



INSTALLATION INSTRUCTIONS

VAKE & VWKE SERIES VOLTAGE MONITORING RELAYS SERIES A

January, 2009 (New)

901-0000-282

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

INSTALLATION & WIRING

Mount the product on 35mm DIN track in a suitable enclosure. Wire the unit per the appropriate diagram below.

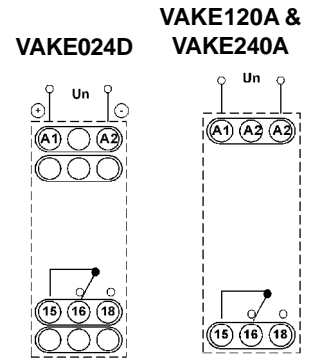
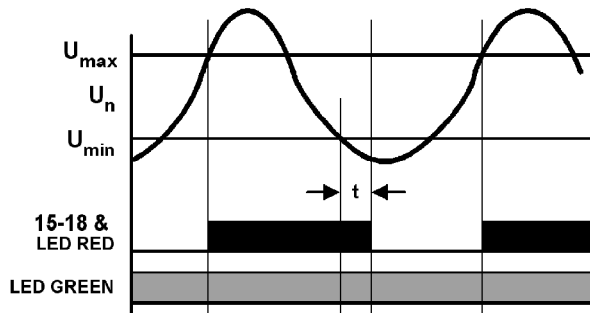
PRODUCT SET-UP

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

VAKE Series Over/Under Voltage

Provides protection to equipment where an over or under AC single phase or DC voltage condition is potentially damaging. The relay energizes when the monitored voltage is above the pick-up setting & de-energizes when the monitored voltage is below the drop-out setting for a period longer than the adjustable drop-out time delay of 0.1-10 seconds. The adjustable time delay on drop-out is provided to prevent nuisance tripping.

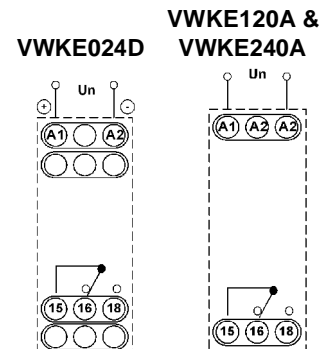
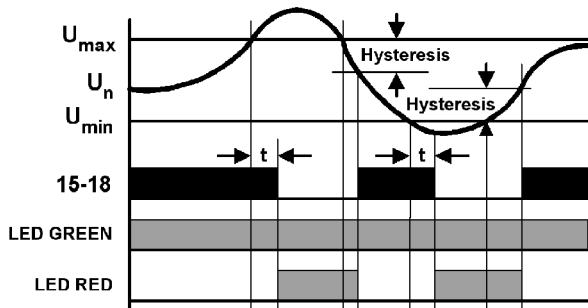
Both the pick-up & drop-out voltage settings are user-adjustable. The U_{max} dial sets the upper limit per the pick-up voltage range of the product. The U_{min} dial sets the lower limit at 30-95% of the pick-up setting. Set the time delay on drop-out between 0.1 & 10 seconds. A green LED indicates input voltage is applied; a red LED blinks during timing & is steady when the output relay is energized.



VWKE Series Voltage Band

Provides protection to equipment that is required to operate within an upper & lower AC single phase or DC voltage limit. As long as the operating voltage remains within an OVER & UNDER voltage range, the internal relay stays energized. If the operating voltage falls outside this range, the relay will drop-out.

Both the OVER & UNDER voltage settings are user-adjustable. The U_{max} dial sets the upper limit per the OVER voltage range of the product. The U_{min} dial sets the lower limit at 30-95% of the upper setting. Set the time delay on drop-out between 0.1 & 10 seconds. A green LED indicates input voltage is applied; a red LED blinks during timing & is steady when the output relay is energized.



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.

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