HOME WORKS

Installation Instructions

Overview

The HW-RPM-4M-120 provides raise and lower contacts to control up to four motors or non-dim loads. Each of the four loads may be a maximum of 1/4 HP, 5Amps (motor) or 3 Amps (Tungsten). The installation requires that four additional terminal blocks be mounted onto the din rail assembly of a HW-PNL8 panel.

Package Contents

- 1 HW-RPM-4M-120
- 4 Yellow Terminal Blocks
- 1 Eight position Raise-Lower marker

Step by Step Instructions

1. Turn power OFF to all feeds to the panel.

Danger—This panel may be fed by circuits. Locate and lock each supply

- breaker in the off position before proceeding.
- 2. Locate the end stop above the module's blocks.
- 3. Loosen the end stop screw(s) and slide the end stop up (toward the top of the panel).
- 4. Locate the 5-position bypass jumper in the motor module's terminal
- 5. Loosen all five screws on the bypass jumper and remove the bypass jumper.
- 6. Remove the DH markers from the motor module's DH terminal blocks. Note—leave the H marker in place.
- 7. Remove the four DH terminal blocks from the din rail by lifting one end of the blocks off the rail, then rotating the blocks off the other side of the rail.
- 8. Alternate the four original terminal blocks with the four yellow terminal blocks and place them back onto the din rail. From top to bottom the blocks should be arranged original, yellow, original, yellow, etc....
- 9. Install the 8 position marker onto the 8 assembled terminal blocks.
- 10. Slide the End Stop back down to the blocks.

HW-RPM-4M-120

Motor Module, 4 Circuits, 120V



HW-PNL8 Panel

Modifying the panel's din rail assembly



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11. Secure the module's wires in the appropriate terminal blocks using 3.5 to 5 in-lbs of torque.



Danger—Do not use modules other than in an HW-PNL8 panel (HW-PNL8-RMC or HW-PNL8-SMC).

- **12. Mount the module into the rough-in panel** as shown on the front page. Do not over- tighten screws—torque to 20 in-lbs
- **13. Check all wiring as per diagrams on the right.** Each of the four module outputs is rated for 1/4HP, 5A (motor) or 3A (Tungsten) maximum.
- 14. Check that the load is safe.

Danger—The motor interlock module must not be used to control equipment which is not visible from every keypad control location. It also must not be used to control equipment which could create hazardous situations such as entrapment if operated accidentally. Examples of equipment which must not be controlled by the motor interlock module include (but are not limited to) motorized gates, garage doors, and industrial doors. It is the installer's responsibility to ensure that the equipment being controlled is visible from every keypad control location and that only suitable equipment is connected to the motor interlock module.

15. Turn the input circuit breaker ON.



Danger—Turn the input circuit breakers on only when load wiring is complete and it is safe to apply power.

16. Use the Address Switch to check the operation of the module as follows:

Position	Proper Module Output / Purpose	
0	All Relays OFF	
1-8	Address for normal operation	
9-D	Not Used	
E	All Raise Relays ON	
F	All Lower Relays ON	

- 17. Set each address switch to match the module's position (module 1 is the top right position, module 2 is the top left position, module 3 is directly below module 1 etc...).
- 18. Plug on the control harness as described in the HW-MA-8 literature.
- **19.** After the HW-MA-8-120 is configured , **check each module's diagnostic** (light emitting diode):

LED Status	Possible Cause
Off	No Power or Defective Module
Blinks 1 / sec	Normal Operation "Heartbeat"
Blinks 1 /	Not communicating with HW-MA-8-120:
7 seconds	control harness not plugged in (or open)
"Lighthouse"	invalid address
	HW-MA-8-120 not configured for

Technical and Sales Assistance

If you have questions concerning the installation or operation of this product, call the toll-free *Lutron Hotline:* (800) 523-9466 (U.S.A., Canada, and the Caribbean) Other countries call (610) 282-3800 Fax: (610) 282-3090

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Load Wiring



Warranty

Lutron warrants each new unit, for a period of one year from the date of shipment, to be free from defects in materials or workmanship under conditions of normal use and specified ambient temperature when installed and operated under Lutron product specifications and in accordance with the applicable National Electrical Code and Safety Standards of Underwriters Laboratories. Lutron shall, at its option, repair or replace any defective unit which, in its opinion, has not been improperly installed, wired, insulated, used or maintained, provided, however, that Lutron shall not be required to remove, install or reinstall any defective unit and provided that Lutron is promptly notified of said defect within the aforementioned warranty period. The foregoing warranty and optional remedies are exclusive and, except for the foregoing warranties, THERE ARE NO EXPRESS WARRANTIES OF MERCHANTABILITY NOR OF ANY OTHER IMPLIED TYPE. In no event shall Lutron or any other seller be liable for consequential or special damages, nor for any repair work undertaken without its prior written consent, nor shall Lutron's liability on any claim for damages arising out of or connected with the manufacture, sale, installation, delivery or use of said unit ever exceed the price paid therefor.

Questions? Call Residential Systems Technical Support at 1-800-523-9466

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