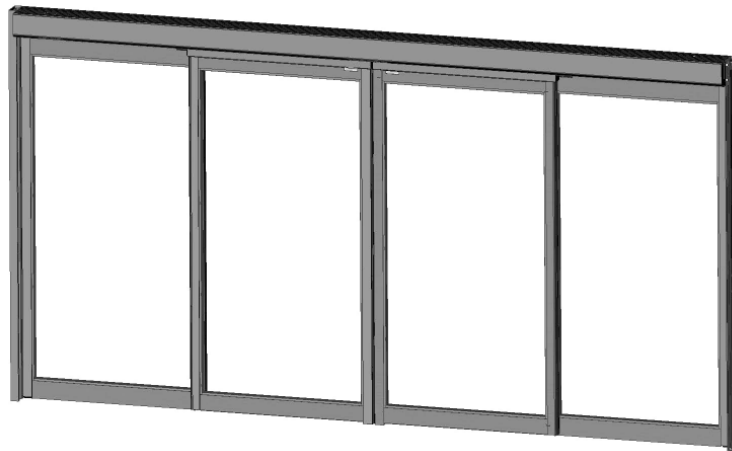




**TARGET
ADDENDUM***
To

Besam UniSlide™

**Installation and Adjustment
Manual**



***Note!**

This document is an addendum to US23-0920-02 and contains additional information for Target door installations.

ADDENDUM

Revisions

The following pages have been revised:

Page	Revision
Title	Updated Issue Date and manual revision level
2	Copyright date added
3	TOC updated
13	Updated "3-Position Rotary Switch Retrofit Installation" process and installed new graphics
13	Updated "Cover Switch Removal" process
14	Updated "Installing the Program Switch Accessory Board" process and installed new graphics
14	Updated "Fabricating Door Jamb for 3-Position Switch" process and installed new graphic
16	Updated New "3-Pos Knob Switch Installation" process and inserted new graphics
End cover pg	Copyright date updated

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Introduction

The following installation information is provided exclusively for the Target door packages.

Target Pedestrian Door Packages are Medium stile with 2-point lock, armored strike, exit indicators, 24-volt convenience battery, concealed door sweeps and emergency breakaway dampeners. Each package type is listed below followed by its unique features.

Door Package Orientation

Door package orientation is determined by the following items:

- Interior, Exterior and Garden center door packages
- According to the 3-position function switch orientation to the cart door (Illustration #1)

Interior Door - FBO

- ½" threshold under sidelites only and no lead ups. (see Illustration #2)
- Target security switch prep that allows the alarm company to retrofit an alarm system into the door (Illustration #3)
- Best key cylinder on interior side of door and no exterior prep

Exterior Door - FBO

- ½" threshold jamb to jamb with one lead-up on exterior side of door
- Target security switch prep that allows the alarm company to retrofit an alarm system into the door (see Illustration #3)
- Best key cylinder on interior side of door and no exterior prep

Garden Center Door - FSL

- ½" threshold jamb to jamb with two lead-ups and doors undercut ½"
- Target security switch prep that allows the alarm company to retrofit an alarm system into the door (see Illustration #3)
- Best key cylinder on interior side of door and no exterior prep

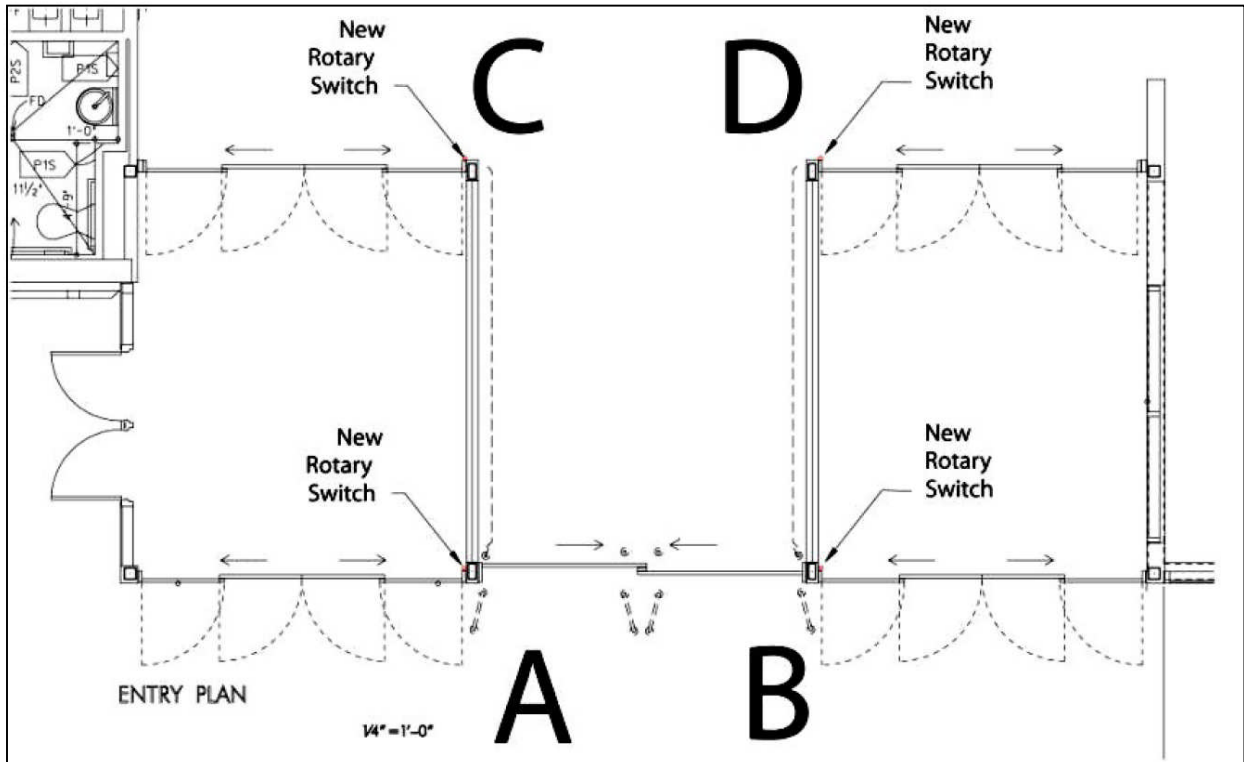
3-Position Function Switch

- Refer to the following illustration for door orientation (see illustration #1)

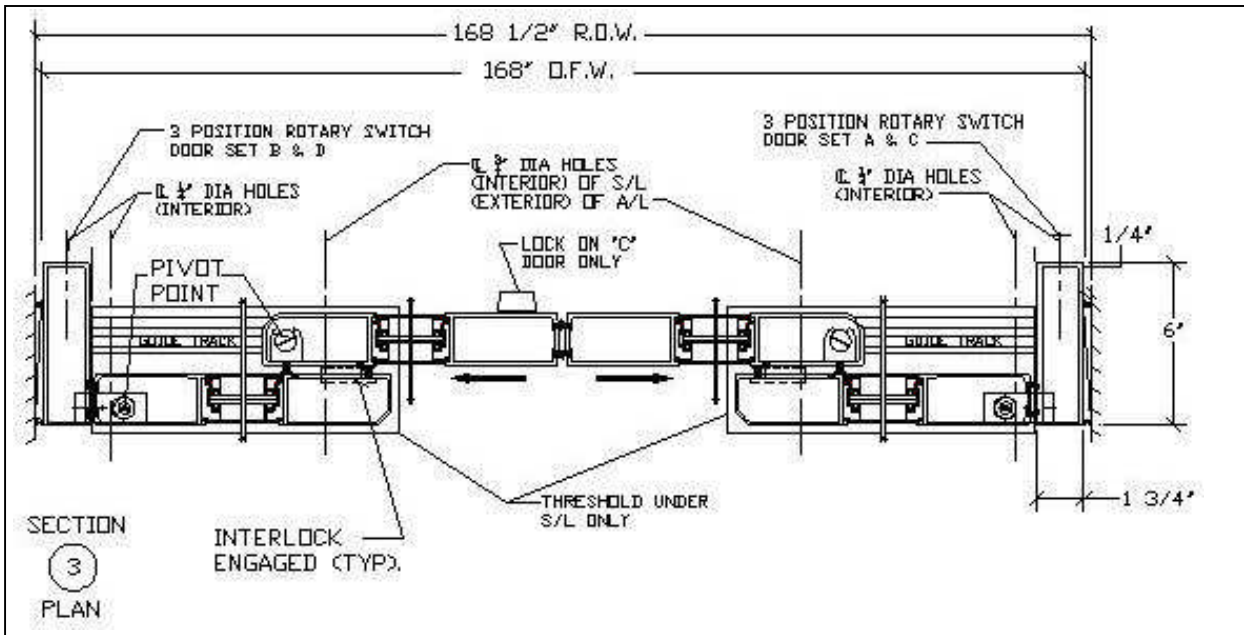
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Target Door Floor Plan

(Illustration #1)

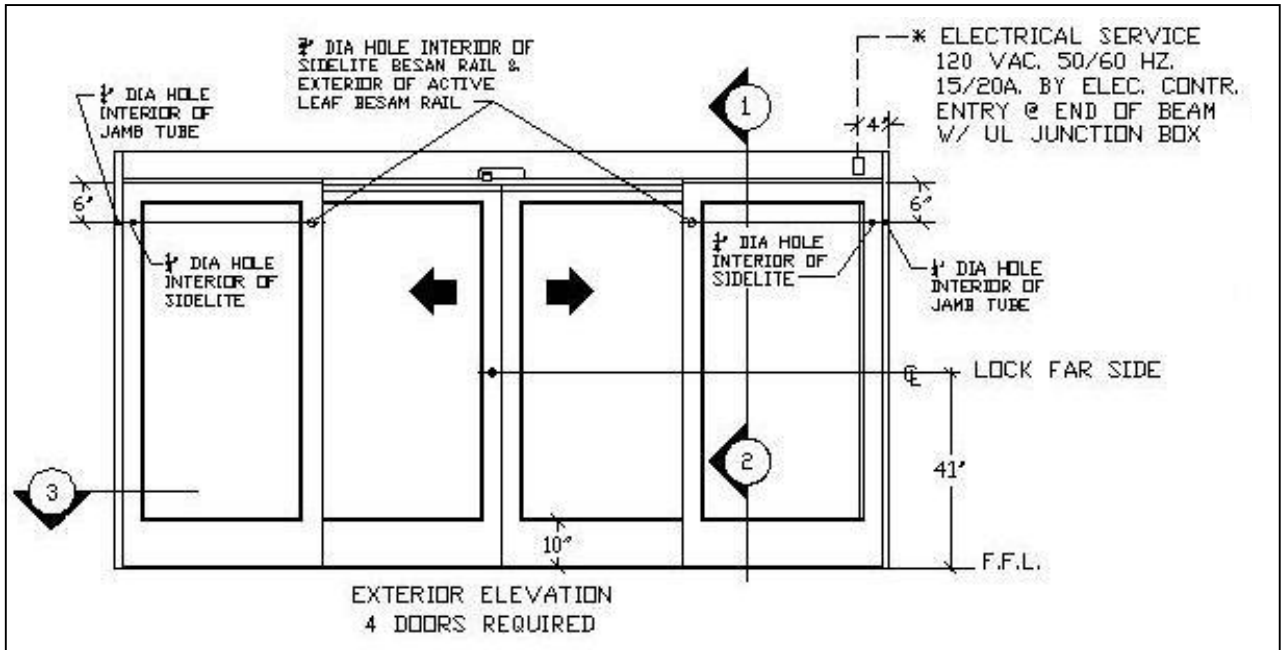


(Illustration #2)



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(Illustration #3)



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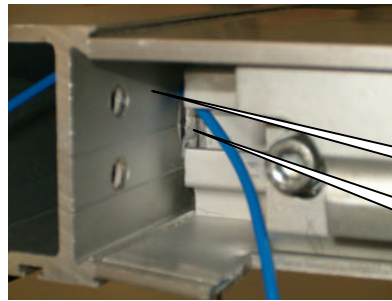
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Dual Hold Open Safety Beam Wiring Process

An improved method of installing and securing dual hold open safety beam wiring has been developed. To aid in the wiring installation, a process and drawings (see below) have been provided. (Reference drawing US23-0993-01 found at the end of this document.)

Wire Access Routing During Beam and Vertical Rail Fabrication

1. Drill holes in sidelite vertical rail and mount beams at appropriate height. (Remove all burrs and take measures to reduce electrical wiring chaffing.)
2. Route wires up vertical rail and run through existing hole behind vertical rail. (Reference Drawing US23-0993-01.)
3. Route wires behind ball catch and under Magnet Support. (Reference DETAIL C.)
4. Route wires along top rail and under Pivot Block. Wires should exit out of existing hole in rail. When routing wires under Pivot Block, be sure not to twist wires. Add service loop into vertical rail. (Reference DETAIL A.)
5. Insert square nut w/bolt into access hole on top rail. Slide square nut & bolt to approx. center of top rail. With wires routed under square nut, tighten bolt. (Reference DETAIL B.)



CAUTION:
To prevent electrical shorts, it is important to de-burr all surfaces that encounter electrical wiring.

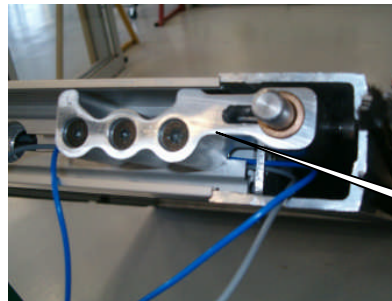
Sidelite Vertical Rail

Existing Hole

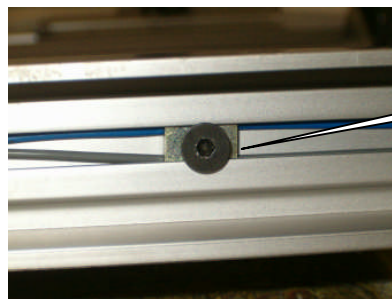


Ball Catch

Magnet Support



Pivot Block



Square nut w/bolt

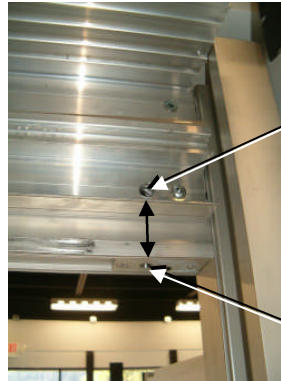
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6. Drill hole in bottom of header using pivot plate as guide. Use 3/8" drill bit to remove threading in hole. Ream hole as necessary. (Important to remove all burrs and protect wiring from chaffing.)



3/8" Drill Bit

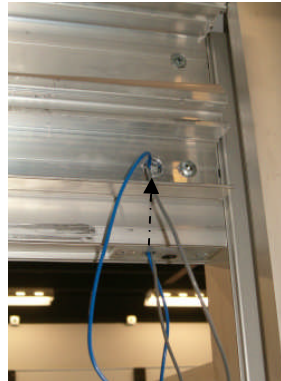
7. Drill second hole in cover side of header and ream as necessary. (Hole should line up vertically with hole drilled in bottom of header. Important to remove all burrs and protect wiring from chaffing.)



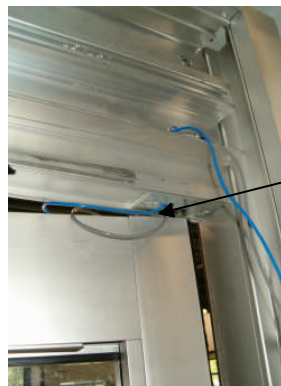
Drill Second Hole

Hole in Bottom of Header

8. Route wires up through drilled bottom hole in header and through cover side hole.



9. Locate sidelite door as close to header as possible (before the door attachment to header process) and pull excess wire through drilled holes, leaving the service wire loop in vertical door rail. (Reference DETAIL A.)
10. Mount sidelite onto frame.

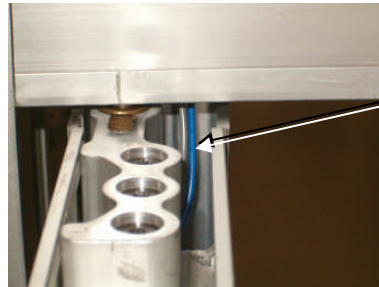


IMPORTANT:

After the installation process, be sure that you have allowed a minimum of 1/8" (3mm) clearance between top of sidelite and header to avoid pinching the wires.

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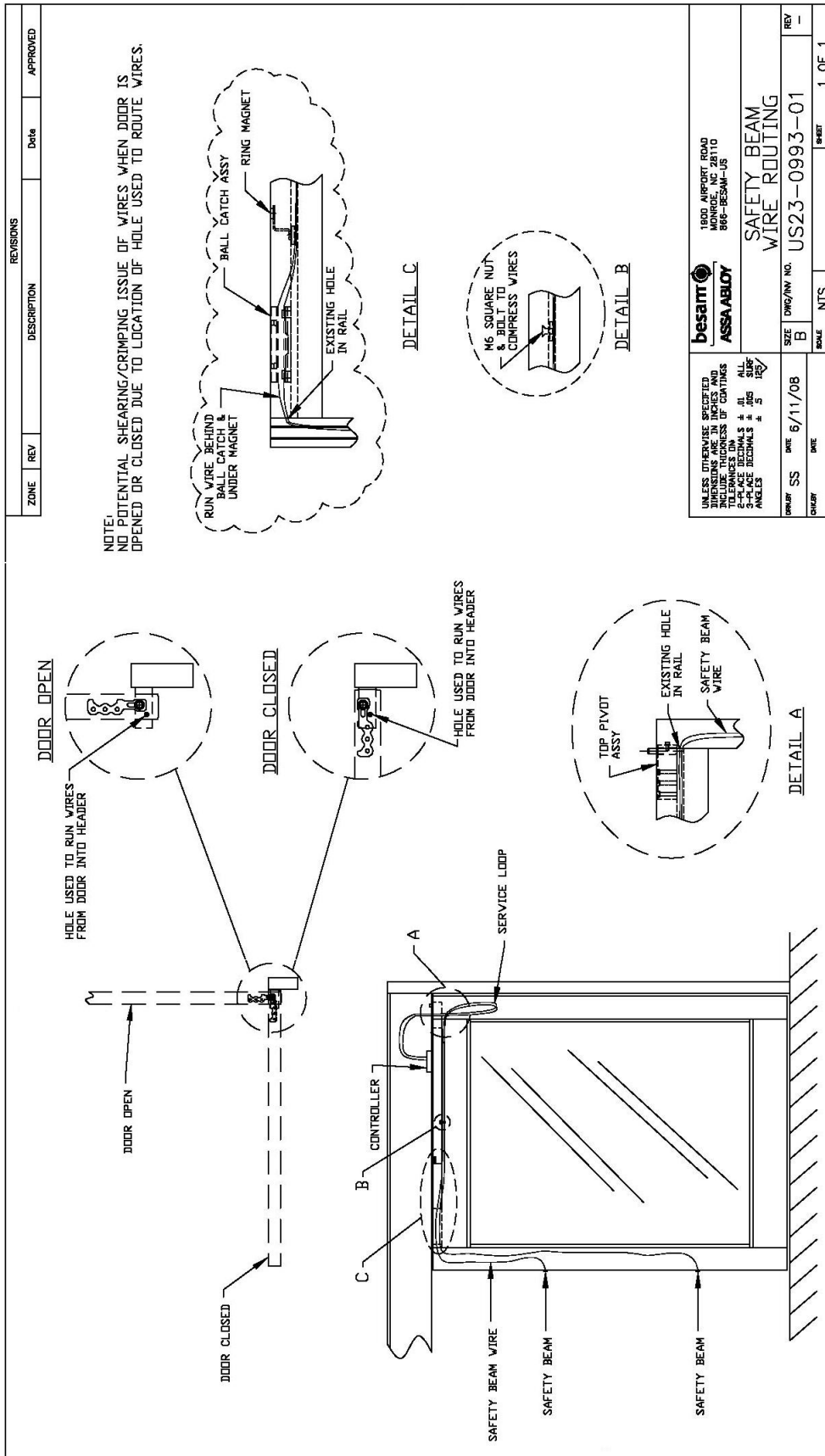
11. Once sidelite is installed, pull excess wire into header to eliminate crimping/snagging. (Leave service loop in vertical door rail.) (Reference DETAIL A.)
12. Connect wires to terminal block in controller. Use appropriate ties/clips to hold wires in header.



Service Loop

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(Illustration #4)

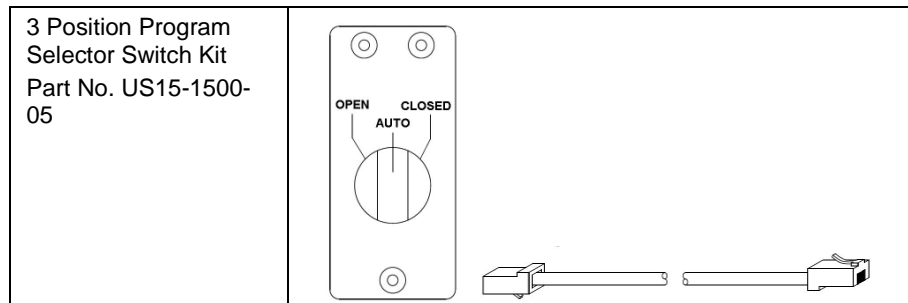


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3-Position Rotary Switch Retrofit Installation

It is important that this process be followed in the order in which it has been written. This process covers removal of the old 5-Position Switch (if so equipped), the Fabrication Process (if required) and lastly, the Installation Process of the new 3-Position Rotary Switch.

Below is the 3-Position Switch Kit parts table showing the parts and part numbers shipped with the kit, that are required to install the switch. Drawings for switch location and wiring are located at the end of this document.



Cover Switch Removal

If package is equipped with a cover mounted style of switch, proceed as follows. Switch may be disabled (unplugged) or removed and a filler plate (blanking plate 1000478) inserted in opening.

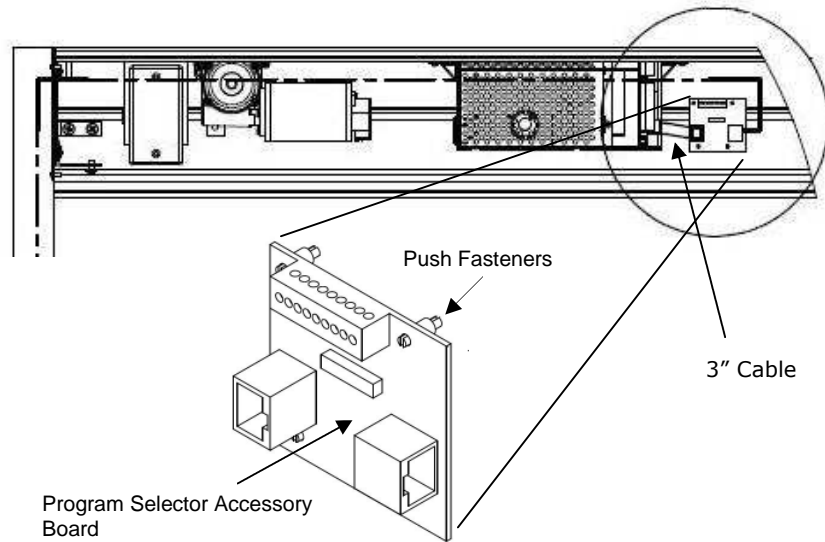
To remove the switch:

1. Remove the existing switch from the header cover by slightly bending the tabs on the switch cover and press outward on the assembly.
2. Remove the flat 8-conductor switch wire from the switch to the control box. (Save wire for re-installation later.)
3. Insert filler plate (Blanking Plate) into the switch opening in the cover.

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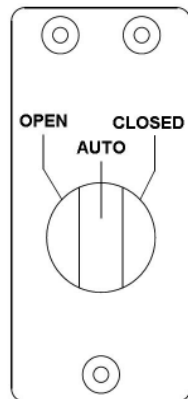
Installing the Program Selector Accessory Board Kit

1. Install Accessory Board (Kit US15-1500-01) to mounting plate inside header using the Push Fasteners already attached to board. (When mounting and connecting wires, ensure that the electrical connections do not ground out.)
2. Install 3" cable from Accessory Board to Controller as shown.



Note!

If any other type of jamb-mounted switch is currently installed on the door, other than a 3-Position switch, then install the new 3-position switch in the same location. (See dimensions below.)



US15-1500-05 3 Pos Switch Kit
(Contains Switch assembly, 8Ft cable and mounting screws.)

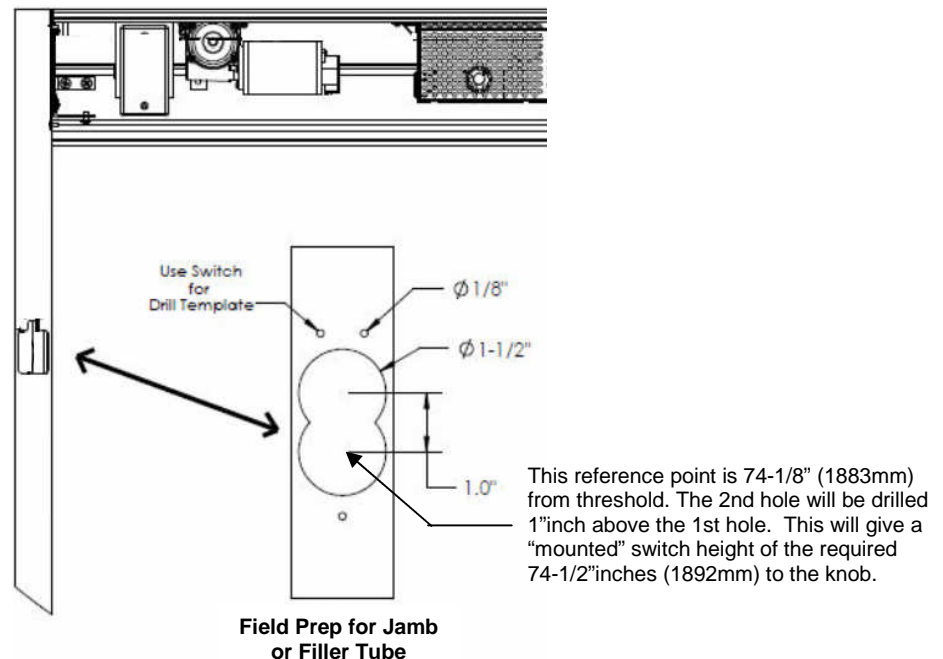
- If additional wire is required, order US15-1500-02 PS Extension Kit

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Fabricating Door Jamb for 3-Position Switch

If a jamb mounted switch is not currently installed and the switch is to be installed on interior side of door package on the jamb adjacent to the Cart Return Area. (Note: The switch is not installed in same jamb tube on each door. Doors on the left side of the Cart Return Area will have the switch mounted in the right jamb tube, while doors that are on the right side of the Cart Return Area will have the switch mounted in the left jamb tube.) Reference, illustrations 1, 2, 3 under Target Door Floor Plan.

1. Reference the drawing below and mark the designated jamb tube at 74-1/8" (1883mm), measuring vertically from the top of the threshold so that the line crosses the jamb centerline. (The centerline, for switch location, is created by placing a small reference mark in the center of the jamb tube.)
2. Then measure and mark a line 1" (25.4mm) above the 74-1/8" (1883mm) reference point location, as shown below.
3. Using a 1-1/2" (38mm) hole saw, create a hole at the 74-1/8" (1883mm) location as shown on the drawing below and then create a 2nd hole, 1" (25.4mm) above it as shown in the drawing below.
4. Use switch as a template and mark the location of the mounting holes. Drill three pilot 1/8" (3.175mm) holes for 3-Position Switch, mounting screws where marked.



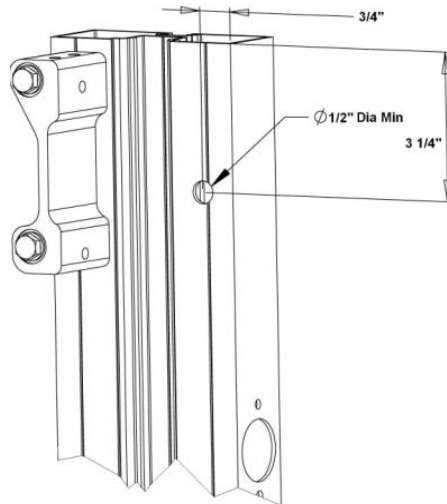
5. Run switch wiring (supplied with kit) for entryway A and C (Target Door Floor Plan, pages 8 and 9) using the access window in the jamb.

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NOTE!

If addition wire is needed, order US15-1500-02 PS Extension Kit. (It contains an 8 foot wire and one RJ45 coupler.)

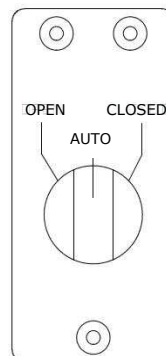
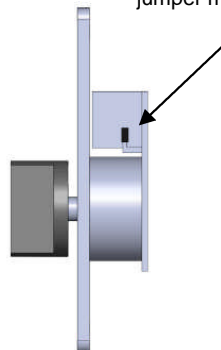
6. Open header cover at entryway B and D, (Target Door Floor Plan, reference pages 8 and 9) measure and mark according to drawing and drill wire access hole. Hole should be a minimum of 1/2" (13mm).



New 3-Position Knob Switch Installation

1. Remove main power from the Unislide Controller.
2. Place switch wire into the hole running wiring up into the header and towards PS Accessory Board and connect the wire as shown in wiring diagrams. (Supplied in US15-1500-05 3 Pos Switch Kit.)
3. Connect wire to switch and position switch on jamb and secure with (3) mounting screws. (Supplied in kit.)
4. Set the 3-Position Knob Switch in AUTO position.
5. To connect the switch to the PS Accessory Board, plug the 3 Pos Knob Switch cable in where shown. Reference the two drawings below. (Note: The exterior exit door will be wired "Exit Only" and the remaining doors will be wired for two-way traffic.)

Note: For Target functionality jumper must be in place



Target Functionality

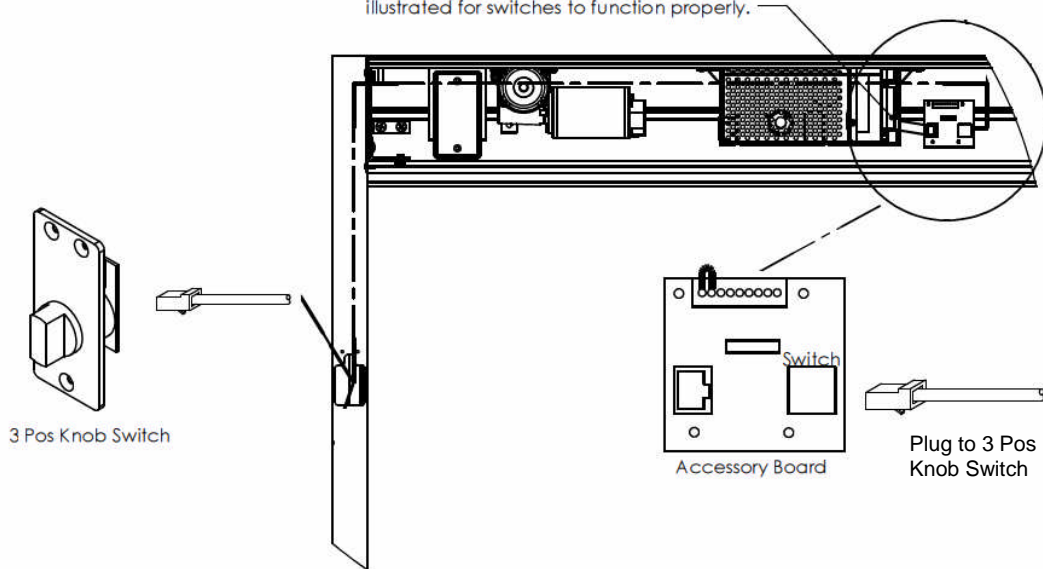
OPEN = Hold Open

AUTO = Exit Only

CLOSED = OFF

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Note: Switch Cable must not be plugged directly into controller or damage may occur. Accessory board must be used as illustrated for switches to function properly.



6. Discard the flat 8-conductor wire (removed earlier).
7. When all wiring is completed, return main power to Unislide control and perform all appropriate tests.

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