troubleshooting Tips for Default Settings

<table>
<thead>
<tr>
<th>Problem</th>
<th>Probable Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>The actuator is sticking to the microswitch.</td>
<td>Call Detex. 1-800-729-3839</td>
</tr>
<tr>
<td>No LED activity when key is turned ccw to armed position.</td>
<td>Dead or weak battery</td>
<td>Install new battery, LED's should flash and the siren beep once.</td>
</tr>
<tr>
<td></td>
<td>Battery not secured to connector correctly.</td>
<td>Secure battery correctly.</td>
</tr>
<tr>
<td></td>
<td>No AC power.</td>
<td>Call Detex. 1-800-729-3839</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Verify power from transformer and check for correct voltage at connector P2.</td>
</tr>
<tr>
<td>AC powered unit gives a low battery indication</td>
<td>Battery not installed.</td>
<td>Install battery. If battery is not desired, disconnect power and slide the 'Dis Lo Bat IND' switch to 'ON' position.</td>
</tr>
<tr>
<td>LED's do not flash to indicate armed or disarmed status</td>
<td>Status indicator switch in off position.</td>
<td>Remove power from unit. Slide 'Status indicator' switch to 'ON' position. Reinstall power.</td>
</tr>
</tbody>
</table>

**Technical Support 1-800-729-3839**
98 STRIKE INSTALLATION

Mark and drill holes as necessary.
#7 for 1/4-20 machine screws,
For #14 self-drilling screws, no pilot hole necessary.
7/64" for 6-32 machine screws,
9/64" for #6 sheetmetal screws
(see fastener table)

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

For mounting hole locations use strike locator (template) provided.
Narrow Stile Endcap Mounting Plate Fascia
(For use on Glass Doors)

a. Remove the endcap mounting bracket.

b. Attach the fascia with the adhesive tape as shown in Figure B.

c. Re-attach the endcap mounting bracket.
Optional Accessories

**Glass Bead Kit**
Catalog No: GB1 - Glass Bead Kit, 10 series  
p/n: 101643
Catalog No: GB2 - Glass Bead Kit, 40 series  
p/n: 101644

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

The #1/4-20 kit is available in (4) finishes:
- Catalog No: SN3    Brushed Brass BHMA 606 Finish
- Catalog No: SN3    Oil Rubbed Bronze BHMA 613 Finish
- Catalog No: SN3    Brushed Chrome BHMA 626 Finish
- Catalog No: SN3    Stainless Steel BHMA 630 Finish

**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

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

**Double Door Strike Kit**
Catalog No: 94 Security screws  
p/n: 102212-1
Catalog No: 95 - Standard screws  
p/n: 102212-2

**Key Stop Kit**
(Momentary Shunt)
Catalog No: KS  
p/n: 101867

Key Stop Screw

Dogging Lever Assembly  
(shown for reference ONLY)

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, DU, 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, or 711 followed by the RHR or LHR, followed by EA, which may be followed by LD or CD, followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, or 711 followed by 98 or 99, followed by 36 or 48.