

Low Voltage Monitor AC/DC Shunt Relay

LVM

Specifications

Electrical

Supply Voltage: 120 or 240 VAC, 50/60Hz Sense Ranges: 75mV = 5 to 75mV AC/DC 400mV = 25 to 400mV AC/DC 4.5V = 250mV to 4.5V AC/DC 26V =1.4V to 26V AC/DC 150V =10V to 150V AC/DC Hysteresis: 4% AC input, DC 0% Signal Impedance: 20KΩ minimum Decreasing Voltage Delay: 0.75 Sec. Typ. Increasing Voltage Delay: 1/4 of Decreasing Frequency: DC to 400 Hz Max. Continuous Sense Voltage: 200V Max. 5 -75mV 600 Volts all Others Output Rating @ 25°C: 10 Amps @ 125VAC 5 Amps @ 250VAC, 1600VA Max. Resistive Load Power Consumption: 3W

Physical

Mounting: Surface, #6 Screw Termination: Terminal Block Packaging: Open circuit board Optional case available Weight: 6 Oz.

Ambient Temperatures Operating: 0°C to 40°C Storage: -40°C to 85°C

Consult Factory for Other Options: DC Hysteresis DC or AC Only Sensing Frequency Compensation

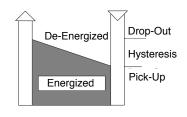


- 5mV to 150V AC/DC
- 600 VAC Overvoltage
- 10 Amp Contact NO/NC
- Noise Filter
- Nusance Delay
- Normal or Reverse
 Operation
- Compact Design
- Low Cost

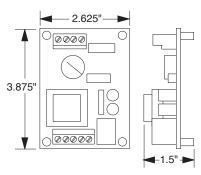
Operation

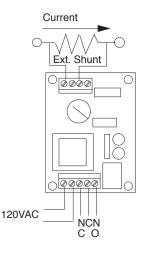
AC/DC Shunt Voltage Sensing Relay

The supply voltage must be provided to the LVM continuously. While the LVM will pick-up and drop-out based on the voltage set point, the voltage sensing inputs will accept up to 600 volts without damage. With no voltage on the voltage sensing input, the internal relay is energized, transferring the output contacts. When the sensed voltage exceeds the set point, the output relay will de-energize. With no supply voltage the output relay is deenergized. Hysteresis and a time delay prevent rapid cycling of the output relay.



Ordering Information LVM -1- 400M- S **Delay Time** R-K Model S - 0.75 Sec. Standard F - 0.10 Sec. L - 1.50 Sec. Options Sense Range M - Signal AC/DC. 75mV = 5 to 75mVNon-Polarized 400mV = 25 to 400mV P - Signal DC Only, 4.5V = 250mV to 4.5V Polarized 26V = 1.4V to 26V 150V = 10V to 150V Operation Supply Voltage - Standard 1 - 100 -125 Volts AC R - Reverse 2 - 200 - 250 Volts AC **Dimensions** Connections





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