

R•O•M Roll-up Shutter Door – Series IV Installation Instructions



R03995 3 WIRE DOOR AJAR SWITCH WIRING DIAGRAM

Please carefully follow these instructions!
Maximum load on the switch is ½ amp.
Follow the color codes.

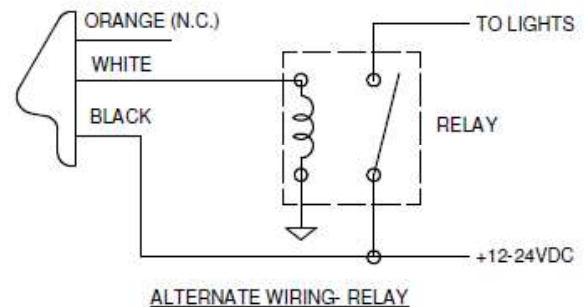
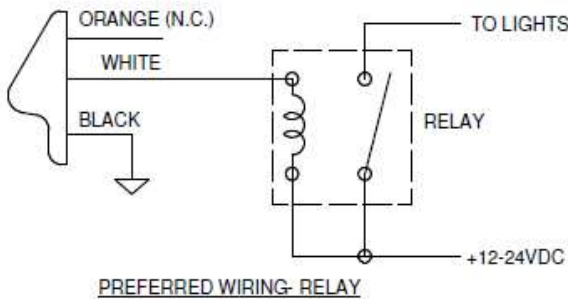
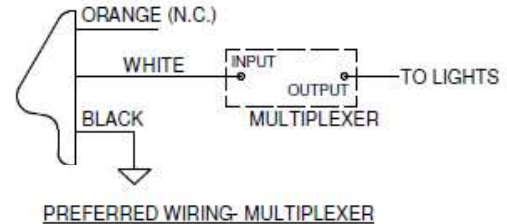


Fig.8

Wiring Test Procedure:

NOTE: The Series IV Door Ajar Switch is rated for ½ AMP. Control of higher current must be through a relay or multiplexer.

To determine if proper installation has been achieved, check the operation of the door ajar switch by applying a magnet (R•O•M Part # R00011 or any strong magnet) to the door ajar switch where the lift bar rests when the door is closed. When the door is open the compartment light should be illuminated.

Therefore, when the magnet makes contact with the door ajar switch the light should turn off.

If the compartment light remains on when the magnet makes contact with the door ajar switch, reverse the white and orange wire connections, and repeat the above procedure.

If proper operation is still not achieved, re-check the wiring connections for proper wiring.

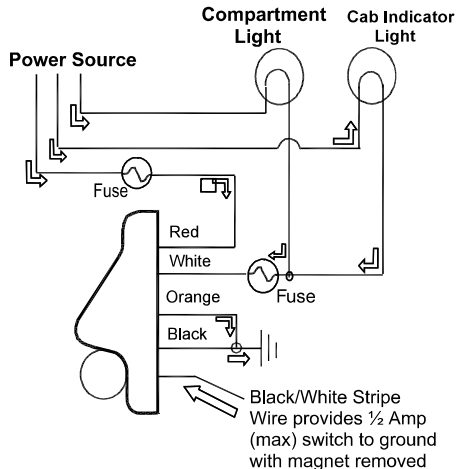
R•O•M Roll-up Shutter Door – Series IV Installation Instructions



R00781 5 WIRE DOOR AJAR SWITCH WIRING DIAGRAM

(Preferred Wiring)

Lights to Ground Thru Solid State
Switch Configuration
Indicator Lights to +12-24 VDC 8 Amps Max
(Supply voltage of less than 11V can
cause switch to malfunction)



Lights to Power Thru Solid State
Switch Configuration
Indicator Lights to Ground
(Supply voltage of less than 9V can
cause switch to malfunction)

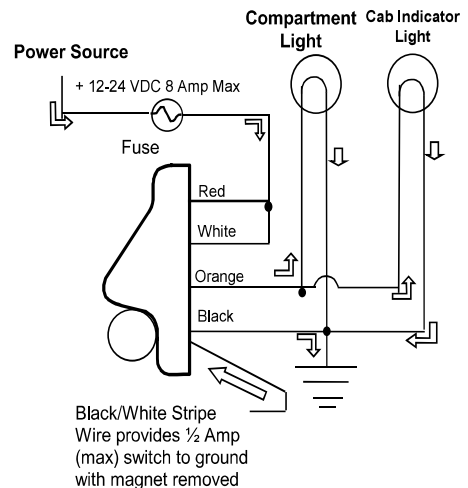


Fig.8A

Wiring Test Procedure:

This device has a solid-state output switch, and polarity is important. Damage to the device may result from extended operation with improper connection of the wires.

To determine if proper installation has been achieved, check the operation of the door ajar switch by applying a magnet (R•O•M Part # R00011 or any strong magnet) to the door ajar switch where the lift bar rests when the door is closed. When the door is open the compartment light should be illuminated. Therefore, when the magnet makes contact with the door ajar switch the light should turn off. If the compartment light remains on when the magnet makes contact with the door ajar switch, reverse the white and orange wire connections, and repeat the above procedure. If proper operation is still not achieved, re-check the wiring connections for proper wiring.

Optional Output

The new switch design has a single output that can be split to provide power to both compartment lights and a door ajar indicator light in the cab of the vehicle. If you have multiple indicator lights in the cab that show which door is open, the new design will work with no additional components or modifications. This can be performed using the black wire with white strip wired directly to the light; unless the current draw is more than a ½ amp then it will be necessary to use this wire to provide a controlled ground for an optional relay or electronic control provided by user.