

## MOV Backseat Relay

This relay is used to remotely backseat motor operated valves (MOV) to stop packing leaks in locations where the valve cannot be easily accessed. It is connected at the motor control center to bypass the open limit switch. Three clamp-on current sensors are used to measure three phase current to the valve motor. By sensing an increase in current, it detects the valve at the backseat and opens a contact to remove power from the valve motor.

### SPECIFICATIONS

Model:	201602
Inputs:	Three phase AC, 60 Hz, from split transformer 1000:1 ratio AC current probes
Input Range:	0 to 1A (RMS) from current probes, corresponding to 0 to 1000 Amps sensed by the 1000:1 probes. Auto scaling is used to cover the current range in spans of approximately 20, 150, and greater amps.
Accuracy:	5% absolute RMS current, 10 bit sensor resolution
Output:	MOSFET solid state relays rated for 400 volts AC, 2 amps continuous duty. Dual MOSFET relays are used in series for the output contact, along with an independent permit logic circuit controlled by the panel buttons, to reduce the possibility of a single failure keeping the motor running.
Connectors:	4mm safety banana jacks
Response Time:	< 8 milliseconds trip current sensing
Display:	2 lines x 20 characters LCD, backlit
Indications:	LEDs, green (contact open) and red (contact closed)
Power:	6 volts DC from four AA alkaline (supplied) or lithium batteries, 46 mA
Auto Shutoff:	After 30 minutes with no key press
Size:	195mm x 101mm x 44mm
Weight:	0.5 kg
Test Leads:	10 foot (3m) test leads for current sensors and relay output are included. Pomona 5916B alligator clips are included with the relay leads.
Logging Option	-L option adds the capability to save test data, including setup parameters, results, and current readings at 1 millisecond interval. The log is saved as a text format file to a Micro SD memory card.



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