



INSTALLATION INSTRUCTIONS

VMP VOLTAGE MONITORING RELAYS

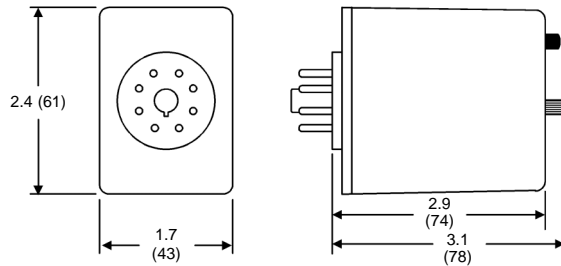
July, 2004 (Replaces New Dated January, 1998)

901-0000-068 REV A

**READ INSTRUCTIONS BEFORE INSTALLING OR OPERATING THIS DEVICE.
KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

OPERATION — Voltage Monitoring Relays provide protection to equipment where an over or under voltage condition is potentially damaging. They monitor either ac single phase (50-400hz) or dc voltages. No supply (input) voltage is required.

DIMENSIONS —

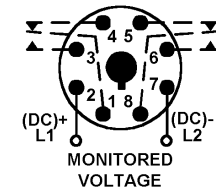
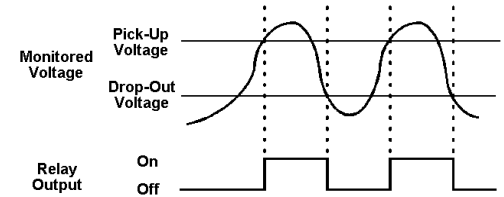


- SPECIFICATIONS** —
- Operating Voltage:** See Product Nameplate.
AC voltages are 50-400Hz.
No supply (input) voltage required.
 - Output Contact Rating:** 10A Resistive @ 240VAC
10A Resistive @ 30VDC
1/2 Hp @ 240VAC
 - Setting Accuracy:** Minimum Setting: +0%, -5%
Maximum Setting: +5%, -0%
 - Temperature Range:** -28° to 65°C (-20° to 150°F)

SOCKETS & ACCESSORIES	Description	Product Number
	8 Pin Octal Socket	70169-D
	DIN Mounting Track	70100
	End Clamp	70200

INSTALLATION & WIRING

Mount the 8 Pin octal socket in a suitable enclosure. Wire the socket per the diagram below. Adjust the pick-up setting between 85% and 115% of the nominal voltage rating of the unit. The drop-out voltage setting is fixed at 3% below the pick-up voltage setting. The relay energizes (and the LED is on) when the monitored voltage is above the pick-up setting. The relay de-energizes (and the LED is off) when the monitored voltage is below the drop-out setting.



TROUBLESHOOTING — If the unit fails to operate properly, check that all connections are correct per the wiring diagram. If problems continue, contact Macromatic at 800-238-7474 for assistance.

WARRANTY

All products manufactured by Macromatic are warranted to be free from defects in workmanship or material under normal service and use for a period of five (5) years from date of manufacture.

WARNING

Potentially hazardous voltages are present. Turn off all power supplying this equipment before connecting or disconnecting wiring.



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