

www.hormann-flexon.com

**Instructions For
Installation, Operating and Maintenance**

**Screen-Master® Insect Control Barrier
Model SC 800 / Overhead Door Stand-Off
Metal Sides**

Keep this document in a safe place for future reference.

ICB SC 800 - OHD / 9.30.2010



INSTALLATION INSTRUCTIONS

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 Guide Track Mounting Instructions

Important Note:

The tracks and tube assembly must be layed out on the floor in order to ensure a problem free installation !

2. Locate the track assembly with the roller mounting bracket punched with #1. Lay it on the floor with the orange PVC track insert profile pointing to the right.
3. Locate the track assembly with the roller mounting bracket punched with #2. Lay it on the floor with the orange PVC track insert profile pointing to the left.
4. Take the roll assembly and install the motor end into the mounting bracket punched with #1. Install the round pin on the neutral end of the roller into the mounting bracket punched with #2. (See page 3 for instructions on installing tube assembly).
5. Ensure that there is approximately 1/16" between each mounting bracket and the tube assembly. Also ensure that the tracks are parallel.
6. Measure the out-to-out dimension of the mounting brackets as shown in Figure 1. This is the distance apart the mounting brackets should be when installing track assemblies.

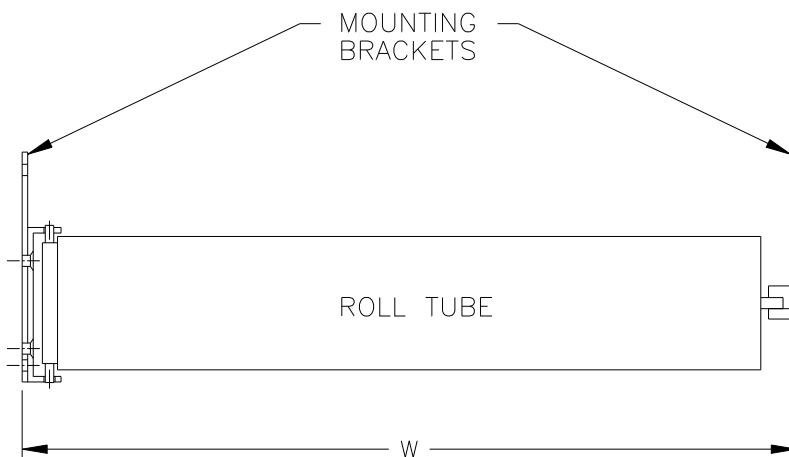


FIGURE "1"

7. Position the track assemblies so that the 10 guage sheet metal sides extend back to the wall. Be sure that the tracks are centered over the doorway width and the out-to-out measurement of the roller mounting brackets is the same as measured in step 6. Fasten the 2"x2" angles to the wall with proper fasteners. The tracks should be parallel and the tops of the mounting brackets should be level with one another. See Figure "2".

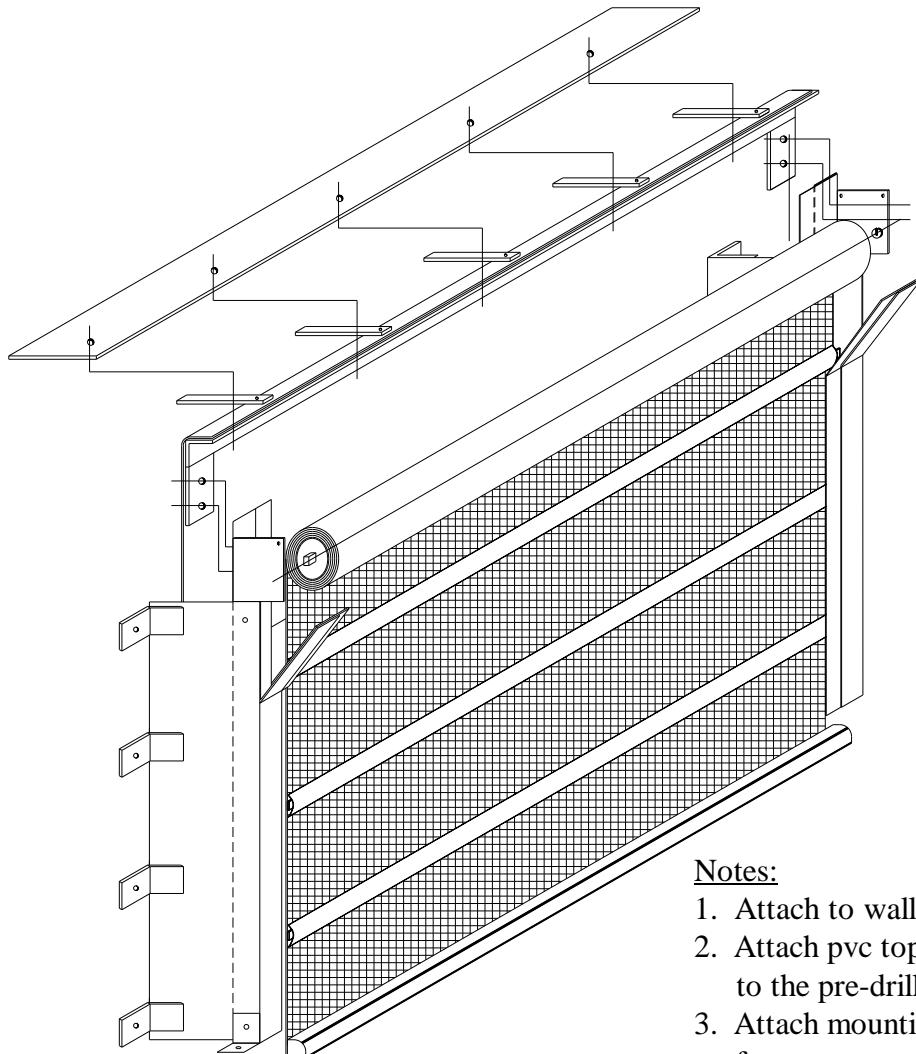


FIGURE "2"

Notes:

1. Attach to wall by bolting through angle clips.
2. Attach pvc top using fiberglass stays for support to the pre-drilled angle.
3. Attach mounting clips to floor with proper fasteners.

III Installation of Horizontal Top Section

8. The horizontal top section consists of a 2"x2"x1/4" angle, head curtain, fiberglass stays and 1/8" thick pvc. (Note: Only use the fiberglass stays if support is needed under the pvc). The top angle is pre-drilled. Make sure that the horizontal leg of the leg faces the tube assembly.
9. Install the top angle to the track assemblies first. Clamp the mounting tabs (on the angle) to the back of the track assemblies with the horizontal leg of the angle facing the building interior and against the tops of the track assemblies.
Drill through the back of the mounting tabs and through the back of the tracks with a 5/16" drill bit. Use the 1/4"-20 x 1" long machine screws provided to secure the angle to the track assemblies. The round head of the machine screw must be inside the track assembly.
- 10.The head curtain attaches to the top of the horizontal angle and hangs over the backs of the tracks with the logo facing the building exterior. The stays fit over the head curtain (if needed) and the pvc material is on top and points out over the back of the tracks.
Fasten all the above items through the pre-drilled holes in the horizontal angle using the 1/4"-20 x 1" long machine screws and nylon lock nuts provided. (See Figure "2").
Trim the pvc and stays to fit around the overhead dock door as needed. The pvc should be trimmed as close as possible to the dock door for a proper seal.

IV Insect Screen Roll Mounting Instructions

11. The motor end of the tube mounts on the left side of the opening.
12. 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 "3" below.

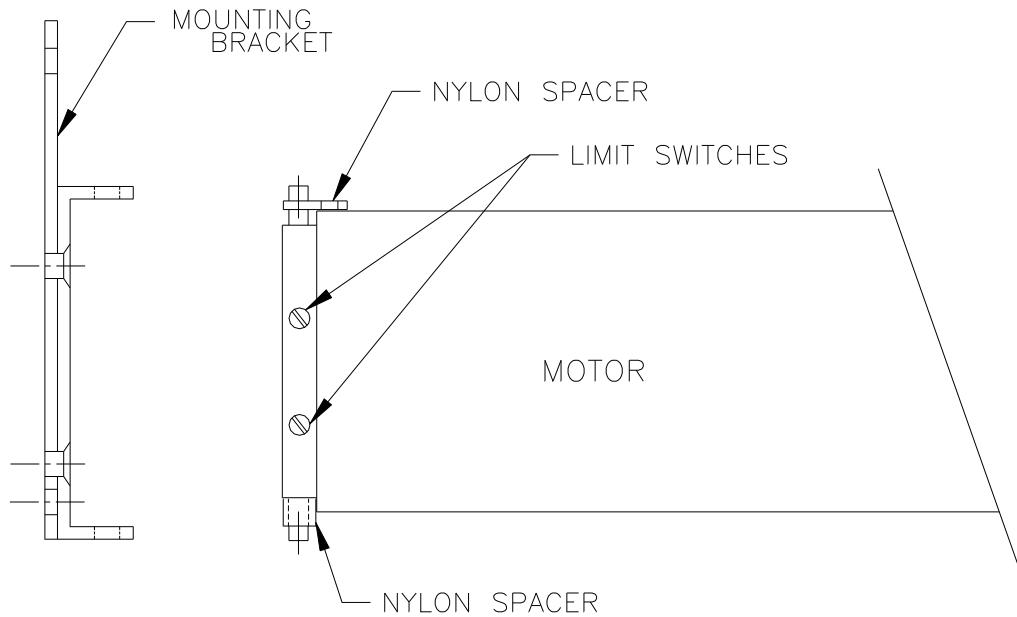


FIGURE "3"

13. Insert the upper pin of the motor into the notch in the motor bracket.
14. Next, install the neutral end of the roll tube by installing the neutral pin down into the mounting bracket on the right side of the doorway opening.
15. Install the nylon clip onto the upper pin of the motor (See Figure "3").
16. Mount the control station approximately four (4) feet above the floor.

V Wiring Instructions

17. After installing the motor/roller assembly make sure that the 2" piece of flexible conduit is attached firmly against the motor assembly and held in place with the wire tie supplied. Securely fasten the cord onto the motor mounting bracket. See Figure "4".

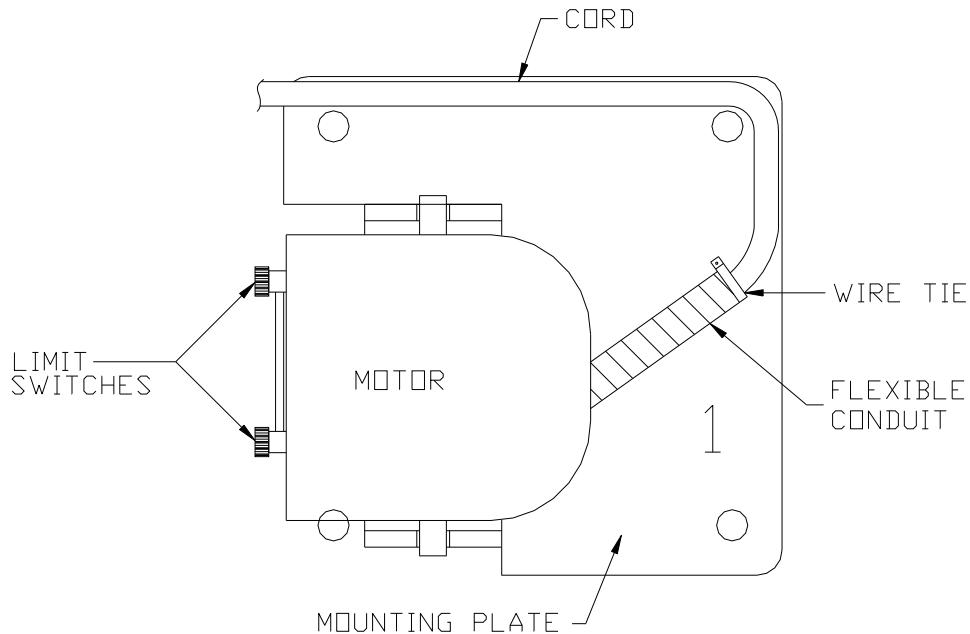


FIGURE "4"

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

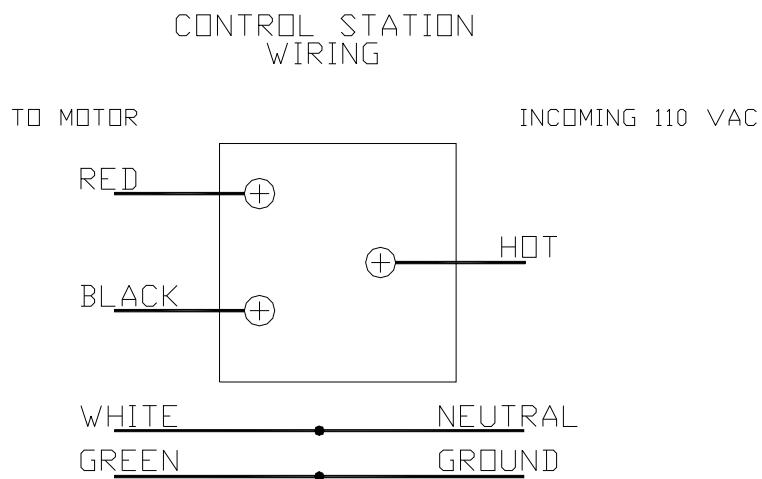


FIGURE "5"

VI Setting the Limits (P-Progressive Type)

1. Identify the limit switch adjusting screws (1) corresponding to the up and down directions. The arrow (2) on the limit switch refers to the direction of rotation of the roller tube. In other words, the top knob controls the bottom limit switch and the bottom knob controls the top limit switch.
2. The limit switch position is adjusted by turning the screw in a clockwise direction to increase the run and in a counter-clockwise direction to reduce the run of the curtain.
3. To set a limit position run the screen in the desired direction:
 - a. 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.
 - b. 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.

Now 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.

FIGURE “6”



Everything you've wanted in a high performance door, and more.



German Engineered, American Made

Our promise to you.

As one of the world's leading manufacturers of doors, we're committed to providing the best quality, value, and selection. Whether, industrial or commercial, whether it's a high performance door or loading dock equipment,

we have the door or dock product you're looking for. The Hörmann Flexon product line gives you the ability to accommodate any door or dock application with the right product from one manufacturer.



Hörmann Flexon LLC, Leetsdale, PA
Headquarters and Manufacturing Plant



High Performance Doors and Dock Equipment

For assistance call 1-800-365-3667

Environmental commitment has been part of our corporate culture for decades, from our manufacturing processes to the products we make.

In everything we do, we strive to minimize energy and resource use, through efficient processes, long-lasting quality and innovative engineering.

