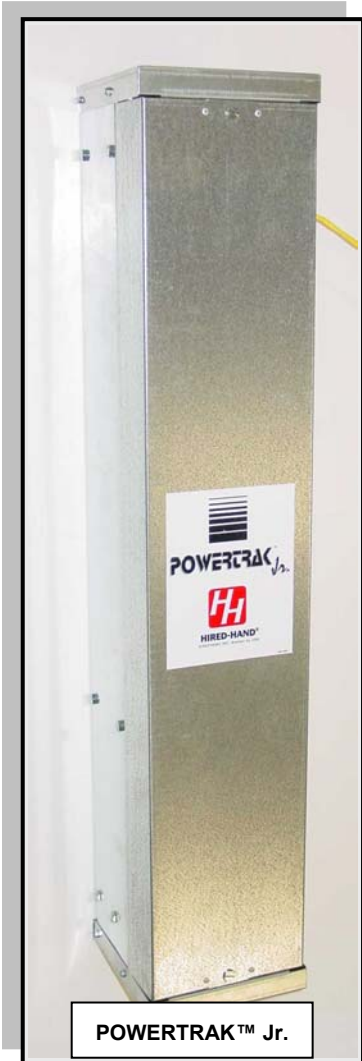




Auxiliary Status Switch Kit

for
POWERTRAK™ Jr. OR **POWER-CURTAIN™**



POWERTRAK™ Jr.

FIGURE 1



Inside View
(shown without Cover)

FIGURE 2

DESCRIPTION

The Auxiliary Status Switch Kit can be added to a new or existing PowerTrak™ Jr. unit or to an existing PowerCurtain™ unit to provide upper and lower curtain/vent height status.

NOTE: The insulated cable is not included with this kit.

When the status switch kit is received, check for shipping damage or missing parts.

Important Installation Tip

Installation of this kit must be conducted only after the PowerTrak™ Jr. / PowerCurtain™ unit is mounted, fully functional, cable setup complete to the curtains or vents, and the units limit switches already set.

Ordering Number

Part Number	Description
6650-0151	Auxiliary Status Switch Kit for PowerTrak™ Jr.
6650-0150	Auxiliary Status Switch Kit for PowerCurtain™

Tools Required

Drill	Safety Glasses
1/2" Drill Bit for cable grommet	Alcohol
	Wipes

Required Parts

Notes	Description	Quantity
Mount on Load Block	Magnet (Switch Activator)	2 (One is a spare)
Mount for Limits	Magnetic Reed Switch	2
Extra tape if needed for repositioning	Double-Sided Adhesive Tape	3 inches
Secure wires & cable tie	Cable Tie Mount	2
Used for Cable End Wiring	Grommet (for PowerTrak Jr. ONLY)	1
Secure wires	3" Cable Tie	2
	Wire-Nut Connector	4
Customer Supplied	Insulated Cable	2 Cables

* Refer to Figures 4 and 6 for photos of the listed parts.

! DANGER

Failure To Follow These Instructions May Result in Injury!

1. Disconnect All Electrical Power Sources To PowerTrak™ Jr. / PowerCurtain™ And Controller Before Installation Of Auxiliary Kit.
2. When Connected To An Automatic Controller, PowerTrak™ Jr. / PowerCurtain™ MAY START AT ANY TIME.
3. Wiring And Connections Must Comply With All National And Local Electrical Codes. Installation By Qualified Electrician Required!
4. Use Caution When Handling Sharp Metal.
5. Always Wear Safety Glasses When Drilling, Fastening, Or Cutting Metal.
6. When Used In A Life Support Ventilation System Where Failure Could Result In Loss Or Injury, The User Should Provide Adequate Back-up Or Accept The Risk Of Such Loss Or Injury!

I. Mounting Auxiliary Status Switches to PowerTrak™ Jr.

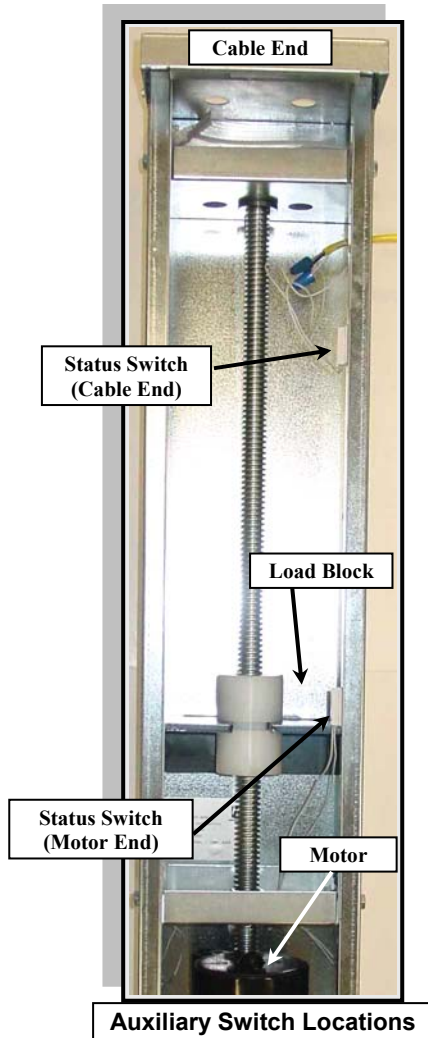


FIGURE 3

KIT COMPONENTS

The PowerTrak™ Jr. Auxiliary Status Switch Kit contains the items listed on Page 1 in the required parts table except the insulated cable. The insulated cable is customer supplied.

MAGNET INSTALLATION

The magnet is similar in appearance to the reed switches except the magnet does not have attached wires.

1. Use alcohol to clean the load block surface where the magnet will be applied. Ensure the surface is completely clean and dry before proceeding to the next step. **Refer to Figures 3, 4, and 5.**
2. Allow 1/8" clearance from the edge of the load block and attach the magnet to the load block using the adhesive tape. The magnet should be located on the load block side facing away from the motor. **Refer to Figure 5.**

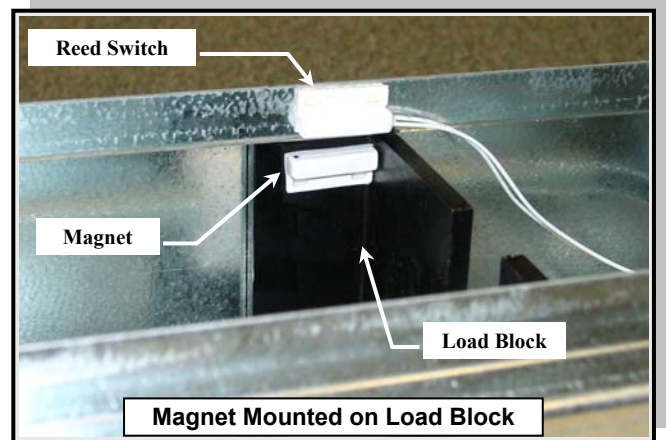


FIGURE 4

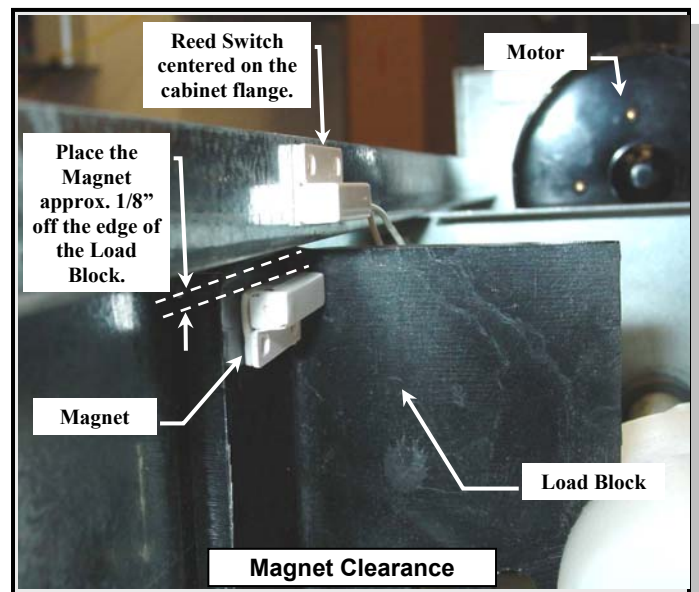


FIGURE 5

SWITCH INSTALLATION (Motor-End)

3. Run the machine load block to the maximum set motor-end position for status switch activation.
4. Use alcohol to clean the cabinet flange surface where the reed switch will be applied. Ensure the surface is completely clean and dry before proceeding to the next step. **Refer to Figures 3, 4, and 5.**
5. Line-up the reed switch with the magnet and attach the reed switch to the center of the cabinet flange. The wires of the reed switch should be routed toward the motor end. **Refer to Figures 4 and 5.**

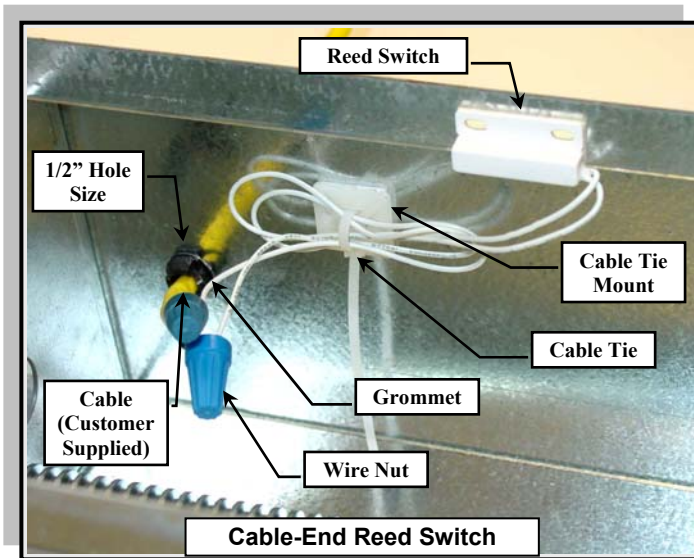


FIGURE 6

SWITCH INSTALLATION (Cable-End)

6. Run the machine load block to the maximum set cable-end position for status switch activation.
7. Use alcohol to clean the cabinet flange surface where the reed switch will be applied. Ensure the surface is completely clean and dry before proceeding to the next step.
8. Line-up the reed switch with the magnet and attach the reed switch to the center of the cabinet flange. **Refer to Figure 6.**
9. Drill a 1/2" hole in the cabinet near the cable-end reed switch.
10. Insert the supplied grommet and customer supplied cable through the 1/2" hole.

SWITCH WIRING

NOTE: Prior to wiring the status switches to the controller, determine the correct intended use of the cable-end reed switch and the motor-end reed switch. One of these switches will be used to indicate when the curtain/vent is closed; The other switch will be used to indicate when the curtain/vent is open. Which reed switch is labeled as "closed" or "open" will depend on the specific application setup of the curtain or vent to the PowerTrak™ Jr. Ensure that the wiring from the reed switches (motor-end switch and cable-end switch) to the controller is wired accordingly.

11. Using the wire nut connectors, wire the cable-end reed switches to the customer supplied cable. **Refer to Figure 10** for wiring the auxiliary switches to an Evolution 3000 / 3001. Using a cable tie and cable tie mount, secure the excess wire to the side of the cabinet.
12. Wire the motor-end reed switch to customer supplied cable with the wire nut connectors. The motor-end wiring should be inserted through one of the cabinet knock-outs beneath the motor. Secure excess wire.

CAUTION: Ensure that all wires and cable are secured and placed so that they do not interfere or become tangled with the load block, drive, or motor during complete operation of the PowerTrak™ Jr.

13. Test and ensure that the PowerTrak™ Jr., controller, and curtains are operating correctly.

II. Mounting Auxiliary Status Switches to PowerCurtain™

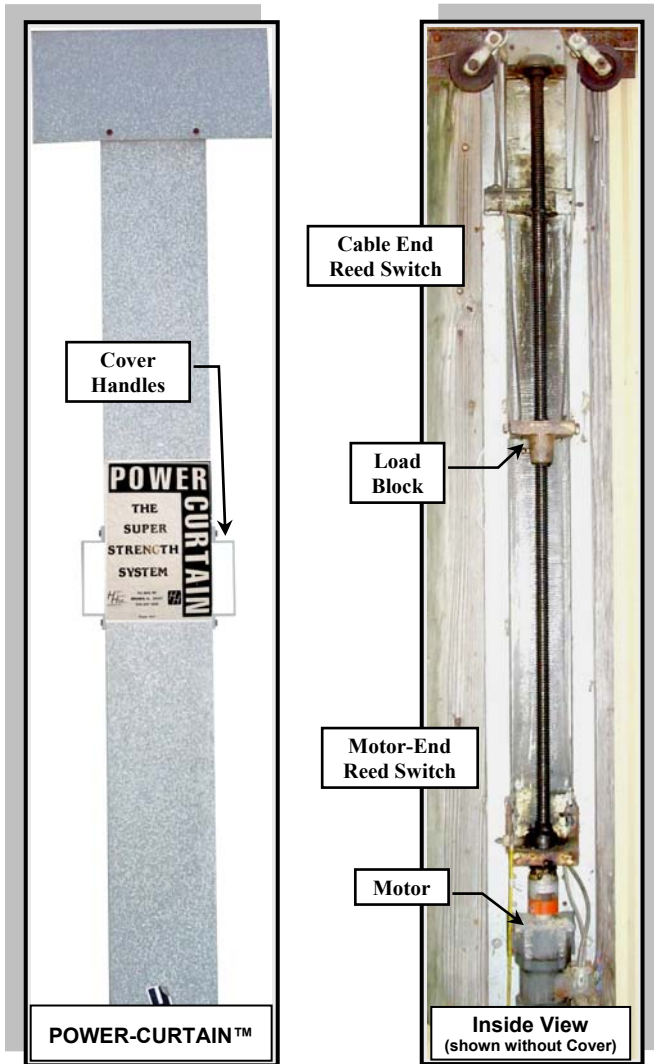


FIGURE 7

FIGURE 8

KIT COMPONENTS

The PowerCurtain™ Auxiliary Status Switch Kit contains the items listed on Page 1 in the required parts table except the grommet and the insulated cable. The insulated cable is customer supplied.

MAGNET INSTALLATION

The magnet is similar in appearance to the reed switches except the magnet does not have attached wires.

1. Use alcohol to clean the load block and back plate surface where the magnet and reed switches will be applied. Ensure the surface is completely clean and dry before proceeding to the next step. **Refer to Figures 7, 8, and 9.**
2. Attach the magnet to the load block using the adhesive tape. **Refer to Figure 9.**

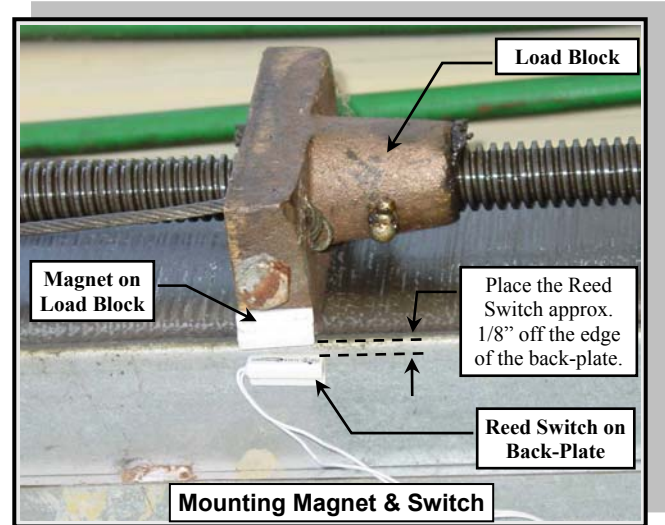


FIGURE 9

SWITCH INSTALLATION (Motor-End)

3. Run the machine load block to the maximum set motor-end position for status switch activation.
4. Use alcohol to clean the cabinet back-plate surface where the reed switch will be applied. Ensure the surface is completely clean and dry before proceeding to the next step. **Refer to Figures 8 and 9.**
5. Line up the reed switch with the magnet and allow 1/8" clearance from the edge of the back plate to the reed switch. Attach the reed switch to the side of the cabinet back-plate using the adhesive tape. The wires of the reed switch should be routed toward the motor end.

SWITCH INSTALLATION (Cable-End)

6. Run the machine load block to the maximum set cable-end position for status switch activation.
7. Use alcohol to clean the cabinet back-plate surface where the reed switch will be applied. Ensure the surface is completely clean and dry before proceeding to the next step.
8. Line up the reed switch with the magnet and allow 1/8" clearance from the edge of the back plate to the reed switch. Attach the reed switch to the side of the cabinet back-plate using the adhesive tape. The wires of the reed switch should be routed toward the motor end.

SWITCH WIRING

NOTE: Prior to wiring the status switches to the controller, determine the correct intended use of the cable-end reed switch and the motor-end reed switch. One of these switches will be used to indicate when the curtain/vent is closed; The other switch will be used to indicate when the curtain/vent is open. Which reed switch is labeled as “closed” or “open” will depend on the specific application setup of the curtain or vent to the Power Curtain™. Ensure that the wiring from the reed switches (motor-end switch and cable-end switch) to the controller is wired accordingly.

9. Using the wire nut connectors, wire the cable-end reed switches to the customer supplied cable. **Refer to Figure 10** for wiring the auxiliary switches to an Evolution 3000 / 3001. Using a cable tie and cable tie mount, secure the excess wire to the side of the cabinet backplate.

10. Wire the motor-end reed switch to customer supplied cable with the wire nut connectors.

11. The wiring should be routed out through the motor-end of the PowerCurtain™. Secure excess wire.

CAUTION: Ensure that all wires and cable are secured and placed so that they do not interfere or become tangled with the load block, drive, or motor during complete operation of the PowerCurtain™.

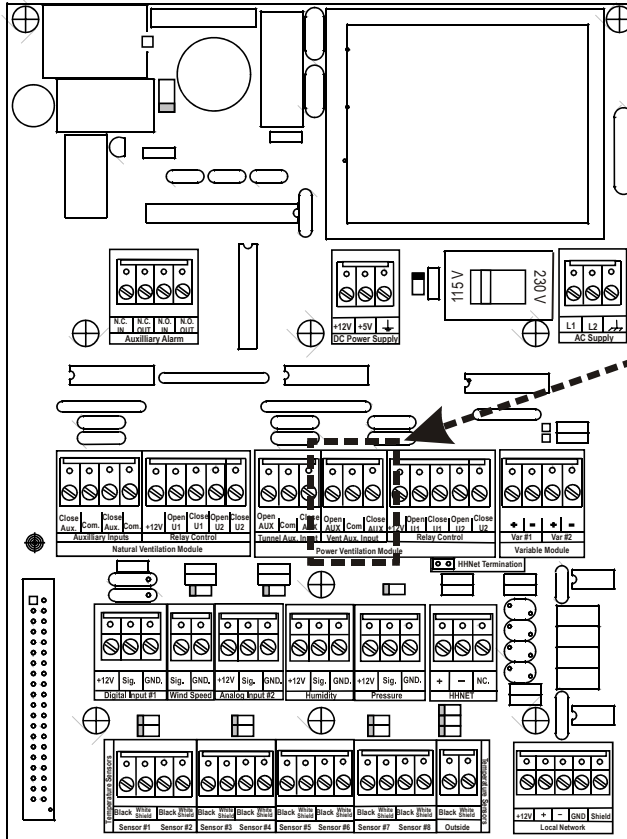
12. Test and ensure that the PowerCurtain™, controller, and curtains are operating correctly.



HIRED-HAND®

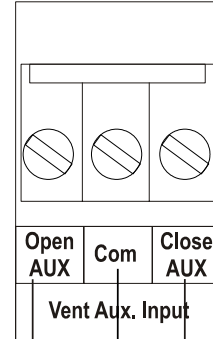
FIGURE 10 – Wiring Auxiliary Switches to EV-3000/3001

Evolution 3000/3001 PCB 169

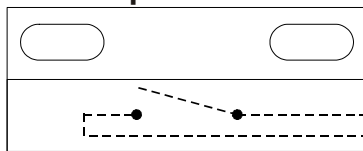


Inset A

**Inset A
Evolution 3000**



“Curtain Open” Reed Switch



“Curtain Close” Reed Switch

