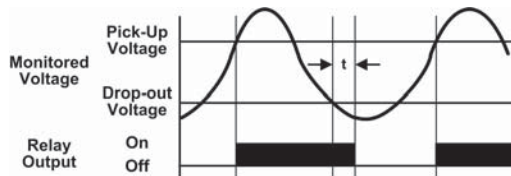


OVER/UNDER VOLTAGE | FIXED TIME DELAY ON DROP-OUT

12-120V | VM SERIES

Over/Under Voltage Relays provide protection to equipment where either an over or under voltage condition is potentially damaging. They are designed to operate when the operating voltage reaches a preset value and drop-out when the operating voltage drops to a level below the preset value.

The pick-up voltage setting is user-adjustable from 85-115% of the nominal voltage rating. As standard, the VMP Series has a drop-out voltage setting fixed at 95% of the pick-up voltage setting. An adjustable drop-out setting of 75-95% of the pick-up setting is available on the VMKP Series. The relay energizes when the monitored voltage is above the pick-up setting. The relay de-energizes when the monitored voltage is below the drop-out setting for a period longer than the drop-out time delay (t), which is a fixed 500ms for VM Series products. If an adjustable time delay on drop-out is required, see VAP/VAKP Series.



Adjustable Pick-Up, Fixed Drop-Out Settings *
Time Delay on Drop-out at 500ms

MONITORED VOLTAGE	PICK-UP VOLTAGE RANGE	DROP-OUT VOLTAGE RANGE*	PRODUCT NUMBER	WIRING/ SOCKET
24V AC 120V AC	21-27V AC 102-138V AC	20-26V AC 97-131V AC	VMP024A VMP120A	8 Pin Octal 70169-D MONITORED VOLTAGE DIAGRAM 20
12V DC 24V DC 48V DC 110V DC	10-14V DC 21-27V DC 41-55V DC 94-126V DC	9-13V DC 20-26V DC 39-52V DC 89-121V DC	VMP012D VMP024D VMP048D VMP110D	

* Drop-out Voltage is fixed at 95% of the adjusted Pick-up Setting.

Adjustable Pick-Up & Drop-Out Settings **
Time Delay on Drop-out Fixed at 500ms

MONITORED VOLTAGE	PICK-UP VOLTAGE RANGE	DROP-OUT VOLTAGE RANGE**	PRODUCT NUMBER	WIRING/ SOCKET
24V AC 120V AC	21-27V AC 102-138V AC	16-26V AC 77-131V AC	VMKP024A VMKP120A	8 Pin Octal 70169-D MONITORED VOLTAGE DIAGRAM 20
12V DC 24V DC 48V DC 110V DC	10-14V DC 21-27V DC 41-55V DC 94-126V DC	8-13V DC 16-26V DC 32-52V DC 71-121V DC	VMKP012D VMKP024D VMKP048D VMKP110D	

** Drop-out Voltage is adjustable from 75-95% of the adjusted Pick-up Setting.

Sockets & Accessories available



- ◆ Monitors AC single phase and DC voltages
- ◆ Wide range of user-adjustable pick-up and drop-out settings
- ◆ Fixed time delay on drop-out of 500ms
- ◆ LED indicates output relay status
- ◆ Compact plug-in case utilizing industry standard 8 pin octal socket
- ◆ 10A DPDT output contacts



(with appropriate socket)



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