GENERAL NOTES  

Before installing exit device, verify or note the following:

1. Fire exit hardware is to be installed only on fire doors bearing the marking “Fire Door To Be Equipped with Fire Exit Hardware”.

2. Any retrofit or other field modification to a fire rated opening can potentially impact the fire rating of the opening. The exit device manufacturer makes no representations or warranties concerning what such impact may be in any specific situation. When retrofitting any portion of an existing fire rated opening, or specifying and installing a new fire rated opening, please consult with a code specialist or local code official (Authority Having Jurisdiction) to ensure compliance with all applicable codes and ratings.

3. The door surface must be flat and properly reinforced at the exit device mounting locations. If door is not reinforced, the door surface may collapse or bow-in, causing malfunction in the exit device operation.

4. Door must be properly fitted and hung.

5. The 3’ exit device model can be cut to fit doors from 30 to 36’’ (762 to 914 mm) in width (refer to section 5 on page 2).

6. Determine door handing (see illustration below). Exit device is handed. If handing change is required refer to handing instructions below.

7. For wood doors or hollow metal doors use through bolts, and for metal reinforced doors drill & tap and use machine screws. (Refer to template document).

DOOR HANDING

RIGHT HAND REVERSED  

LEFT HAND REVERSED

HANDING CHANGE INSTRUCTIONS

To change hand of device: use 2 1/4” (57.2 mm) long pin to knock out lift lever pin, remove lift lever and reassemble at other end of main chassis assembly by reinserting lift lever pin (see figure below)

Use 2 1/4” long pin to knock out lift lever pin and re-orient lift lever (as shown)
1. MARK VERTICAL AND HORIZONTAL REFERENCE LINES ON DOOR

Determine the backset based on door lock stile width, and locate the vertical reference line.

a. If lock isile is 4 1/2" (114.3 mm) wide or wider, use 2 3/4" (69.9 mm) backset.
b. If lock slide is less than 4 1/2" (114.3 mm) wide, place the backset at 1/2" of the exposed lock slide width.

2. DOOR PREPARATION AND EXIT DEVICE INSTALLATION

A. Prepare Door, Frame and Floor

1) It is recommended to reinforce the door at the exit device mounting locations and make all required cutouts and holes larger than 1 1/2" (38.1 mm) diameter at the door fabrication shop using dimensions provided in the installation templates.
2) Otherwise, mark the vertical and horizontal reference lines on the door interior surface of the door provided using dimensions.
3) a) Position main template on interior door surface by aligning the vertical and horizontal lines and mark the four (4) main chassis mounting holes.
b) Drill all main chassis mounting holes as per supplied template instructions.
c) If a trim is used, use also the appropriate trim installation template (refer to section 4).
4) a) Position top latch template on interior door surface by aligning the vertical reference line at the indicated dimension from the frame stop and mark the four (4) top latch chassis mounting holes on the door and four (4) holes on the frame for the strike.
b) Drill all top latch chassis and strike mounting holes as per supplied template instructions.

B. Install Exit Device

1) If no trim is used, install main chassis using four (4) thru-bolts or drill and lap for #10-24 UNC if door is properly reinforced.
2) Level rail assembly and attach the rail mounting bracket to door using two (2) thru-bolts or drill and lap for three (2) #10-24 UNC machine screws if door is properly reinforced and prepped. Use bracket as template.
3) If trim is used refer to section 4.

C. Mount Main Chassis and Strike

1) Determine the backset based on door lock stile width, and locate the vertical reference line.
2) Attach main chassis to the door using four (4) thru-bolts with sexnuts.
3) Attach the main chassis cover using supplied machine screws.
4) If required, fill existing frame strike location on door frame with the strike filler plate using supplied mounting screws.
5) Attach pull trim and chassis to door using hardware supplied with the pull trim.
6) Ensure that the trim does not extend past the cut surface.

For fire labelled doors: it is recommended that all cutouts and holes be done at the fabrication shop, as field modifications may impact the door fire rating.

For pre-chosen trim (9500TL) installations, refer to the template and installation instructions supplied with the applicable trim.

TYPICAL TRIM INSTALLATIONS

Lever or Knob Trim

a) Confirm length of device and determine if rail cutting is required.
3) Cut off & deburr.
2) If required, fill existing frame strike location on door frame with the strike filler plate using supplied mounting screws.
If required, fill existing frame strike location on door edge with the latch filler plate using supplied mounting screws.

For doors and frames that have been prepared for use with strikes and latches, install the appropriate filler plates using flat head wood or machine screws.

4. INSTALL TRIM

a) Refer to applicable trim template and installation instructions: drill/bore holes on door exterior surface as per trim installation instructions.
b) Ensure all holes are counterbored with the exit device and with applicable trim.
c) Do not overtighten trim mounting screws, and ensure door surface is not bowed in.

CAUTION: Overtightening may cause exit device to jam.

Verify that the trim operation retracts the exit device latch.

5. MODIFY RAIL

a) Confirm length of device and determine if rail cutting is required.
b) Determine length ‘X’ by subtracting 1 3/4" (45 mm) from ‘Y’.

6. INSTALL COVERS

a) Attach the main chassis cover to the main chassis using supplied machine screws.
b) Attach the rail end cap to the rail mounting bracket using supplied machine screws.
c) c) If required, fill existing frame strike location on door frame with the strike filler plate using supplied mounting screws.
d) If required, fill existing frame strike location on door frame with the strike filler plate using supplied mounting screws.
e) If required, fill existing frame strike location on door edge with the latch filler plate using supplied mounting screws.

Previously prepared fire labeled doors must meet the requirements in note A2 in General Notes on Page 1.