

EX80 Dummy Pushbar

with monitoring switches

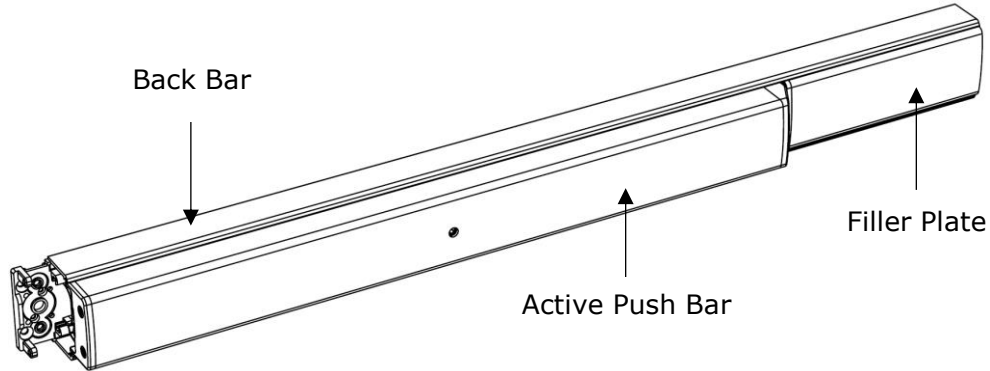


ASSA ABLOY

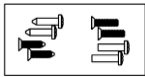
Preparation Guide and Installation Instructions

Box Contents

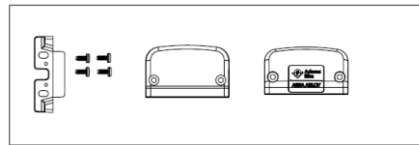
EX80 Dummy Pushbar



Mounting Hardware Kit



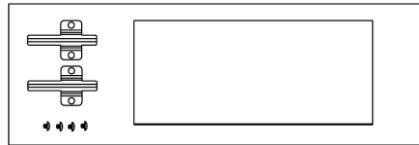
Mounting End Cap Kit



Strain Relief Kit



Inactive Blocking Bracket Kit



Recommended Installation Tools

Safety glasses
Power drill

Measuring tape
Drill bits: 5/32", 3/8"

Level
Center punch

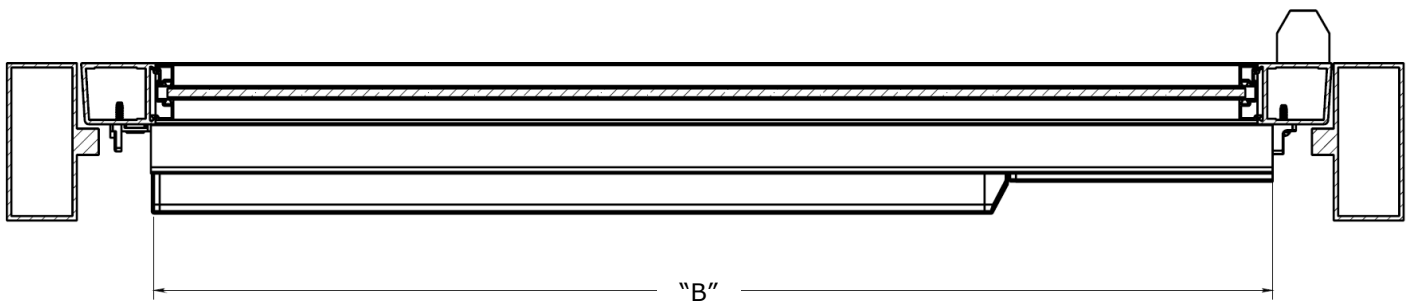
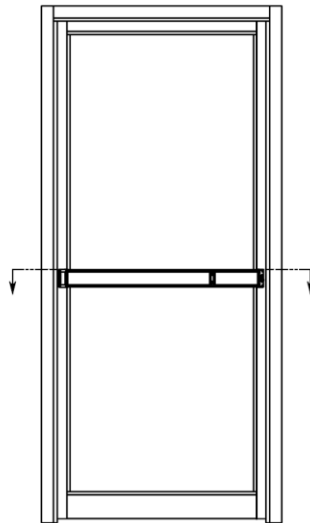
Pencil
Phillips screw driver

IMPORTANT NOTE 1: All work must be performed to applicable building, regulatory and life-safety codes. Please consult local Authority Having Jurisdiction (AHJ) for more information.

IMPORTANT NOTE 2: The Americans with Disabilities Act (ADA) guidelines specify door hardware be installed 34" minimum and 48" maximum above the finished floor

Sizing the Device

Standard Door Widths and Mounting Hole Spacing			
Device Length	Regular (R)	Midlength (M)	Long (L)
Standard Door Width <i>No Cut Required</i>	36"	42"	48"
Minimum Door Width Device Can Support	30"	30"	42"



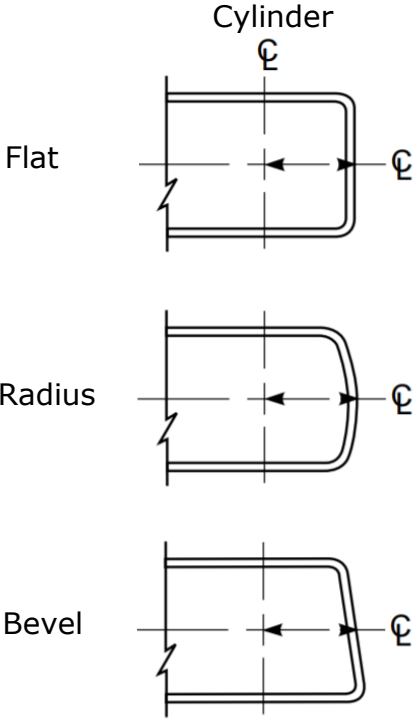
NOTE: All EX Series Devices are sized at the factory for 5/8" frame stop in narrow stile aluminum applications.

1. DETERMINE cut off dimension "B" Back Bar extrusion length by subtracting 3-7/8" from door opening width.
2. MARK cut off line "B" on Filler Plate and Back Bar.
3. REMOVE Filler Plate from Back Bar and CUT along lines on both pieces. REPLACE Filler Plate into Back Bar.

IMPORTANT NOTE: Do not cut Active Push Bar

Measuring the Backset

NOTE: Backset is always measured at the door centerline, and not edge.



The backset required by this Dummy Pushbar is **1-3/64"**

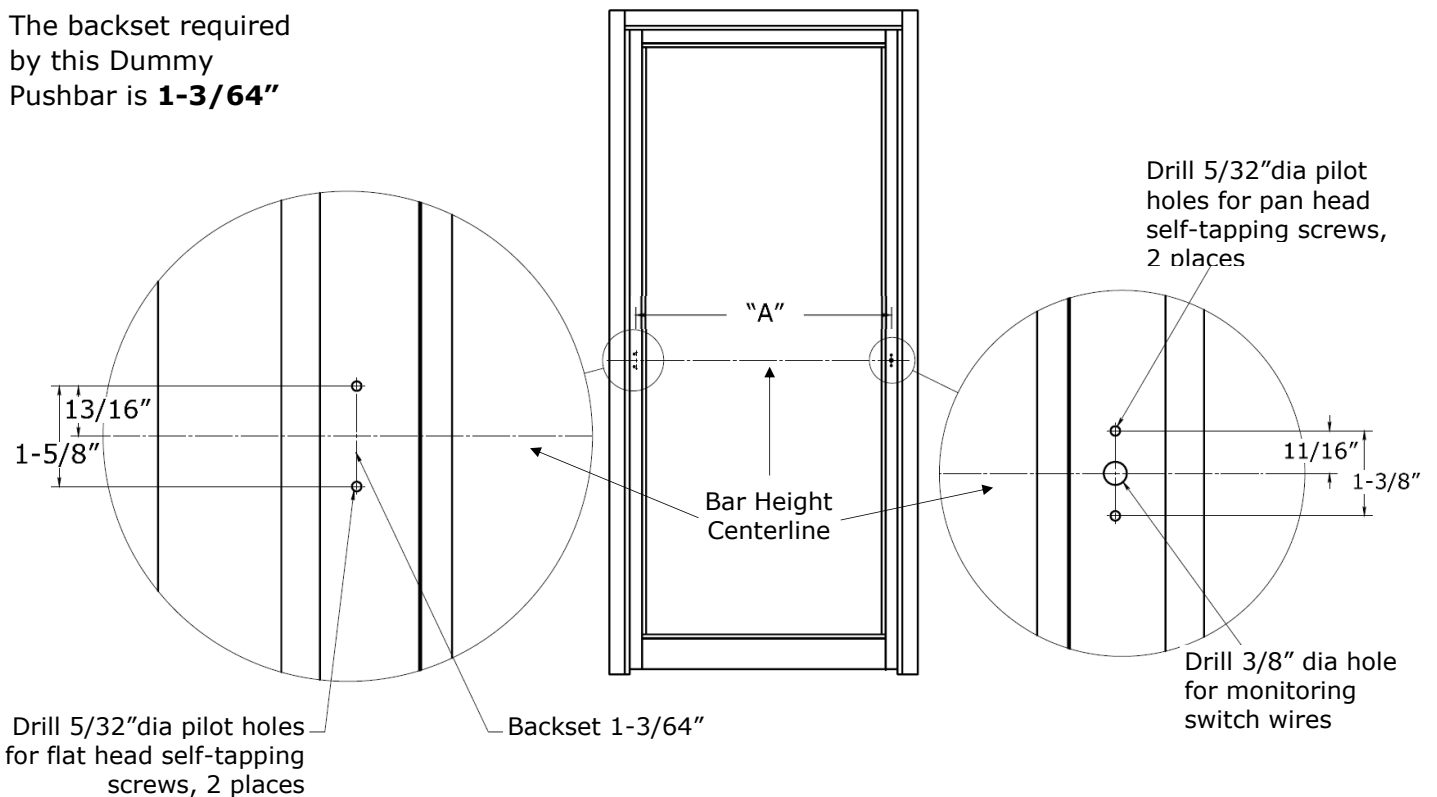
Preparing the Inside of the Door (LHR Shown)

1. DETERMINE and MARK the applicable bar height centerline (horizontal line) of the exit device on the interior of the door.
2. DETERMINE and MARK the 1-3/64" required backset.
3. DETERMINE and MARK the location of the latch end mounting holes by using the bar height centerline of the exit device and the backset centerline (vertical line) of the door.
4. DETERMINE and MARK the hinge side preparation using dimension "A" as shown in the "Standard Door Widths and Mounting Hole Spacing" chart below.
5. **IF** standard door widths, as shown in the chart below, are not being used, **THEN** CUT to proper length using *Sizing the Device* section on page 2.
6. MARK, CENTER PUNCH, DRILL all holes.

Standard Door Widths and Mounting Hole Spacing			
Device Length	Regular (R)	Midlength (M)	Long (L)
Standard Door Opening Width	36"	42"	48"
Dimension "A"	33-3/8"	39-3/8"	45-3/8"

NOTE:

The backset required by this Dummy Pushbar is **1-3/64"**

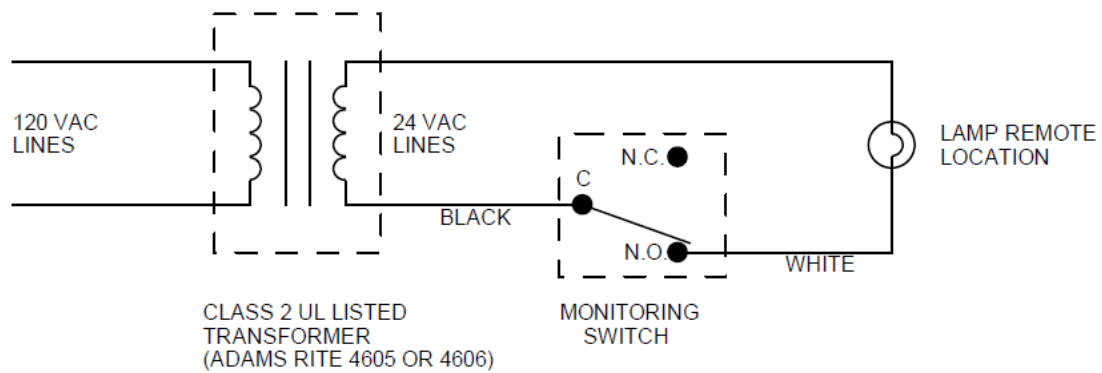


Configuring the Device

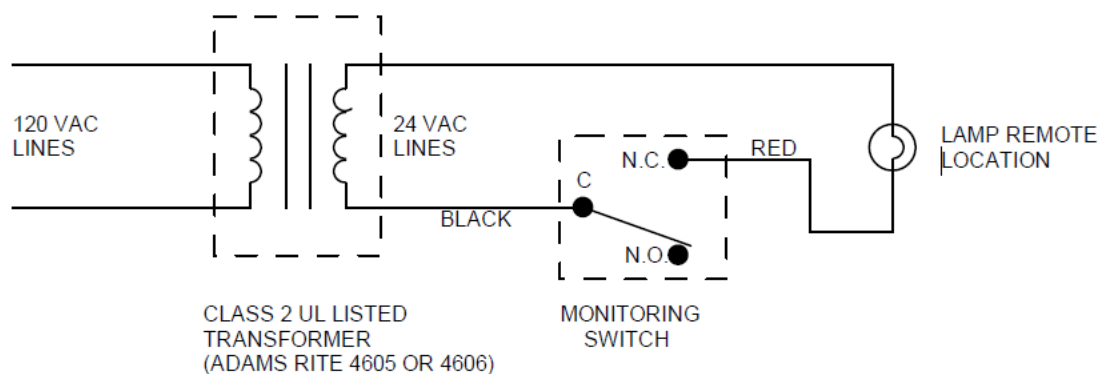
Active Configuration

IF the Dummy Pushbar is ACTIVE and monitoring is required for this installation the following conditions must be met in order to comply with Underwriters Laboratories (UL) requirements:

- Use a UL listed Class 2 energy limiting transformer with a minimum power of output 12 VA such as the Adams Rite 4605 Transformer or 4606 Plug-in Transformer
- The transformer must be mounted externally to the door on a nearby junction box in accordance with national electric code.
- Wires must be protected from abrasion where they pass through the hinge rail. A rubber grommet is sufficient.



Active Dummy Pushbar wiring example 1: lamp goes on when bar is pushed down



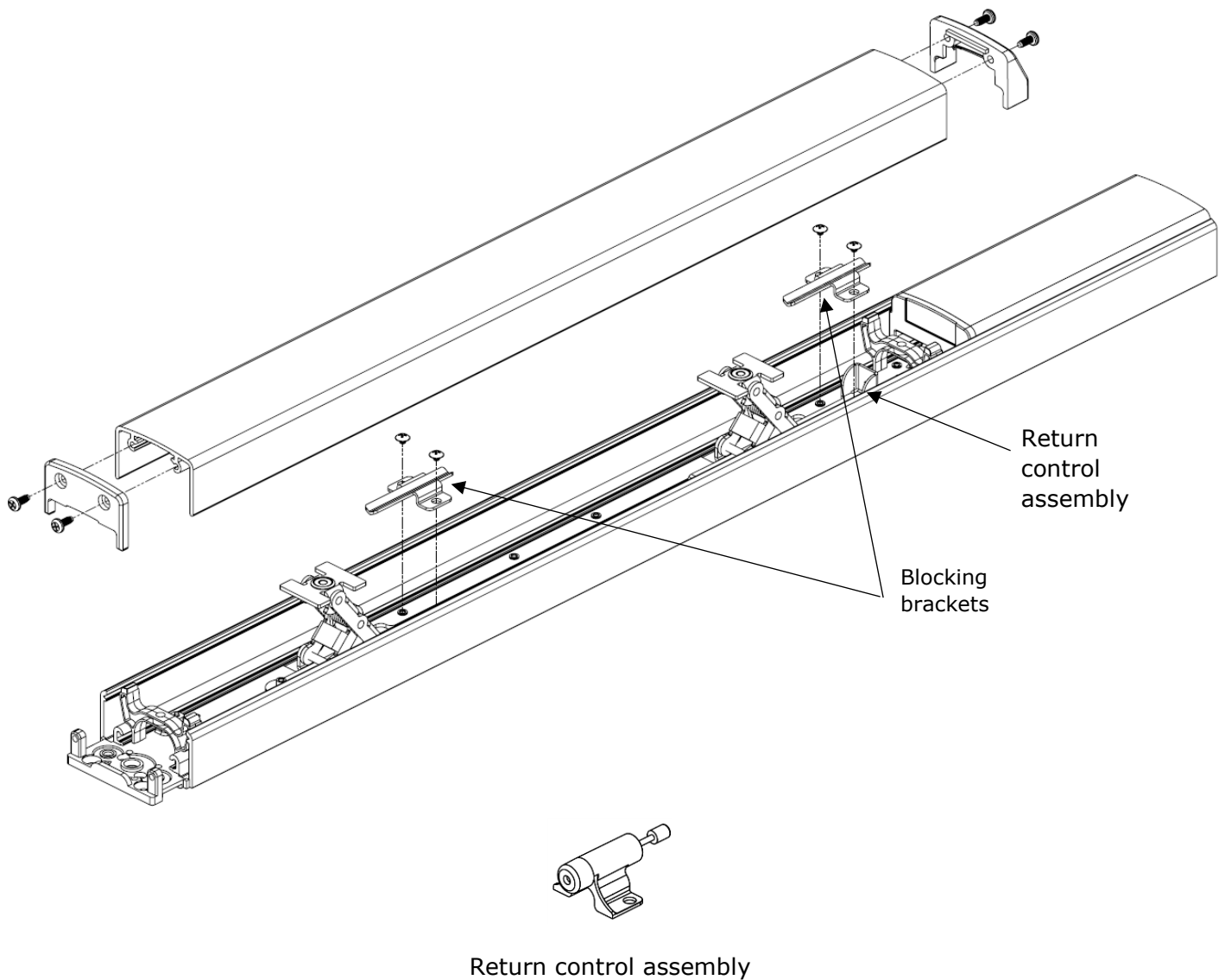
Active Dummy Pushbar wiring example 2: lamp goes out when bar is pushed down

Inactive Configuration

IF the Dummy Pushbar is INACTIVE and monitoring is not required for this installation, THEN INSTALL the Blocking Brackets as shown.

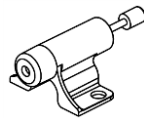
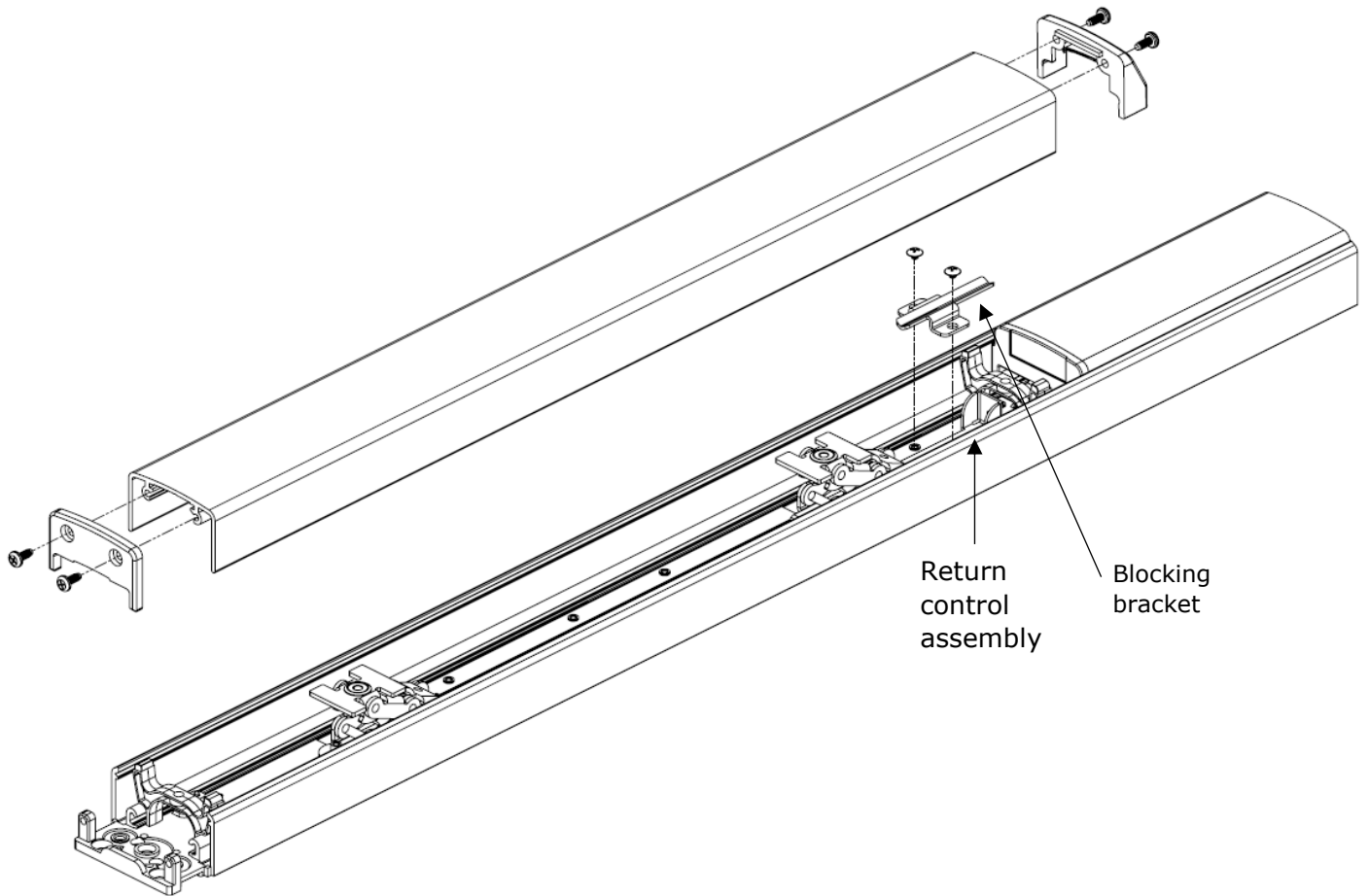
Inactive, in UP position

For inactive dummy pushbar with the push pad in the UP position, remove return control assembly and install blocking brackets as shown.



Inactive, in DOWN position

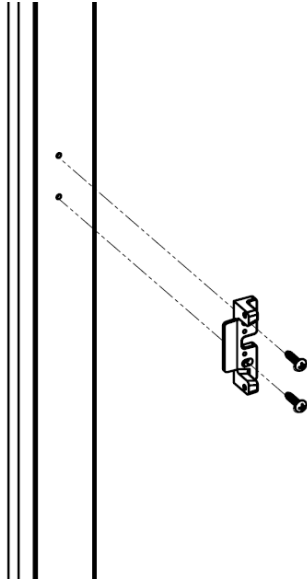
For inactive dummy pushbar with the push pad in the DOWN position, remove return control assembly and install blocking bracket as shown.



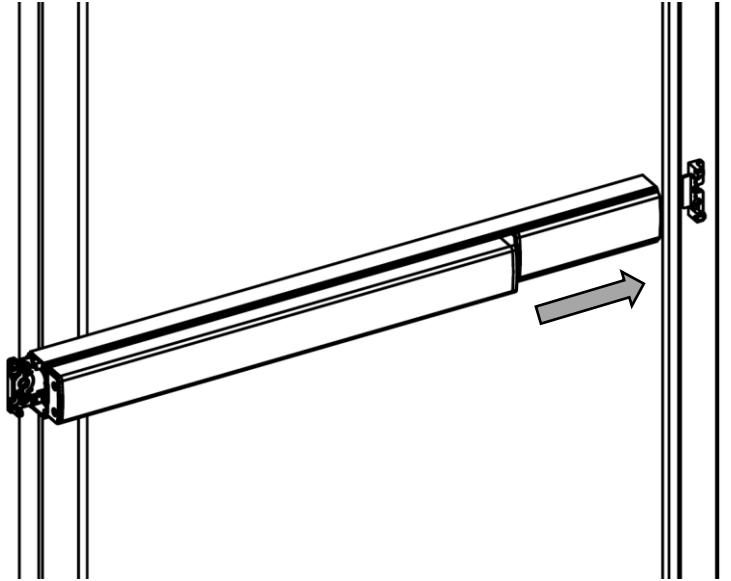
Return control assembly

Installing the Device

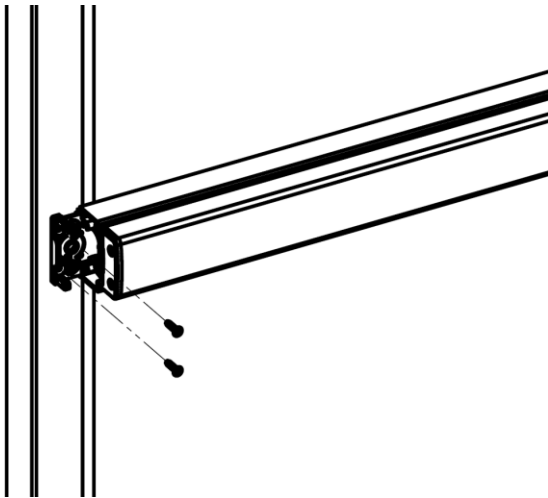
NOTE: Use provided self-tapping screws for aluminum or hollow metal applications.
Use provided wood screws for wood applications.



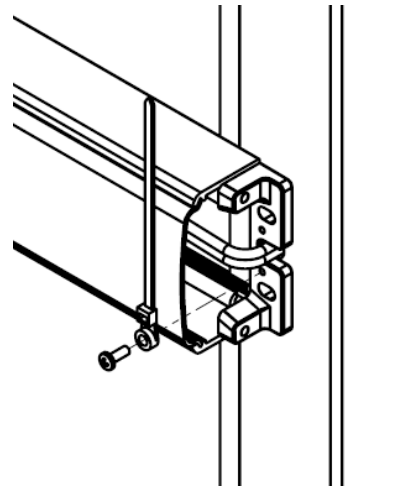
1. INSTALL Mounting Foot on hinge side of door using two (2) #10-32 x 3/4" self-tapping pan head screws.



2. SLIDE the exit device onto the mounting foot



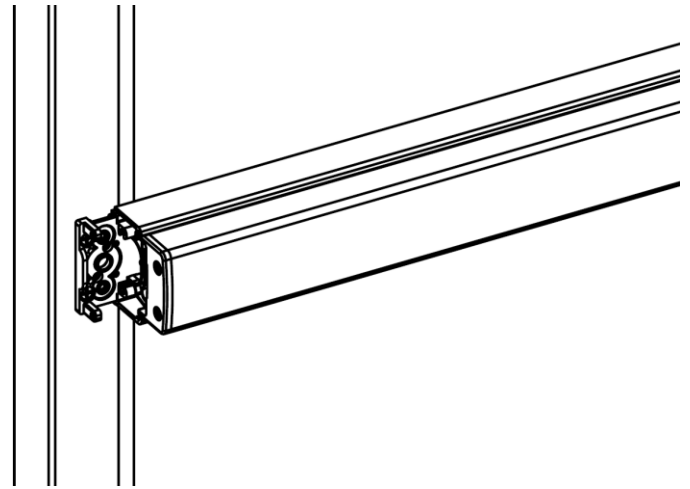
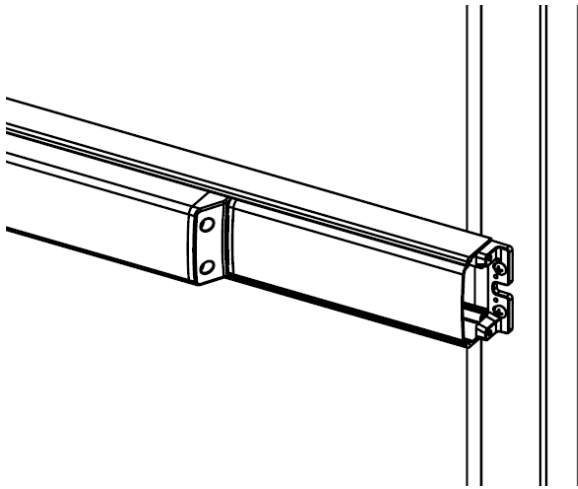
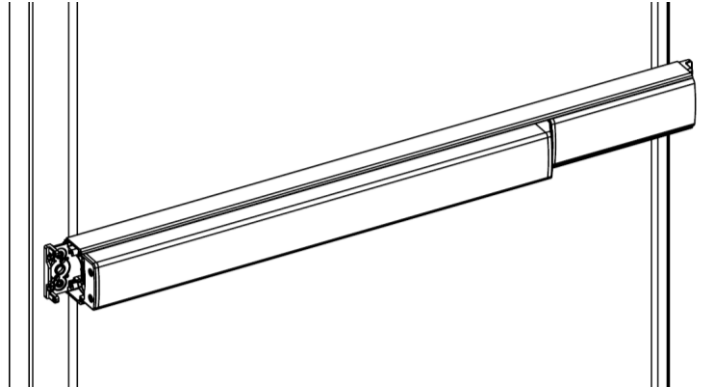
3. INSTALL Mounting Base on latch side of door using two (2) #10-32 x 3/4" self-tapping pan head screws.



4. INSTALL clamp tie strain relief using one (1) #6-32 x 3/8" self-tapping pan head screw. SECURE monitor wires with clamp tie strain relief.

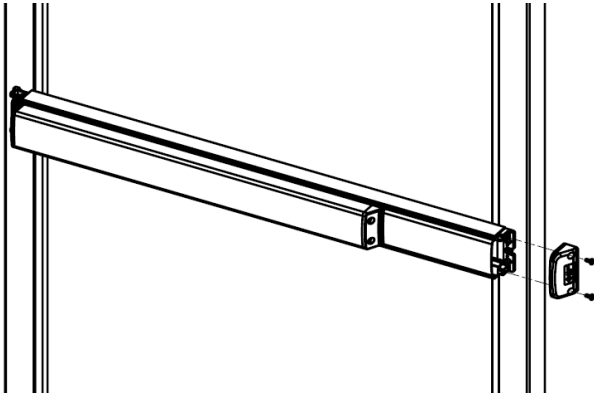
Testing and Adjusting Device Operation

1. **PERFORM** a visual inspection to make certain device will be level and secure.
2. **TEST** the operation of the Active Push Bar and **ADJUST** as necessary.

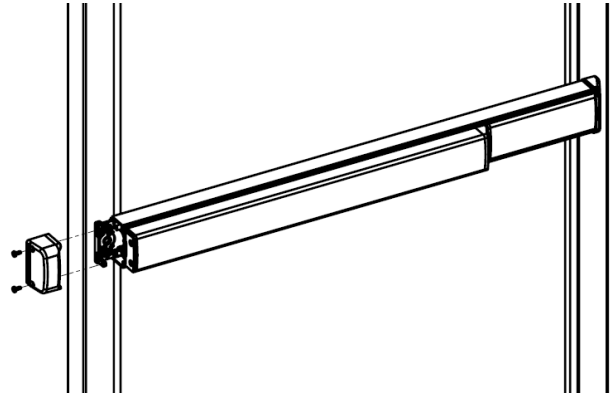


3. **TIGHTEN** two (2) #10-32 x 3/4" pan head self-tapping mounting screws on hinge side of door.
4. **TIGHTEN** two (2) #10-32 x 3/4" self-tapping pan head mounting screws on the on latch side of door.

Installing the Mounting End Caps



1. INSTALL Hinge End Mounting End Cap on hinge side of door using two (2) #8-32 x 3/8" tri lobe pan head screws.



2. INSTALL Latch End Mounting End Cap on latch side of door using two (2) #8-32 x 3/8" tri lobe pan head screws.

Maintenance

1. CHECK mounting fasteners periodically and TIGHTEN if loose.
2. APPLY screw locking compound or CHANGE part fasteners if screws continue to back out.
3. PERFORM periodic and required checks and adjustments of strikes to compensate for wear and tear such as door sagging.

Warranty

For complete warranty information, please visit the Adams Rite website:
<http://www.adamsrite.com/en/site/adamsritecom/about/warranty/>

Notes



ASSA ABLOY

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