

M2 Plug-In Relay Module

The M2 Plug-In Relay Module is an add-in relay card that gives the M2 controller family 4 relay outputs. These outputs are designated as outputs 1 through 4 or outputs 5 through 8 and are double pole double throw (DPDT) that can be used as normally open (NO) or normally closed (NC). The module also has HOA switching capability on each of the four relays as well as a status LED. When the HOA switch is in HAND mode, the status LED will have a long ON blink and a very short OFF blink. If the HOA switch is in OFF mode, the LED will have a long OFF blink and a short ON blink. In Auto mode, the LED will stay ON or OFF depending on the relay status.

Note: The M2-R4 module can be used on both the M2 and M2V controllers. The terminal block on this module has labeled terminals 15, 26, 37 and 48. For example, the first relay of the M2-R4 can be either output 1 or 5 depending on where the module is inserted. When the module is inserted into the Relay Module Port on the M2V, it will designate Relay 1 as the controller's Output 5. Then with a black marker, the 1 of the 15 label can be blacked out to only show the 5. Continue this process for outputs 6, 7 and 8 so that the relay module shows the correct output labels. On an M2, two M2-R4 modules can be used simultaneously to provide outputs 1 through 8. For the first M2-R4 module, with a black marker, mark out the numbers 5, 6, 7 and 8 and for the second M2-R4 module, mark out the numbers 1, 2, 3 and 4.

Specifications

Power Specifications

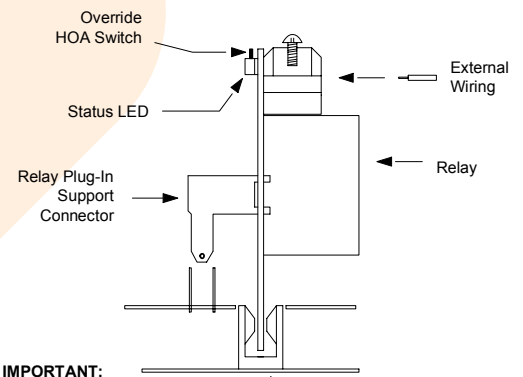
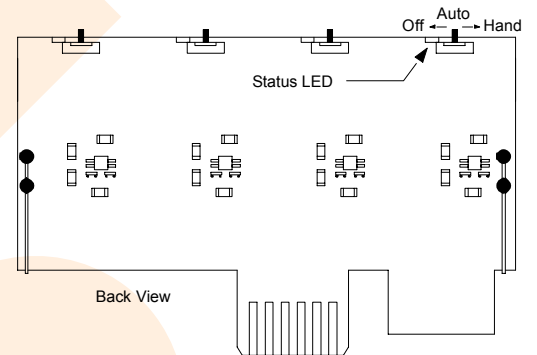
- Contact Ratings:** 5A at 24VAC (NO)
3A at 24VAC (NC)
- Minimum Load:** 10mA at 6VAC
- Max Duty Cycle:** 20 cycles per minute
- Relay Contact Life:** 500,000 at 5A (NO)
200,000 at 3A (NC)
- Power Consumption:** 8.5VA (all relays energized)

Relays should not be used to switch more than 24VAC

Operating Environment

- Temperature:** 40 to 140 F (4 to 60 C) *
- Humidity:** 10-90% Relative, noncondensing **

- * Storage Temperature: -10 to 150 F (-23 to 66 C)
- ** Storage Humidity: 0-95% Relative, noncondensing



IMPORTANT:
Plug the module into two female mating connectors for stability

Turn off power to the M2 or M2V before inserting this module