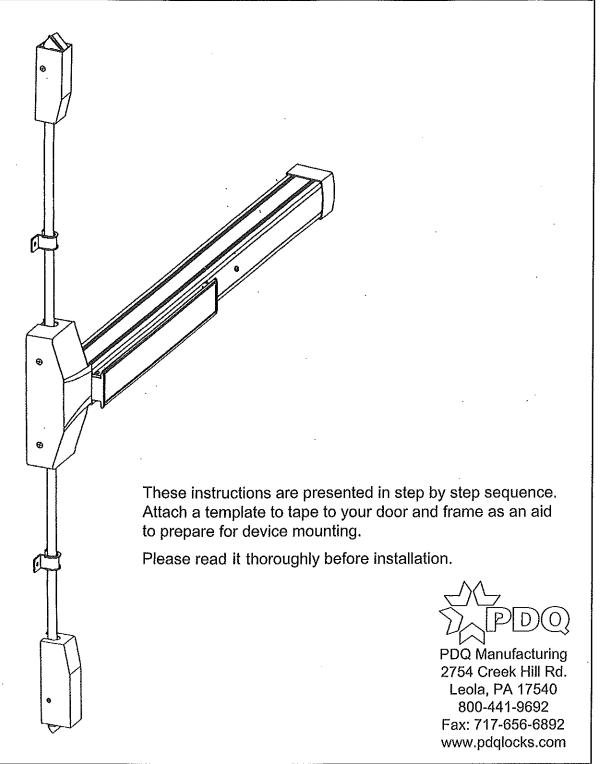
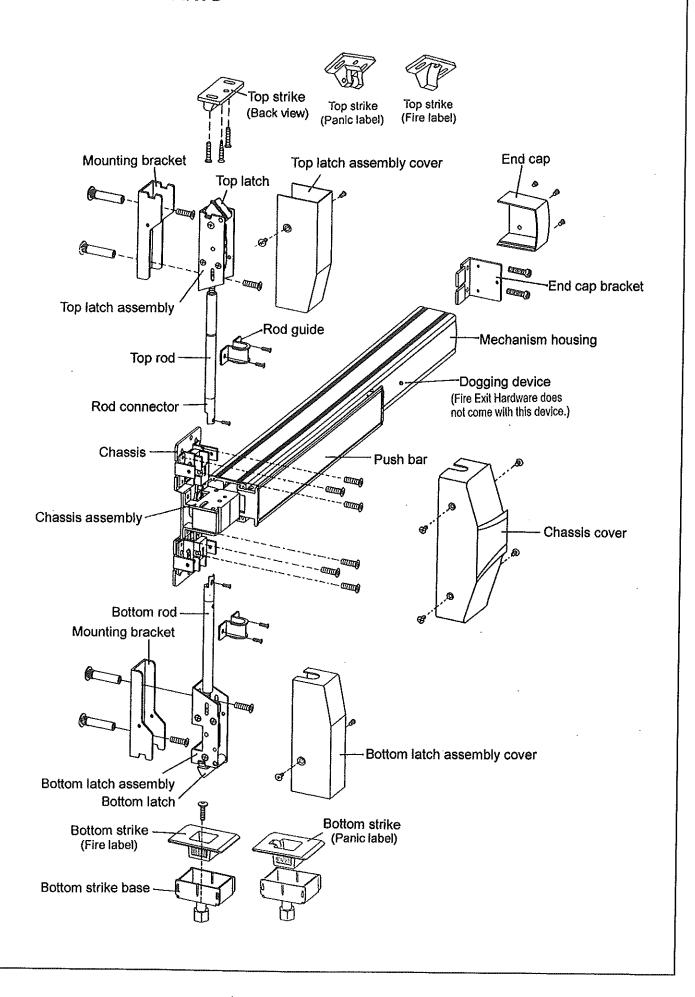
PANIC / FIRE EXIT SURFACE MOUNTED VERTICAL ROD DEVICES

INSTALLATION INSTRUCTIONS



DESIGNATION OF PARTS



BEFORE INSTALLING THIS EXIT DEVICE:

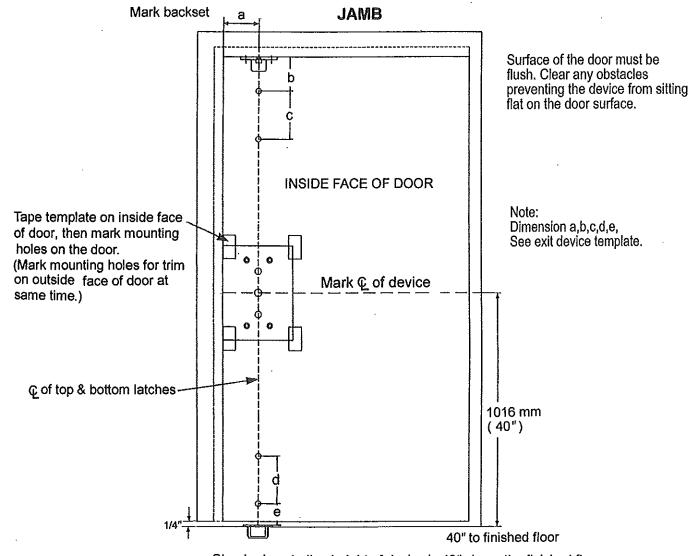
- 1. Check device to be sure the type is correct for the application.
- 2. Check device for the correct length, finish and outside trim to be used.

STEP 1: PREPARE DOOR

- 1. Mark position of holes on the door using full size templates. (See Figure 1)
- 2. Locate and drill all holes as marked on door for device chassis, top & bottom latch mounting brackets, and end cap bracket.
- 3. Machine holes for outside trim if required. See trim template.

Note:

Drill pilot holes from the inside to ensure good alignment with holes on the exterior door face (if reguired).



Standard centerline height of device is 40" above the finished floor.

Figure 1

STEP 2: INSTALL BRACKETS, DEVICE & TRIM

- 1. Remove chassis cover from chassis assembly and end cap from end cap bracket.
- 2. Cut the length if required.

For user information: this model device has 2 different lengths.

For use on 3' wide door device = Approx. 33"

For use on 4' wide door device = Approx. 44"

The lengths of devices are precut for 36" and 48" wide door use, no additional cutting is necessary. If narrow door installation is needed, cut device "A" portion to door width minus 4" to fit properly. Consult factory for limitations.

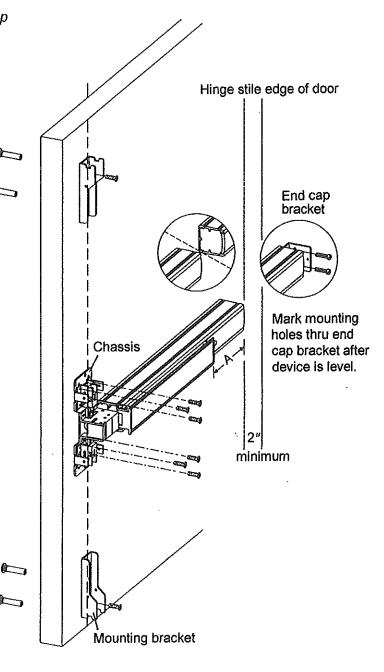
Note:

If cutting is necessary, device must be cut straight and clean all burrs for proper end cap fit.

- 3. Mount device horizontally to the drilled position. Secure device to the door using fasteners (or optional sex bolts) provided. See trim template if applicable.
- 4. Make sure trim actuating shaft can insert into device cam. (Ref. View * ♣ ″ for cam description.)
- Install end cap bracket on device then screw to door. (Make sure device is level.)
- Install two mounting brackets on top and bottom of the door. (See Figure 2.)



INSERT TRIM ACTUATING SHAFT INTO DEVICE CAM





STEP 3: INSTALL BOTTOM ROD AND BOTTOM STRIKE

- 1. Mount bottom latch assembly into mounting bracket. (See Figure 3.)
- 2. Screw the threaded end of bottom rod into bottom latch assembly. (See Figure 4.)

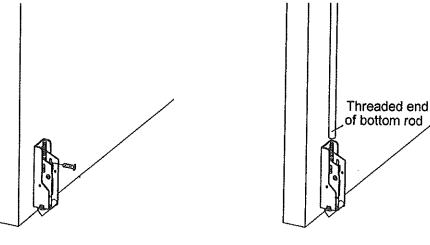


Figure 3

Figure 4

3. Tighten bottom rod on arrow mark position of chassis assembly. (See Figure 5.)

Note: If the hole of bottom rod connector does not match in alignment with the mounting hole, to adjust the overall length by turning rod in or out of latch assembly.

 Install bottom strike into finished floor or threshold, and be sure to align center line of bottom latch with center line of bottom strike. (See Figure 6.)

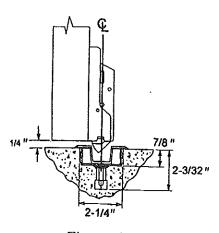
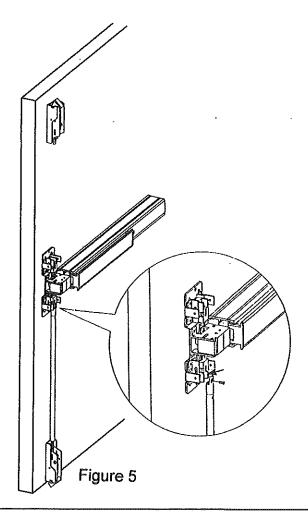


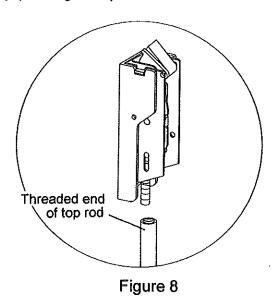
Figure 6

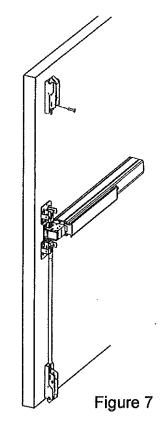
- 5. Depress push bar and release for checking correct installation:
 - 5-1 Make sure bottom latch can be held retracted and flush with the edge of door when push bar is depressed.
 - 5-2 Check bottom latch bolt has 19/32" (15mm) throw minimum when push bar is released.



STEP 4: INSTALL TOP ROD AND TOP STRIKE

- 1. Mount top latch assembly into mounting bracket. (See Figure 7.)
- 2. Screw the threaded end of top rod into top latch assembly completely. (See Figure 8.)



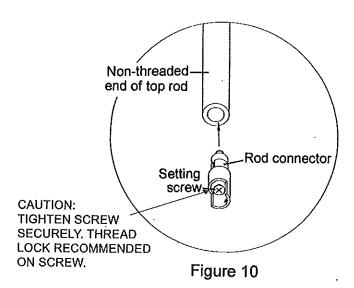


3. Measure and cut the length of top rod. The length of top rod is measured to the edge of rod connector which is going to be fastened on arrow mark position of chassis assembly in next step. Mark the cutting line then cut the excess portion. (See Figure 9.)

All cuts must be straight, smooth and square.

Thread lock recommended at top rod union fitting.

4. Insert rod connector into the non-threaded end of top rod and fasten the setting screw securely. (See Figure 10.)



5. Tighten top rod with rod connector onto arrow mark position of chassis assembly. (See Figure 11.)

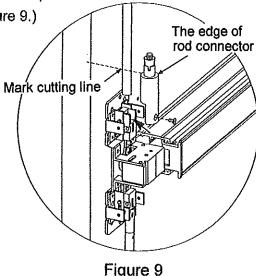
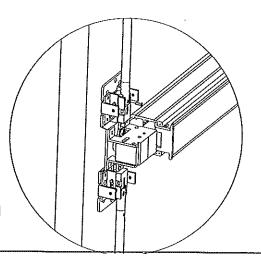
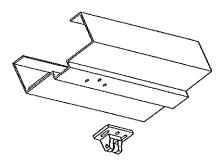


Figure 9



6. Mark mounting holes for top strike on jamb using template (see Figure 12) then fasten with supplied screws. (See Figure 13.)



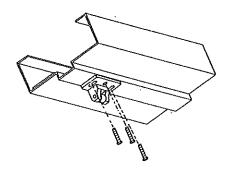


Figure 12

Figure 13

STEP 5: TEST OPERATION

- 1. Depress push bar, top latch should be held retracted. While top latch bolt is retracted, the bottom latch must clear floor and bottom strike at same time when door is opened.
- 2. Release push bar, both top latch bolt and bottom latch bolt should be fully extended.
- 3. Check device operation by depressing and releasing push bar for several times to assure final correct operation.
- 4. Repeat device operation by opening and closing door for several times with outside trim if applicable to make sure there are no problems.
- 5. Readjust rods if either top latch bolt is not held retracted or bottom latch bolt does not clear floor and bottom strike.

STEP 6: INSTALL COVERS

- 1. Before installing covers, check for secure latch bolt engagement. Adjust strikes if required.
- Install all device covers and two rod guides in position.(See Figure 14.)

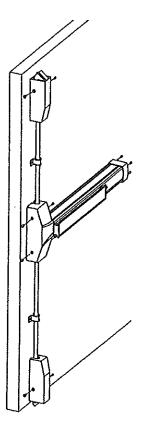


Figure 14