



Shaver Industries

20 Steckle Place, Kitchener, ON N2E 2C3
Ph 1(888) 766 8328
www.shaverinc.com

Assembly Instructions Motorized Vertical Vinyl Curtain

Unpacking and Inspection:

Please unpack your systems carefully and notify the factory immediately if there are any shortages or if any items have been damaged during transit. Your kit(s) should have all of the necessary hardware and components for a complete installation with the following exceptions (installer-provided hardware):

1. Hardware and conduit associated with the professional electrical installation of the 115VAC source power.

Electrical Connections:

The electrical connections to the in-tube motor should be made in a manner that conforms to all local and national electrical codes. The use of a licensed electrical professional is strongly recommended.

The roll tube motor is controlled by a single “maintained” center-off toggle switch. Only one switch can be used per motor, and wiring multiple switches in parallel or series will **NOT** allow for the proper operation of the motor.

Refer to the following diagram (Diagram 1) for the appropriate AC Power wiring diagram for you motor:

ONE MOTOR / SINGLE POLE SWITCH

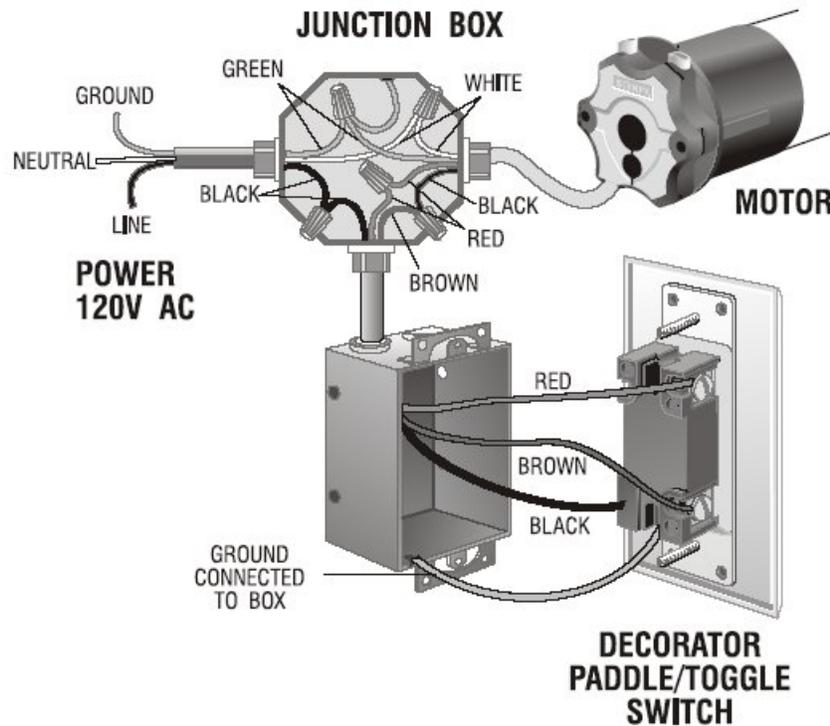


Diagram #1
(AC Wiring Connections)

NOTE: Your switch may not exactly represent the unit depicted in the above diagram. If not, connect the **BLACK (AC Power HOT)** to the **BLACK** screw of the switch. Connect the **BROWN (Motor Direction #1)** to one of the brass-tone screws, and connect the **RED (Motor Direction #2)** to the remaining brass-tone screw.

Setup and Operation:

After the power wiring has been installed (and power has been enabled to the unit) it will be necessary to check/modify the direction of motor rotation and set the curtain end-stop positions. Care should be exercised during these operations to avoid damage to the assembly and ensure a long service life of the unit.

Check/Modify Motor Rotation:

To check the direction of motor rotation it is necessary to completely disable the end-stop limit switches for the motorized roll. To do this, first make sure the toggle switch is in the center (STOP) position. Note the location of the Open and Close buttons as shown in the

following photo (Photo 1) (**NOTE: The limit buttons on the motors may be flush with the motor body. It may be necessary to use a pencil, screwdriver, or other object to depress them**):

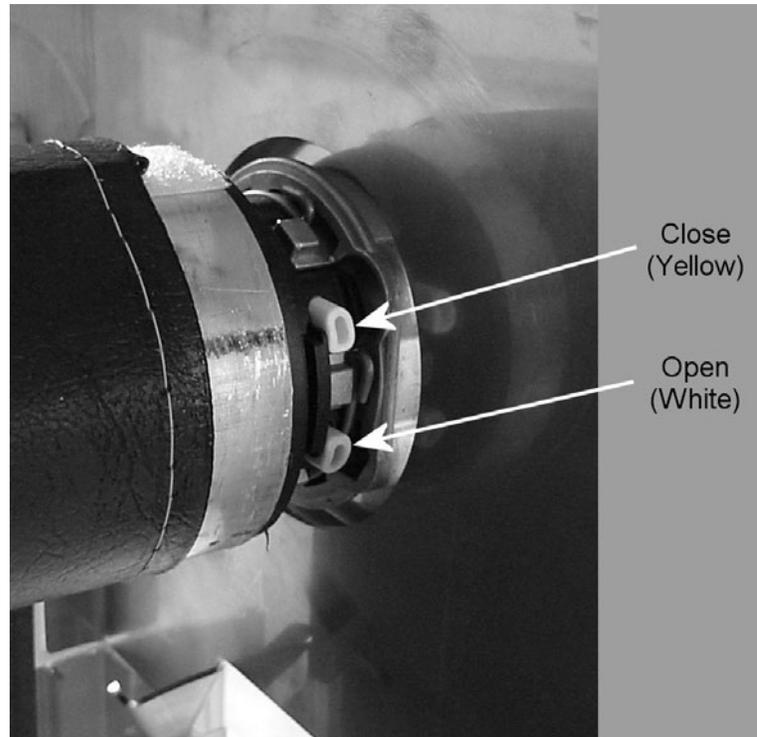


Photo #1
(Limit Switch Buttons)

To disable the limits, press each button firmly. The buttons should detent into a “depressed” position. It is wise to repeat this operation a few times to guarantee that the buttons have locked into the depressed position.

Index the toggle switch to the “Close” (DOWN) position and observe the direction of the curtain movement. Center (STOP) the toggle switch as soon as this has been determined. If the “Close” direction is correct and corresponds to the “unwrapping” of the curtain then proceed to the next section (Setting End Stop Positions). If not, the direction control wiring must be reversed. This can most readily be accomplished by reversing the direction connections at the screw terminals of the toggle switch. With power removed, disconnect the Brown (Motor Direction #1) and Red (Motor Direction #2) connections from the screw terminals and reverse the connections. After the change has been made, enable the power and verify the proper directional operation of the curtain.

Setting End Stop Positions:

Once the direction control of the motorized roll has been verified it is necessary to set the end stop positions for the curtain. This is a two-step operation and either end stop can be

modified at any time without upsetting the other position. To set the “Full Down” (Closed) position index the toggle switch to the “Close” position and monitor the position of the curtain. Index the toggle switch to “Stop” as soon as the weighted bottom seal of the curtain comes within a few inches of the floor. This exact position can be adjusted by using the “Open”, “Close”, and “Stop” toggle switch positions in quick succession in order to “jog” the curtain. After the position as been established lock it into the motorized roll memory by depressing the Yellow (Close) button. The button should release from the “depressed” position and “pop out”. You can repeat this process a few times to verify that the button is no longer depressed.

To set the “Full Up” (Open) position index the toggle switch to the “Open” position and monitor the position of the curtain. Index the toggle switch to the “Stop” position as soon as the bottom of the curtain is within ~2” of the bottom of the motorized roll. **DO NOT** allow the curtain to continue above this point. If it should happen to wrap around the motorized roll it will become necessary to reestablish the “Full Down” position via the above procedure. The exact “Open” position can be adjusted by using the “Open”, “Close”, and “Stop” toggle switch positions in quick succession in order to “jog” the door. After the position as been established lock it into the motorized roll memory by depressing the White (Open) button. The button should release from the “depressed” position and “pop out”. You can repeat this process a few times to verify that the button is no longer depressed.

The assembly, installation, and set-up of your Shaver's Motorized Curtain is now complete and it is ready for typical operation. It is a virtually maintenance free unit and should give you years of reliable service.

We want to thank you again for your business and the opportunity to partner with your firm on this project. Please don't hesitate to contact us if you have any questions regarding these instructions or encounter any problems with the installation or performance of your door.