Detex Corporation, 302 Detex Drive, New Braunfels, Texas 78130-3045

INSTALLATION INSTRUCTIONS FOR DETEX ADVANTEX® RIM 10/40 SERIES, F10/40 SERIES, "H" MODELS (HURRICANE) & "W" MODELS (WEATHERIZED)

Drawing: 101379: (Stainless Steel)
104600: (Aluminum)

U.S. PATENT NUMBERS:
6009732
6205826B1
653277B2

INTERNATIONAL PATENT NUMBER:
PCT6009732

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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

Owner's Copy
<table>
<thead>
<tr>
<th>Item</th>
<th>Order Part #</th>
<th>Description</th>
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<tbody>
<tr>
<td>1KIT</td>
<td>105500-63</td>
<td>Centercase/Pushpad SubAssembly, 40 series, 36&quot;, 630 (includes 1A)</td>
</tr>
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<td></td>
<td>105500-62</td>
<td>Centercase/Pushpad SubAssembly, 10 series, 36&quot;, 630 (includes 1A)</td>
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<tr>
<td>1A</td>
<td>100698-1</td>
<td>Centercase Assembly, Narrow Stile, 40 series</td>
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<td>100698-2</td>
<td>Centercase Assembly, Wide Stile, 10 series</td>
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<td>2KIT</td>
<td>103806-1</td>
<td>Mounting Plate/Strike Locator Kit, Narrow Stile (includes 2A &amp; 2C)</td>
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<td>103806-2</td>
<td>Mounting Plate/Strike Locator Kit, Wide Stile (includes 2B &amp; 2D)</td>
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<td>2A</td>
<td>100696-1</td>
<td>Mounting Plate, BP2, Narrow Stile</td>
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<tr>
<td>2B</td>
<td>100697-1</td>
<td>Mounting Plate, BP1, Wide Stile</td>
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<tr>
<td>2C</td>
<td>101899</td>
<td>Strike Locator 2&quot; Glass Door (98)</td>
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<td>2D</td>
<td>100212</td>
<td>Strike Locator, Standard (99)</td>
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<td>100311-9</td>
<td>Centercase Cover, Stainless Steel, Narrow, 40 series, 630</td>
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<td>100196-9</td>
<td>Centercase Cover, Stainless Steel, Wide, 10 series, 630</td>
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<td>104602-1</td>
<td>Centercase Cover, Aluminum, Narrow, 40 series, 628</td>
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<td>104640-1</td>
<td>Centercase Cover, Aluminum, Wide, 10 series, 628</td>
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<td>100147</td>
<td>Endcap bracket for EC1 (ramped) endcap w/o battery holder</td>
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<td>101093</td>
<td>Endcap bracket for EC1 (ramped) endcap w/ battery holder</td>
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<td>104303</td>
<td>Endcap bracket for EC2 (flush) endcap w/o battery holder</td>
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<td>104636</td>
<td>Endcap bracket for EC2 (flush) endcap w/ battery holder</td>
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<td>101642-9</td>
<td>Endcap, EC1 (ramped) Stainless Steel, 630</td>
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<td>104304-9</td>
<td>Endcap, EC2 (flush) Stainless Steel, 630</td>
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<td>104612-1</td>
<td>Endcap, EC2 (flush) Aluminum, 628</td>
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<td>100860-54</td>
<td>Fillerplate, Subassembly, S&amp;R, Hex Dogging, HD, 10 series, 36&quot;, 630</td>
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<td>7</td>
<td>100450</td>
<td>Hex Key (for Hex Dogging)</td>
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<td>8</td>
<td>100783</td>
<td>Cylinder Nut (for Cylinder Dogging)</td>
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<td>9</td>
<td>102216-2</td>
<td>Hex Dogging Assembly</td>
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<td>102216</td>
<td>Cylinder Dogging Assembly</td>
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<tr>
<td>10KIT</td>
<td>100855-2</td>
<td>99 Strike Kit (includes 10A &amp; 10B)</td>
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<tr>
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<td>100855-1</td>
<td>98 Strike Kit (includes 10C, 10D &amp; 10E)</td>
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<tr>
<td></td>
<td>102212-1</td>
<td>94 Double Door Strike Kit (includes 10F &amp; 10G)</td>
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<tr>
<td>10A</td>
<td>100234-1</td>
<td>Strike, Non-roller</td>
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<td>10B</td>
<td>100088</td>
<td>Strike Shim</td>
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<td>10C</td>
<td>100480</td>
<td>Strike, Mortise</td>
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<tr>
<td>10D</td>
<td>100482</td>
<td>Shim, Mortise Strike</td>
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<td>10E</td>
<td>100481</td>
<td>Shield, Strike</td>
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<td>10F</td>
<td>102211</td>
<td>Double Door Strike Plate</td>
</tr>
<tr>
<td>10G</td>
<td>102214</td>
<td>Shim, 94 strike</td>
</tr>
</tbody>
</table>

Your particular part or configuration may not be shown:
Contact Detex technical support at 800-729-3839 (option 2)
## Hardware Table for BASIC device mounting.

Additional hardware is provided per the device configuration in kit form and is addressed on the appropriate pages as required.

<table>
<thead>
<tr>
<th>(ramped) Device hardware kit: p/n 101438-1 for Hex Dogging (HD)</th>
<th>(ramped) Device hardware kit: p/n 101438-2 for Cylinder Dogging (CD)</th>
<th>(flush) Device hardware kit: p/n 105723-1 for Hex Dogging (HD)</th>
<th>(flush) Device hardware kit: p/n 105723-2 for Cylinder Dogging (CD)</th>
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<tbody>
<tr>
<td><strong>Fastener Part No</strong></td>
<td><strong>Drill Bit</strong></td>
<td><strong>Notes</strong></td>
<td></td>
</tr>
</tbody>
</table>
| P/N: 100980  
1/4-20 x 1" PPH | #7 or 13/64" | |
| P/N: 101621-5  
1/4-20 x 1/4" PPHMS | #7 or 13/64" | |
| P/N: 101632-2  
10-32 x 5/16" PFHUMS  
(multiple finishes included) | | |
| P/N: 100162-106  
6-32 x 3/8" PFHUMS  
(multiple finishes included) | | |
| P/N: 103276-63  
#14 x 1" PPH self-drilling | 1/8 pilot hole recommended for self-drilling screws | |
| P/N: PP-5183-110  
#14 x 1-1/4" PPH wood screw | 1/8 pilot hole recommended for wood screws | |
| P/N: PP-5067-25  
#14 Lockwasher | | |

### 99 Strike Kit: p/n 100855-2 or 98 Strike Kit: p/n 100855-1

<table>
<thead>
<tr>
<th><strong>Fastener Part No</strong></th>
<th><strong>Drill Bit</strong></th>
<th><strong>Notes</strong></th>
</tr>
</thead>
</table>
| P/N: 100980  
1/4-20 x 1" PPH | #7 or 13/64" | in both kits |
| P/N: 100112  
10-24 x 5/8" PFHUMS | | in 99 kit only |
| P/N: 100162-1  
6-32 x 5/8" PFHUMS | | in 98 kit only |
| P/N: 103276-63  
#14 x 1" PPH | 1/8 pilot hole recommended for self-drilling screws | in both kits |
| P/N: 103277-216  
#10 x 1" self-cutting PFHU | | in 99 kit only |
| P/N: 101451-1  
#6 x 1" self-cutting PFHU | | in 98 kit only |

## Tools Required:

- Safety Glasses
- Pencil: Phillips & small flat Screw Drivers
- Power Drill: Hammer: Combination Square
- Tape Measure: Pliers: Center Punch
- Level: 1/4-20 Tap: Saw for cutting device if necessary (chopsaw preferred)

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!!!CHECK BEFORE STARTING!!!

Wide Stile (Surface Strike) 99
Minimum door stile 4-1/2" (114 mm)
Template drawings provide door and frame structural and dimensional specifications for door and frame preparation.

Narrow Stile 98
Minimum door stile 2" (51 mm)

Doors and frames with walls having a structural thickness (metal skin plus reinforcement, or solid wood) to engage less than (3) full screw threads, are considered unreinforced for hardware.

Unreinforced Doors: Use Sex Nuts and Bolts
Unreinforced Frames: Use Blind Rivet Nuts (see sketch)
Fasteners for unreinforced openings are not supplied by Detex.

Reinforced door or frame engages at least (3) screw threads.

Door Must Swing Freely
Door Must Not be Warped
Door Must Not Bind
Door Must Not Sag

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.
MOUNTING PLATE & STRIKE INSTALLATION:

The installation of a 10 or 40 series device is the same except for the mounting plate. (see illustration below)
This instruction depicts a 10 series installation.

1. Mark centerline for unit 40 inches above finished floor

2. Slide 99 strike locator into mounting plate (see page 9 for 98 strike and strike hook installation)

3. Mark the holes


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

6. Fasten loosely OR

   Fasten tightly

Optional Sex Nuts can be used for thru-boltting the device to the door. Catalog No: SN1 (quantity 2 per order)

NOTE: HURRICANE rated devices MUST BE thru-bolted using either sexnuts or outside mating trim
DEVICE INSTALLATION:

NOTE: If device is too long, refer to next page for cut-down procedure.

Position cam as shown

Insert centercase into slots of centercase mounting plate, DEPRESS PUSHPAD, rotate toward door.

Fasten rim device to mounting plate

MUST BE INSTALLED!

1/4-20 x 1/4"

Level device

Slide endcap bracket into extrusion, level pushpad assembly.

Note: Endcap bracket must bottom-out on extrusion before marking holes.
Mark & centerpunch the 2 holes.
No predrilling required for self-drilling screws.

If device has electrical features, refer to those instructions now.

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

99 strike

Note: Check device function and strike engagement BEFORE going to step 9

Secure the 99 strike

Mark and drill center hole.

For 10-24 screw drill 9/64" hole.
For #10 x 1" screw no pilot hole needed.

10 REQUIRED SUPPORT SCREWS FOR HURRICANE MODELS
(Optional on non-hurricane models)

Optional Sex Nuts can be used for thru-bolting the device to the door.
Catalog No: SN1
(quantity 2 per order)

11 Install cover.
Tighten with hand tools only.

6-32 x 3/8" PFHUMS
(4 places)
CHECKING FOR DEVICE CLEARANCE
(Cut-Down procedure if required)

1. Slide endcap assembly onto extrusion

CAUTION:
Check for device and door frame clearance. If no cut-off needed, continue to mortise cylinder installation.

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

Secure with tape before cutting

Non-Electrified Minimum Fillerplate Length

<table>
<thead>
<tr>
<th>Type</th>
<th>Length (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD</td>
<td>2-1/2&quot;</td>
</tr>
<tr>
<td>HD/CD</td>
<td>3&quot;</td>
</tr>
</tbody>
</table>

For further Cut-Down information, see: 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 setscrew inside the aluminum baseplate extrusion and slide extrusion out, reverse, & slide back in. Tighten setscrew.

MORTISE CYLINDER INSTALLATION

CD (Cylinder Dogging)
Cylinder Installation

Cylinder nut socket kit p/n 103779 (sold separately)

Doggling Assembly
Spacers
Fillerplate
Endcap Mounting Bracket
Endcap
Mortise Cylinder

Figure A1

Follow steps "a" through "g" for CD installations

a. Remove endcap and endcap mounting bracket.
b. Remove fillerplate.
c. Remove and discard shopping 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.

NOTE: The key should easily turn in both directions.
f. Rotate key counterclockwise
g. Assembly complete. Continue with Panic Hardware instruction.
98 STRIKE INSTALLATION
(kit p/n: 100855-1)
Typically glass door

- Align the strike with the latchbolt. Firmly tighten screws.
- Trim door stop as required.
- Mark and drill holes as necessary.
- Cutout per 98 strike.
- 6-32 x 5/8” PFHUMS drill 7/64” holes or
  #6 x 1” self-cutting PFHU drill 9/64”
- Shield (if necessary)
- Shim (if necessary)

STRIKE HOOK INSTALLATION
Strike Hook Kit p/n 101795
(Caution: This installation is required on fire rated door openings with removable mullion.)

- Door
- Strike hook (p/n 100091)
- 10-24 x 5/8” PFHUMS (p/n 100112)
- #10 x 1” self-threading PFHU (p/n 100109)
- Mullion post
- For mounting hole locations use strike locator (template) provided.

DRILL CHART

<table>
<thead>
<tr>
<th>Machine screw</th>
<th>Sheetmetal screw</th>
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<tbody>
<tr>
<td>10-24</td>
<td>#10</td>
</tr>
<tr>
<td>#25 or 9/64”</td>
<td>#22 or 5/32”</td>
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</tbody>
</table>

Sex nuts may be used. The optional #10-32 sex nut kit is available in four finishes. Order Catalog No: SN2 (specify finish required).

Narrow Stile Endcap Mounting Plate Fascia
(For use on Glass Doors)
(not used with EC2 endcap)

a. Remove the endcap mounting bracket.
b. Attach the fascia with the adhesive tape.
c. Re-attach the endcap mounting bracket.
94 DOUBLE DOOR STRIKE INSTALLATION
(if required)

NOTE: FOR DEVICE FUNCTION AND OTHER DIMENSIONS, SEE APPROPRIATE DEVICE AND/OR TRIM INSTRUCTIONS

THE DEVICE USED ON THE ACTIVE DOOR SHOULD BE INSTALLED SO THAT THE STRIKE WILL DEPRESS THE DEADLOCK SUFFICIENTLY TO ALLOW FOR ANY AND ALL ALARM / ELECTRONIC FUNCTIONS. ADD SHIM (P/N 102214) AS REQUIRED. TWO PROVIDED IN KIT. THE INACTIVE DOOR SHOULD CLOSE FIRST.
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

10 Series (Wide)  40 Series (Narrow)

#1/4-20 X 1-1/2" Screw (4) Included

**Sex Nut**
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
p/n: 101616-X

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

Security Screws
Security Pin TORX® Bits provided

**Double Door Strike Kit**
Catalog No: 94 (includes shim & screws)
screws
p/n: 102212-1

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, BP5, BP6, BP7 or BP8 followed by 605, 606, 611, 612, 613, 625, 626, 628, 629, 630, 693, 695 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, 693, 695 or 711 followed by 98 or 99, followed by 36 or 48.

**Cylinder nut socket kit**
p/n: 103779