



INSTALLATION INSTRUCTIONS

VMP, VAP, & VWP SERIES VOLTAGE MONITORING RELAYS

April, 2006 (Replaces New Dated April, 2005)

901-0000-112 Rev A

INSTALLATION & WIRING

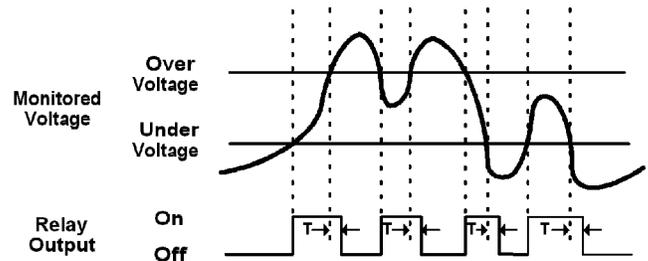
Please refer to instructions provided on the carton for information on installing & wiring this unit.

PRODUCT SET-UP

Locate the appropriate Product Series (see nameplate on product) below or on the back for information on how to set-up the product:

VWP Series Voltage Band

Adjust the over voltage setting between 100 & 125% of the nominal voltage rating of the unit. Adjust the under voltage setting between 75 & 100% of the nominal voltage rating of the unit. The relay energizes (and the LED is Red) when the monitored voltage is between the over & under voltage settings. The relay de-energizes (and the LED is Green) when the monitored voltage falls outside the over or under voltage settings.



VWKP Series Voltage Band

Adjust the over voltage setting between 100 & 125% of the nominal voltage rating of the unit. Adjust the under voltage setting between 75 & 100% of the nominal voltage rating of the unit. Set the time delay on drop-out between 0.5 & 10 seconds. The relay energizes (and the LED is Red) when the monitored voltage is between the over & under voltage settings. The relay de-energizes (and the LED is Green) when the monitored voltage falls outside the over or under voltage settings for a period longer than the set time delay (T) & monitored voltage remains.

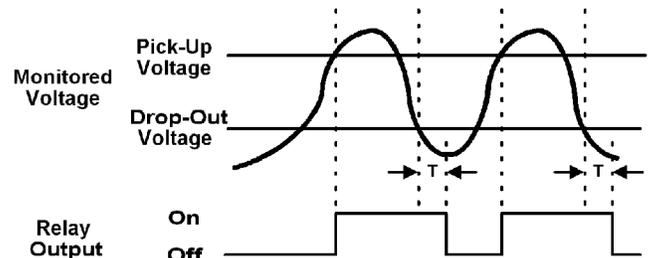
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VMP Series Over/Under Voltage

Adjust the pick-up setting between 85% and 115% of the nominal voltage rating of the unit. The drop-out setting is fixed at 95% of the pick-up setting. The relay energizes (and the LED is Red) when the monitored voltage is above the pick-up setting. The relay de-energizes (and the LED is Green) when the monitored voltage is below the drop-out setting.

VMKP Series Over/Under Voltage

Adjust the pick-up setting between 85% and 115% of the nominal voltage rating of the unit. Then adjust the drop-out setting between 75 & 95% of the pick-up setting. The relay energizes (and the LED is Red) when the monitored voltage is above the pick-up setting. The relay de-energizes (and the LED is Green) when the monitored voltage is below the drop-out setting.



VAP Series Over/Under Voltage

Adjust the pick-up setting between 85% and 115% of the nominal voltage rating of the unit. The drop-out setting is fixed at 95% of the pick-up setting. Set the time delay on drop-out between 0.5 & 10 seconds. The relay energizes (and the LED is Red) when the monitored voltage is above the pick-up setting. The relay de-energizes (and the LED is Green) when the monitored voltage is below the drop-out setting for a period longer than the set time delay (T).

VAKP Series Over/Under Voltage

Adjust the pick-up setting between 85% and 115% of the nominal voltage rating of the unit. Then adjust the drop-out setting between 75 & 95% of the pick-up setting. Set the time delay on drop-out between 0.5 & 10 seconds. The relay energizes (and the LED is Red) when the monitored voltage is above the pick-up setting. The relay de-energizes (and the LED is Green) when the monitored voltage is below the drop-out setting for a period longer than the set time delay (T).

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.

Macromatic Controls LLC

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