

# Instructions For Installation, Operating and Maintenance

## Screen-Master® Insect Control Barrier Model SC 100 / Under Lintel

Keep this document in a safe place for future reference.





## **I. Receiving and Handling**

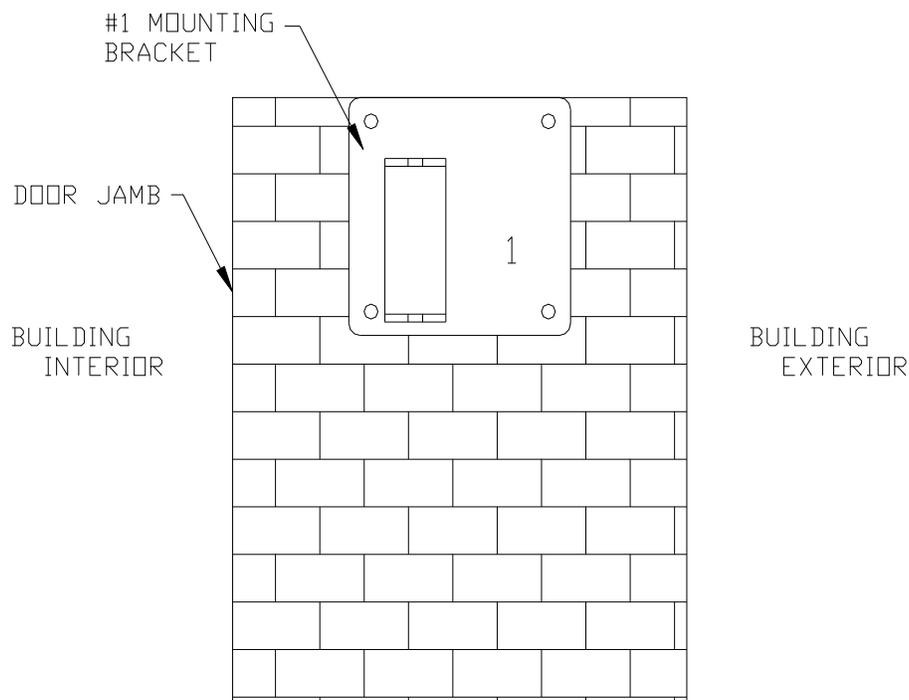
1. Upon receipt of the Hörmann Flexon LLC roll up screen, unpackage and inspect contents for shipping damage or missing hardware and if necessary prepare claims against the freight carrier for any damage discovered.

### **Important Note:**

Any damage to the crate or packaging material should be noted on the shipping paperwork. Exterior damage may indicate concealed damage. This notation will preserve your rights should a freight claim be necessary.

## **II. Hardware Mounting Instructions**

2. Locate the track assembly with the roller mounting bracket punched with #1. This is the bracket for the motor end of the tube. This bracket must be installed on the left side jamb as the door is viewed from the inside.
3. Mount the #1 mounting bracket at the top of the jamb, centered on the door jamb as shown in figure #1. Self tapping #10 x 3/4" screws are provided for fastening to a steel jamb. Pre-drill all fastening points with a #22 bit. If fastening to a wooden jamb, round or oval head #10 x 3/4" wood screws are recommended (Supplied by others).



**FIGURE "1"**

4. Locate the mounting bracket punched with #2. This is the bracket for the neutral end of the tube. This bracket must be installed on the right side jamb as the door is viewed from the inside.
5. Mount the #2 mounting bracket at the top of the jamb, centered on the door jamb as shown in Figure #2.

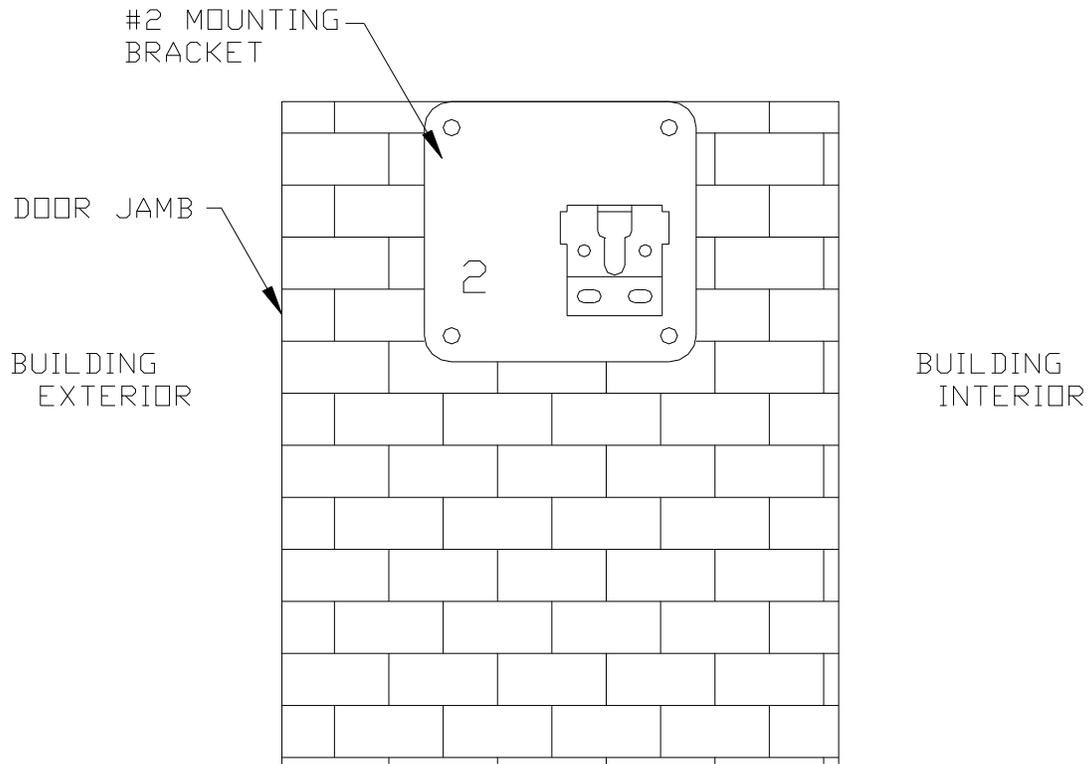


FIGURE "2"

**Important Note:**

In order for the door to operate correctly, the mounting brackets must be diametrically opposed.

- Position the left side guide track on the door jamb so the back of the guide track is up against the back of the #1 mounting bracket (See Figure 3). Make sure the track is plumb (Use the extra washers provided as shims behind the mounting points as needed). Drill pilot holes into the door jamb through the pre-punched holes in the guide tracks with a #22 bit (or 5/32"). Use the #10 x 3/4" long tapping screws provided to fasten the tracks to the jamb. It is important to use the flat washers provided behind the heads of all the mounting screws in order to hold the plastic guide material in place.

**Important Note:**

The track mounting screws must be installed even if the tracks are welded up or else the plastic guide material may not stay in place. Failure to do so will void your warranty.

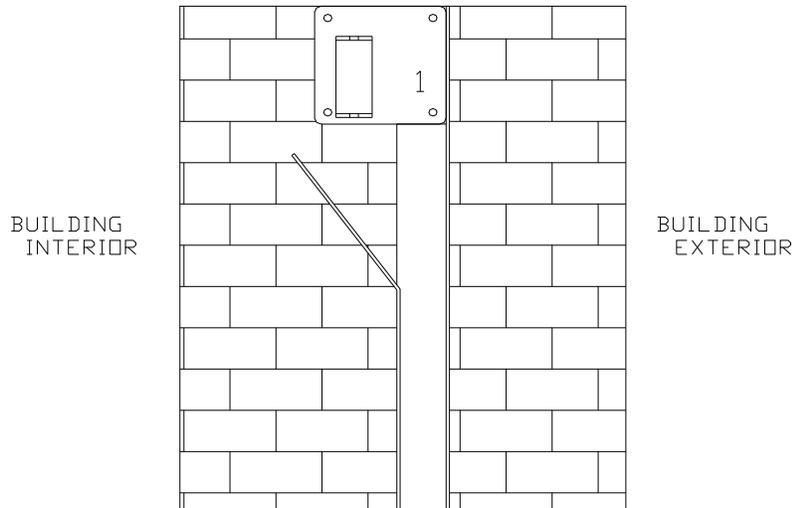


FIGURE "3"

- Mount the header screen in the header with the aluminum clamp strip such that it just makes contact with the roll when the screen is in the closed position. **NOTE:** The logo should face the building exterior and the curtain should hang over the roll outside the building. See Figure #4 for exact location of the mounting strip.

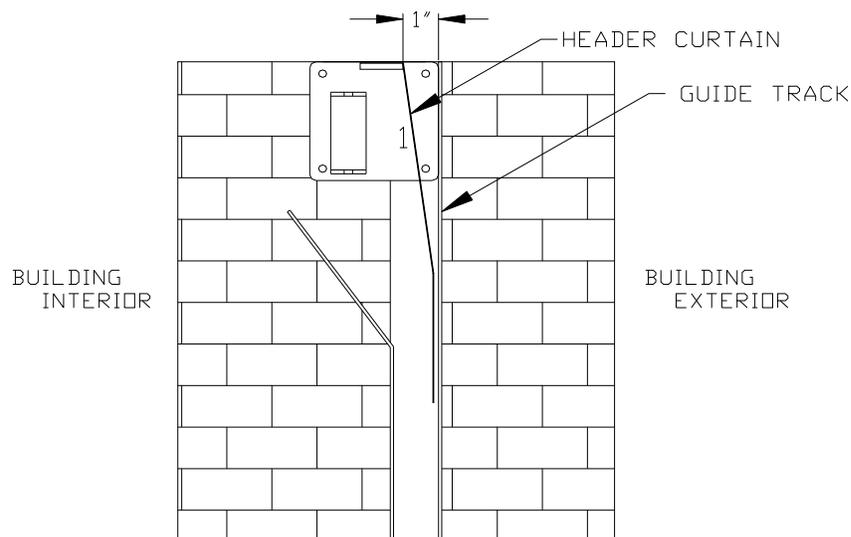


FIGURE "4"

### III. Insect Screen Roll Mounting Instructions

8. The motor end of the tube mounts on the left side of the opening.
9. Hold the neutral end of the tube approximately twelve inches below its mounting bracket. With the limit switch knobs facing the building interior, fit the round nylon spacer onto the lower pin of the motor. Insert the lower pin into the motor bracket as shown in Figure #5 below.

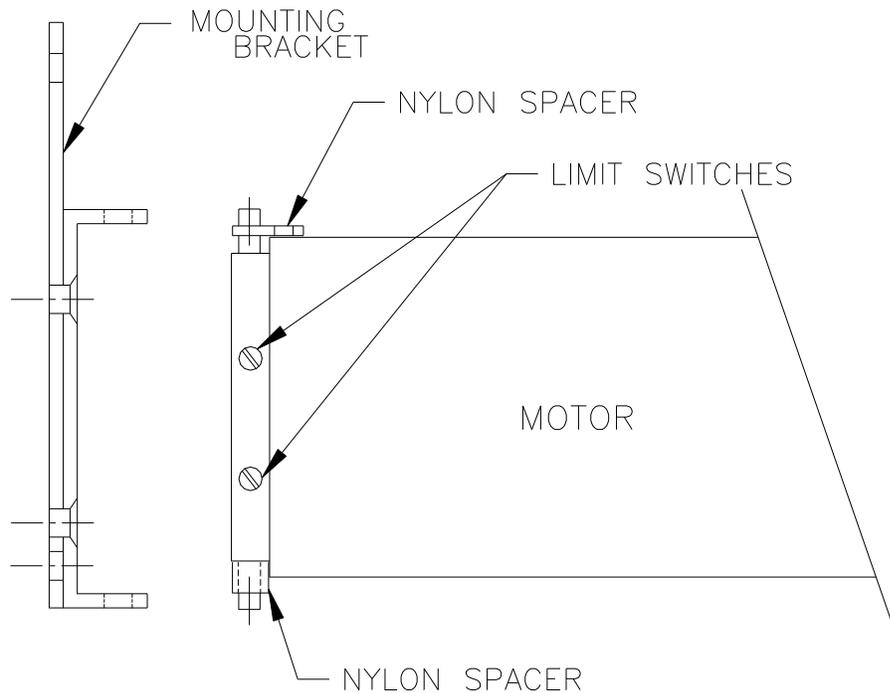


FIGURE "5"

10. Insert the upper pin of the motor into the notch in the motor bracket.
11. Next, install the neutral end of the roll tube by sliding the neutral end pin down into the mounting bracket on the right side of the doorway opening. Find the 3" cotter pin supplied and insert it into the neutral end bracket in order to secure the tube assembly.
12. Install the nylon clip onto the upper pin of the motor (See Figure "5").
13. Mount the control station approximately four (4) feet above the floor.

**IV. Wiring Instructions**

14. After installing the motor/roller assembly make sure that the 2" piece of flexible conduit which is installed over the motor cable is firmly against the motor assembly and held in place with the wire tie supplied. Securely fasten the cord into the corner of the jamb. See Figure "6".

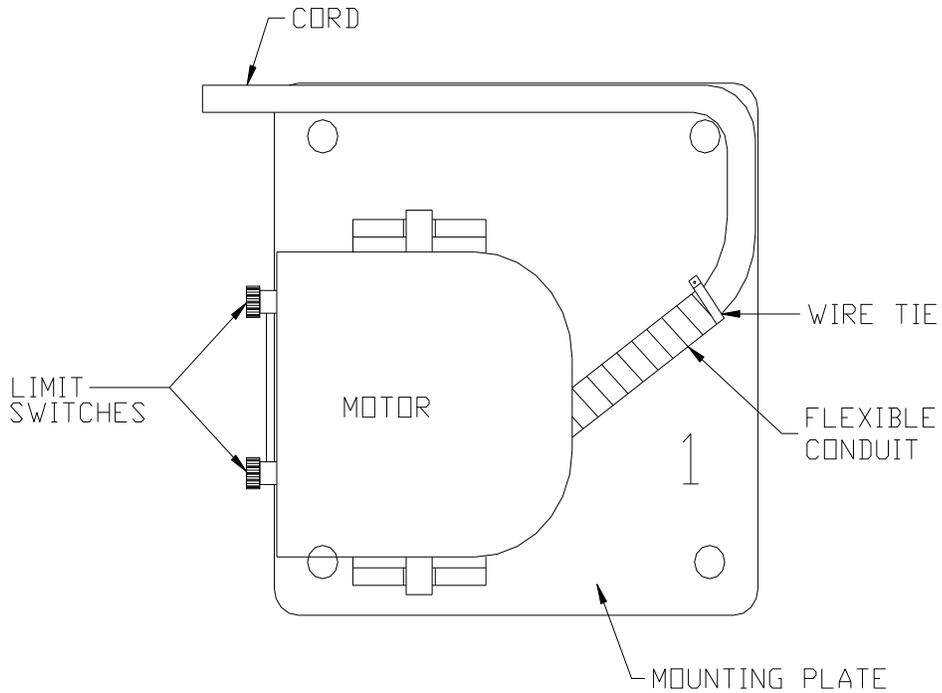


FIGURE "6"

15. Wire the motor and incoming 120 VAC +/- 5% line to the control station as per Figure #7 below. **The control station must be mounted into an appropriate electrical box.**

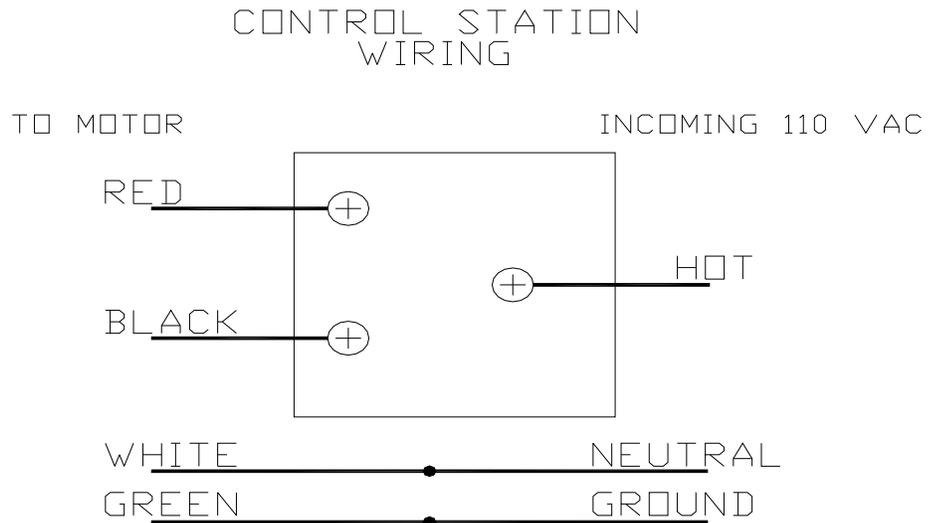


FIGURE "7"

## V. Setting the Limit Switches

16. Identify the limit switch adjusting screws (1) corresponding to up and down directions. See Figure #8 below. The arrow on the limit switch refers to the direction of rotation of the roller tube. The top knob controls the bottom limit switch and the bottom knob controls the top limit switch.

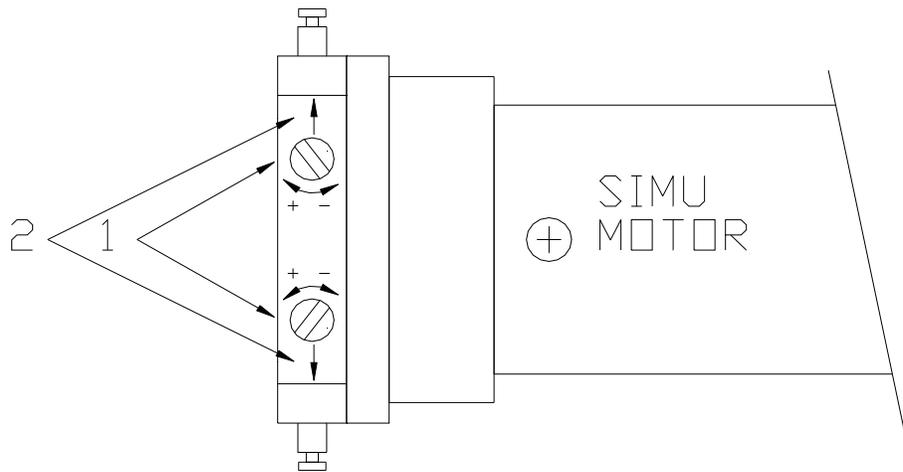


FIGURE "8"

17. The limit switch position is adjusted by turning the screw in clockwise direction to increase the run and in a counter-clockwise direction to reduce the run of the curtain.

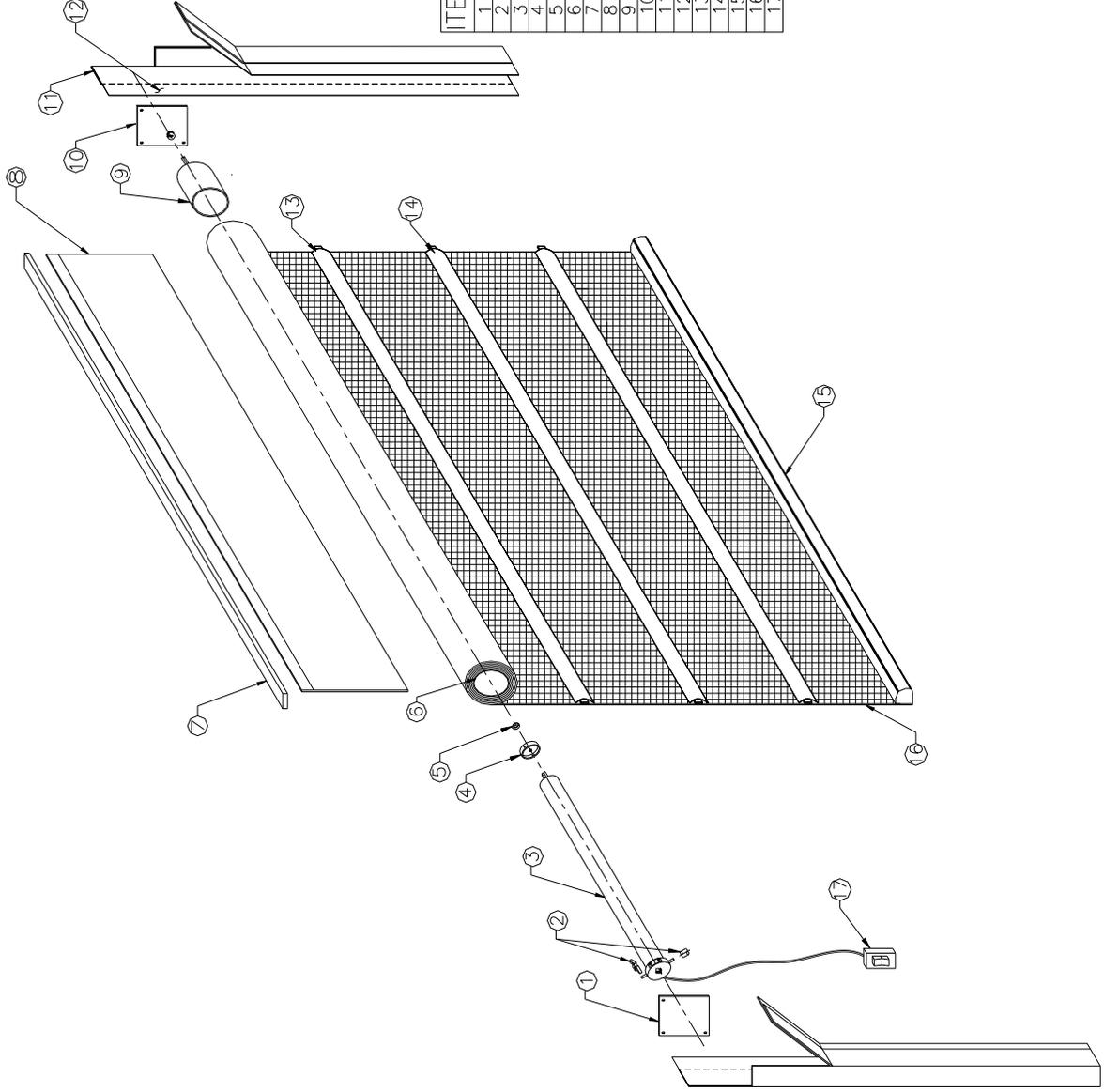
18. To set a limit position, run the screen in the desired direction:

- If it stops by itself before the required position is reached, turn the appropriate adjusting limit screw clockwise. Five turns of the screw will move the limit position by approximately 3 inches.
- If it does not stop by itself before the desired position, stop the operator using the control switch, and turn the appropriate adjusting screw in a counter-clockwise direction until a **slight clicking noise is heard**; from 10 to 50 turns may be necessary.

Check that the curtain stops before reaching the desired position and refer to paragraph (a) for exact setting.

### **NOTE:**

**TO REDUCE RUN, IT IS ALWAYS NECESSARY TO MOVE THE CURTAIN AWAY FROM THE DESIRED POSITION AND APPROACH IN THE DIRECTION OF INCREASING RUN.**



ITEM	PART #	DESCRIPTION
1	INSECT-MOTOR-UL-001	MOTOR MOUNTING BRACKET
2	INSECT-MOTOR-UL-002	MOTOR RETAINING CLIPS
3	INSECT-MOTOR-UL-003	RM 9/1730 TUBULAR MOTOR
4	INSECT-MOTOR-UL-004	CROWN INSERT ROUND ADAPTER
5	INSECT-MOTOR-UL-005	RETAINING CLIP
6	INSECT-MOTOR-UL-006	2" GALVANIZED TUBE
7	INSECT-MOTOR-UL-007	ALUMINUM MOUNTING STRIP
8	INSECT-MOTOR-UL-008	GATEWAY LOGO
9	INSECT-MOTOR-UL-009	IDLER INSERT
10	INSECT-MOTOR-UL-010	NON-DRIVE MOUNTING BRACKET
11	INSECT-MOTOR-UL-011	GUIDE TRACK
12	INSECT-MOTOR-UL-012	PVC GUIDE INSERT
13	INSECT-MOTOR-UL-013	WIND BARS
14	INSECT-MOTOR-UL-014	WIND BAR POCKET
15	INSECT-MOTOR-UL-015	FOAM PAD
16	INSECT-MOTOR-UL-016	INSECT SCREEN
17	INSECT-MOTOR-UL-017	PUSH BUTTON SWITCH

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