EX80 Dummy Pushbar
with monitoring switches
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  Measuring tape  Level  Pencil
Power drill  Drill bits: 5/32”, 3/8”  Center punch  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

<table>
<thead>
<tr>
<th>Device Length</th>
<th>Regular (R)</th>
<th>Midlength (M)</th>
<th>Long (L)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Door Width</strong>&lt;br&gt;No Cut Required</td>
<td>36”</td>
<td>42”</td>
<td>48”</td>
</tr>
<tr>
<td><strong>Minimum Door Width Device Can Support</strong></td>
<td>30”</td>
<td>30”</td>
<td>42”</td>
</tr>
</tbody>
</table>

**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
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

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**NOTE:**

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

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Drill 5/32”dia pilot holes for flat head self-tapping screws, 2 places.
Drill 5/32”dia pilot holes for pan head self-tapping screws, 2 places.
Drill 3/8” dia hole for monitoring switch wires.
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.
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/