Read All Warnings
Before Starting Installation!

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GENERAL INFORMATION

These instructions are presented in step-by-step sequence as an aid to preparing for device mounting.

Please review the first two pages carefully which will help identify the hardware and define the terminology used throughout.

SPECIFICATIONS

Fire rated for 8’ openings maximum.

Read All Warnings Before Starting Installation!

WARNING

To insure mullion is locked, remove key, reinstall and pull mullion.

TOOLS NEEDED

These are the necessary tools for installing an EPT into a factory-prepped door and frame.

- Block wood
- 1/16” Allen wrench
- Center Punch
- Drill
- 11/32” Drill bit
- 13/32” Drill bit
- Phillips screwdriver
- Straight-blade screwdriver
- Hack saw
- Hammer
- Measuring tape
- 5/16” Tap
This kit contains the following parts (not to scale):

- **Locking mullion assembly**
- **Top mullion fitting**
- **Fusible spacer**
- **Bottom mullion fitting** *(F-4023 KR and blank only)*
- **Electric shim plate**
- **5/32 Security hex key**
- **Cylinder lock nut**
- **Cylinder locking washer**
- **Back cover plate**
- **Mullion body** *(F-4023 KR and blank only)*

**Screw Legend (to scale):**

- **1/4-20 x 1" Flat head socket security machine screw** *(2x)*
- **5/16-18 x 1 1/4" Flat Phillips head machine screw** *(4x)*
- **8-32 x 1/4" Undercut Phillips head socket security machine screw** *(4x)*
- **5/16-18 x 1 3/4" Flat Phillips head machine screw** *(4x)*
- **8-32 x 3/8" Set screw** *(1x)*
- **5/16-18 Expansion anchor** *(2x)*
- **1/4-20 x 3/8" Phillips pan head machine screw** *(2x)*
INSTALLATION

1 Prepare the keyed removable unit.

1.1 Position cylinder locking washer over mortise key cylinder hole.
1.2 Insert mortise key cylinder through collar and into hole.
1.3 Thread cylinder lock nut onto mortise key cylinder. Be sure to fasten down tight.
1.4 Position back cover plate.
1.5 Install screws. (8-32 x 1/4” undercut flat head socket machine security screw). Do not tighten down.

NOTE: Raise the locking pin lever to aid in the installation.

NOTE: Cylinder must be oriented as shown.

Do not tighten down.
2 Adjust and install bottom mullion fitting.

Note: If bottom mullion fitting already exists, go to Step 3.
2.1 Adjust ball plunger out until ball is compressed when fitting is engaged with mullion. Once adjusted properly, lock-tight in place.
2.2 Drill 5/8” diameter x 1 3/4” deep holes.
2.3 Install 5/16” x 18 expansion anchors.
2.4 Position bottom mullion fitting.
2.5 Install screws (5/16 - 18 x 1 3/4” flat Phillips head machine screw).
3 Size mullion.

3.1 Measure distance from frame to bottom mullion fitting.
3.2 Determine mullion length using formula and cut. Remove all burrs and sharp edges.

* Mullion length = ‘X’ less 5 11/16”
(for electric KR9854 mullion length = ‘X’ less 5 3/4”)

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Measure from this edge

Measure to this edge

Mullion length* (see below)

Do not cut end of mullion with warning label
4 Install top mullion fitting.

1. Position top mullion fitting.
2. Mark holes.
3. Drill and tap frame for 5/16 - 18 screws using top mullion fitting as template.
4. Install screws (5/16 - 18 x 1 1/4" flat Phillips head machine screw).
5. Position fusible spacer.

Top mullion fitting shim

Note: If mullion is cut between 1/16” - 1/8” too short, add top mullion fitting shim.

Door opening

Mounting top mullion fitting on optional frame styles:

Note: 16 Gauge reinforcement supplied by frame manufacturer.

Filler block is to be supplied by frame manufacturer.
5 Attach keyed removable unit to mullion.

5.1 Position keyed removable unit onto top of mullion.
5.2 With a hammer and a block of wood, tap keyed removable unit snug against mullion.
5.3 Drill two 13/32" diameter holes using holes in unit as template.
5.4 Drill two 11/32" diameter holes.
5.5 Install sex bolts by taping into hole with a hammer and a block of wood.
5.6 Install screws (1/4 - 20 x 1" flat head socket security machine screw).
5.7 Tighten down screws (4 places).
6 Final installation and adjustment.

6.1 Install screw (8 - 32 x 3/8" set screw) until flush with face of top mullion fitting.

6.2 Check for tightness of mullion by pushing and/or pulling on mullion. To tighten, remove mullion (see Step 7) and rotate set screw out 1/2 turn. Repeat this procedure until desired tightness is reached.

7 Operation.

Rotate key 180° clockwise to unlock and remove mullion

**WARNING**

If set screw is adjusted out too far, the bolt may not latch completely allowing the mullion to fall out when impacted.