

TECHNICAL BULLETIN

1900 Airport Road ■ Monroe, NC 28110 ■ (704) 290-5520

**New 3-Position Rotary Switch
Retrofit Installation for Target**

In an effort to satisfy Target’s special requirements, a new 3-Position Rotary Switch has been designed.

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, the Fabrication Process and lastly, the Installation Process of the new 3-Position Rotary Switch.

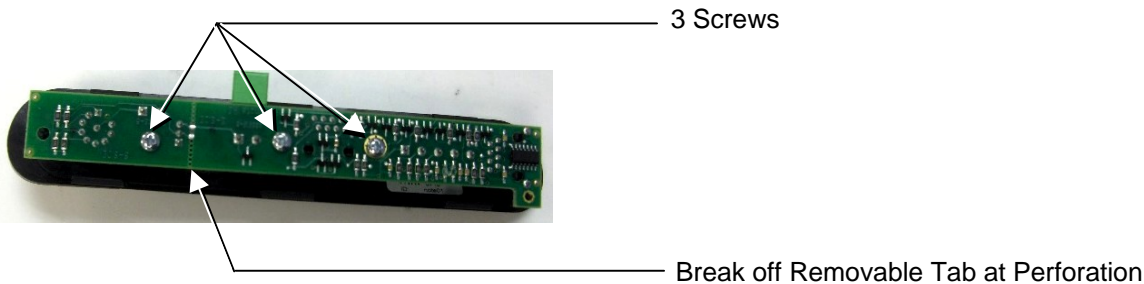
Below is the *3-Position Switch Kit* parts table showing the parts and part numbers shipped with the kit, that are required to install the switch. Drawings for switch location and wiring are located at the end of this document.

3-Position Switch Kit (Kit#US15-0898-02)

Part Number	No. of Parts	Part Name
US15-0898-01	1	3-Position Rotary Switch (assembled)
US21-0515-01	2	Nylon Spacer (8mm OD x 6mm)
70-09-104	2	Screw (M3 x 12mm Slotted Cheese Head)
331000478	1	Fill Piece Cover Slot 5-Position Switch

Cover Switch Removal

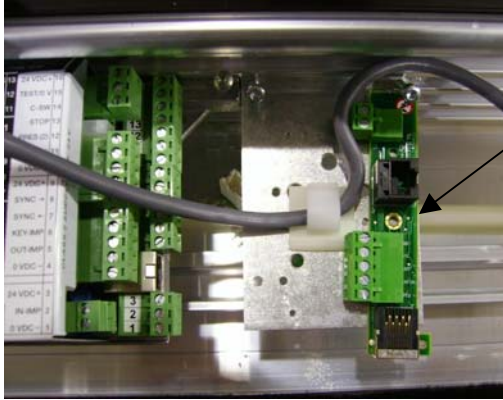
1. Remove the existing switch from the header cover by slightly bending the tabs on the switch cover and press outward on the assembly.
2. Remove 3 screws from the switch plate assembly and discard plastic cover. Remove the rotary switch section by snapping it off at the perforations. (The rotary portion will not be used.)



3. Insert blanking plate into the switch opening in the cover.
4. Remove the flat 8-conductor switch wire from the switch to the control box. (Save wire for re-installation later.)

Jamb Switch Fabrication Process

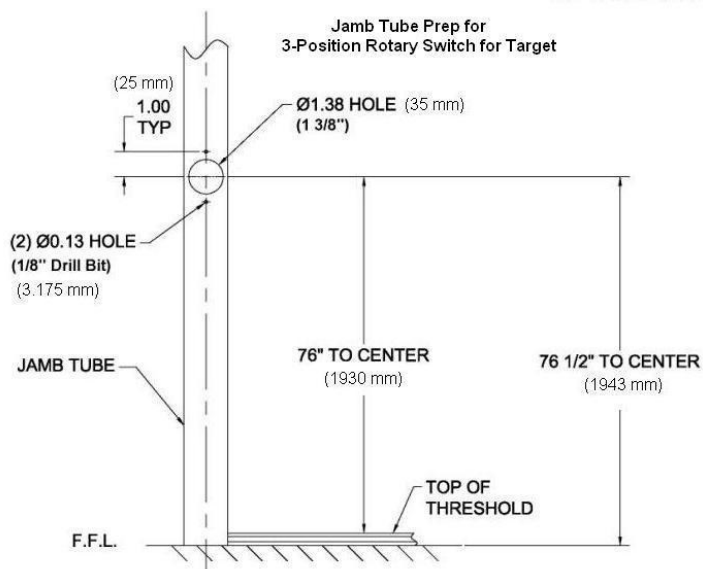
1. Install switch circuit board on aluminum mounting plate inside header using the screws and standoffs supplied in the kit. (If there are no screws and standoffs, insulate board from the mounting plate using foam tape and attach board to mounting plate by using two plastic wire ties, crisscrossed. It is important that the electrical connections do not ground out on the mounting plate.)



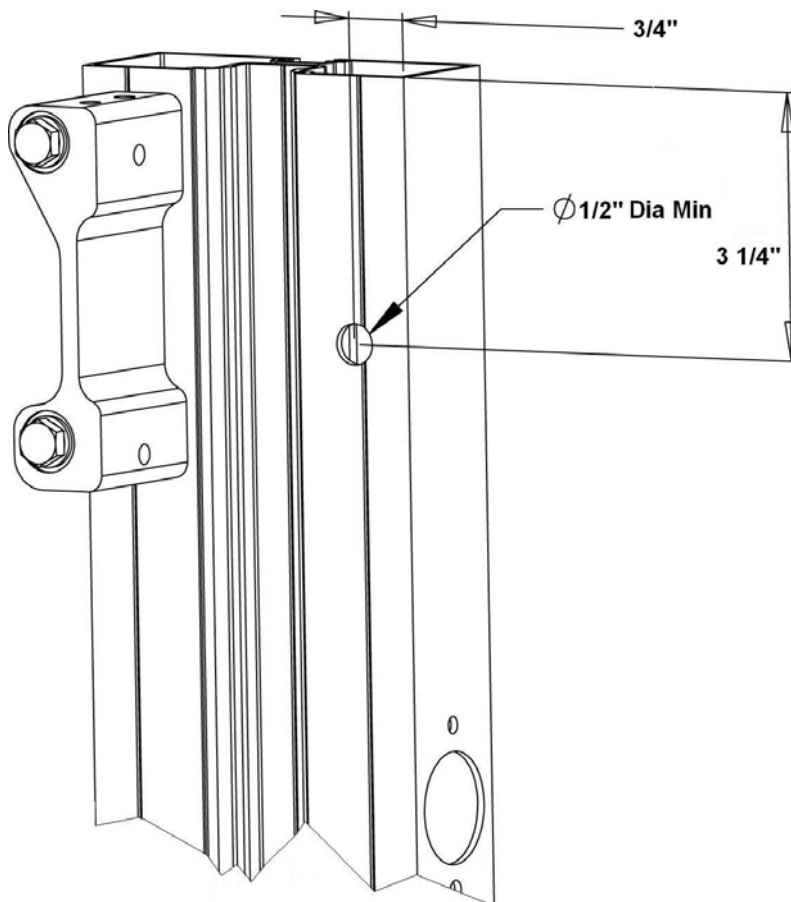
Attach Switch Circuit Board to This Mounting Plate

Note: If a jamb-mounted switch (PSMB-5) is currently installed on the door, then install the new 3-position switch in the same location. If a jamb mounted switch is not currently installed the switch is to be installed on interior side of door package on the jamb adjacent to the Cart Return Area. 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 *Target Door Floor Plan* drawing at the end of this document.

2. Using the drawing below for reference purposes, mark the designated jamb tube at 76" (1930mm), 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.) Measure 1" (25.4mm) above and below the 76" (1930mm) reference mark and place a mark above and below for the switch mounting screw installation points.
3. Using a 1-3/8" (35mm) hole saw, create a hole at the 76" (1930mm) intersecting marks.
4. Drill two pilot 1/8" (3mm) holes for 3-Position Switch mounting screws.



5. Run switch wiring for entryway **A** and **C** (Target Door Floor Plan) using the existing wire access window in the jamb. (Drawing found on last page.)
6. Open header cover at entryway **B** and **D**, (Target Door Floor Plan) measure and mark according to drawing and drill wire access hole. Hole should be a minimum of $\frac{1}{2}$ " (13mm). (Drawing found on last page.)

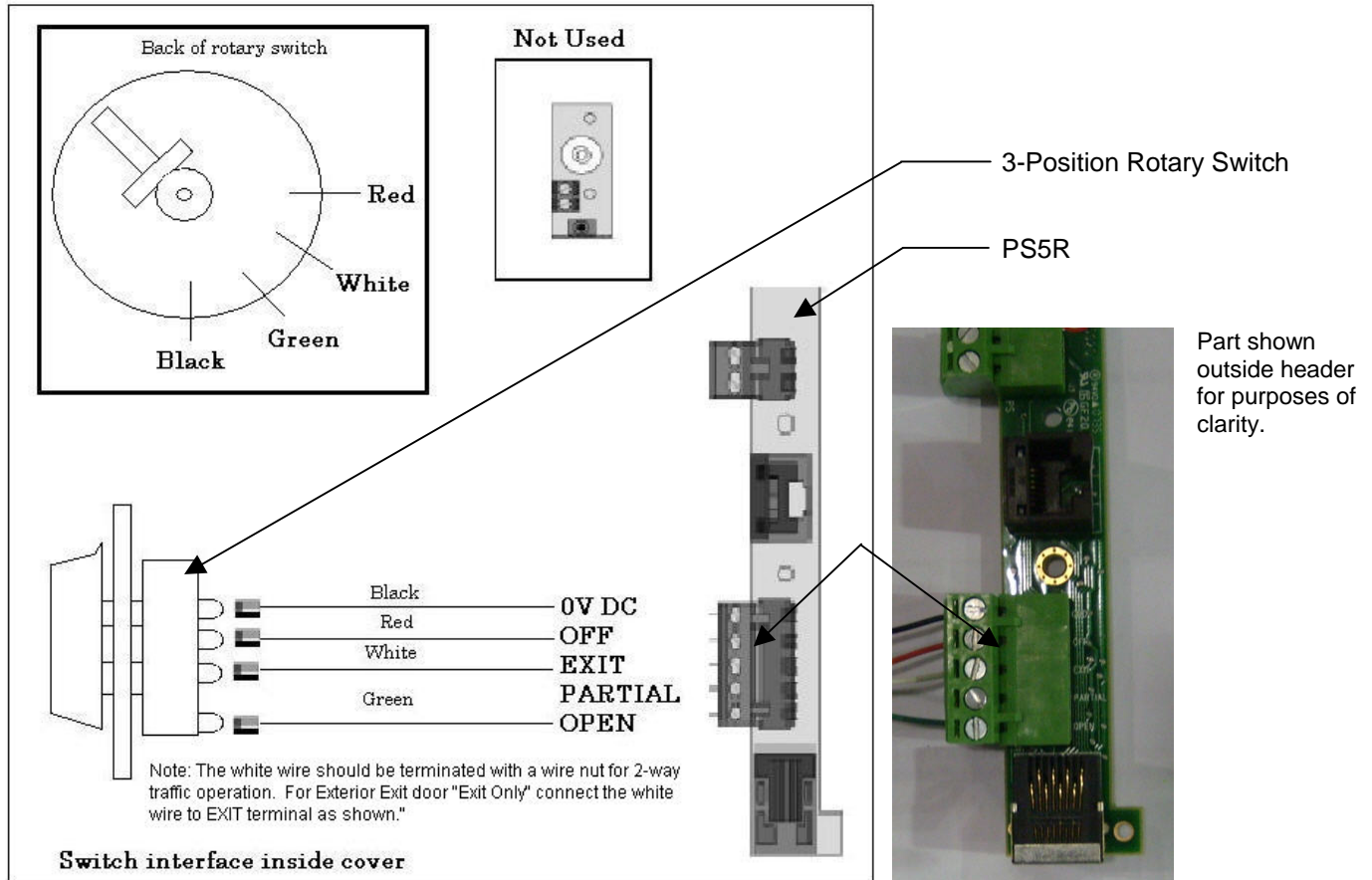


New Switch Installation

1. Place switch wire into the hole running wiring up into the header and towards the door control and connect the wire to the switch following wiring diagrams. (Supplied in US15-0898-01 kit.)
2. Position switch on jamb and secure with (2) mounting screws. (Supplied in US15-0898-01 kit.)

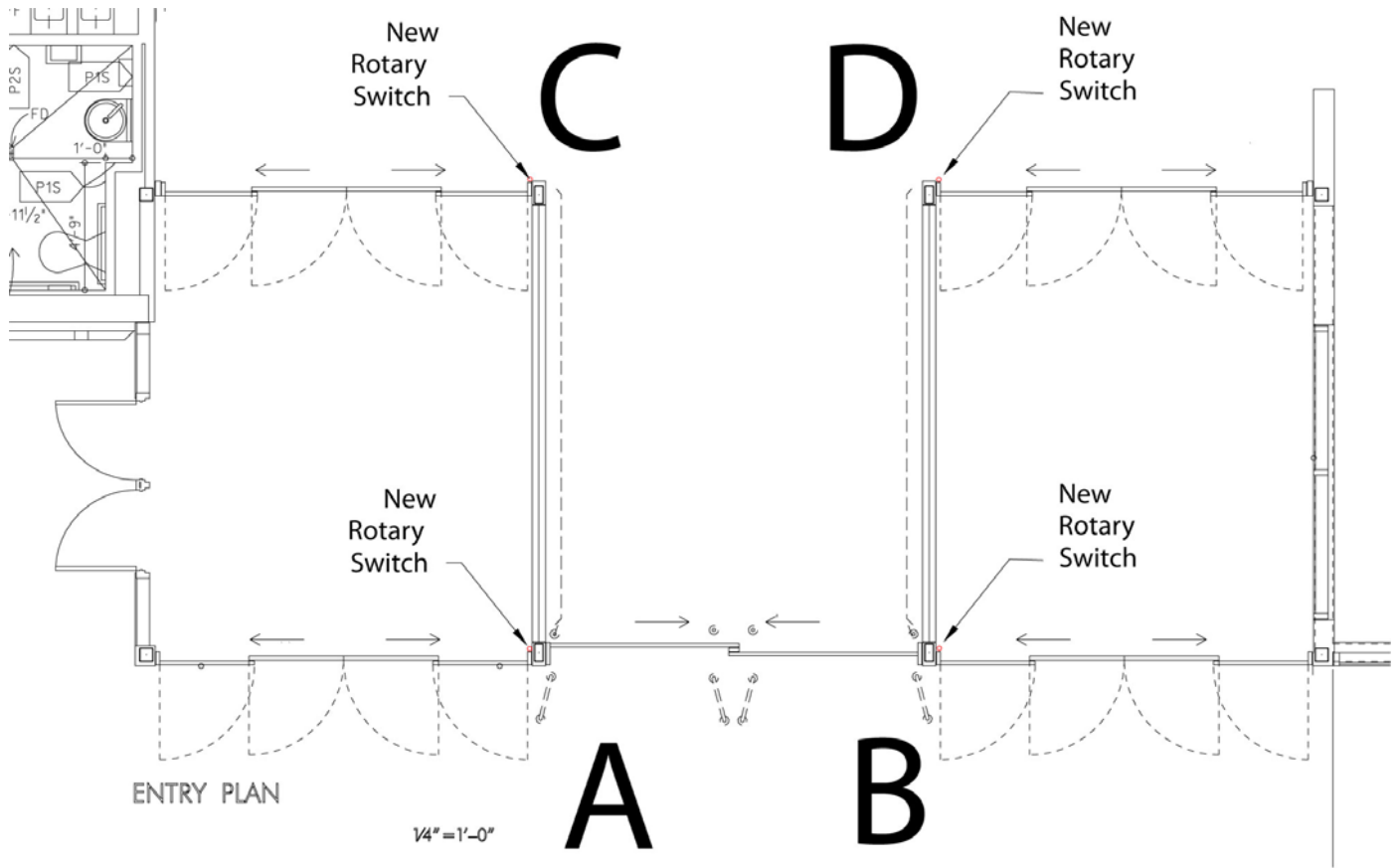


3. Remove main power from the Unislide control.
4. Set the 3-Position Switch in 2-way traffic position. Reference electrical drawing at end of this bulletin.
5. To wire the switch to PS5R, strip the insulation on the wires 1/16" (1.6 mm) and wire according to the illustration. (Note: The exterior exit door will be wired "Exit Only" and the remaining doors will be wired for two-way traffic.)



6. Wind up the flat 8-conductor wire (removed earlier) in a compact package and secure it to the same bracket as the PS5R. Remember to leave enough wire to connect to the Unislide control unit and the PS5R.
7. When all wiring is completed, return main power to Unislide control and perform all appropriate tests.

Target Door Floor Plan



Technical Services Department

July 30, 2008