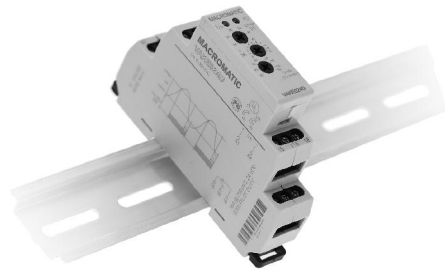


# VOLTAGE MONITOR RELAYS

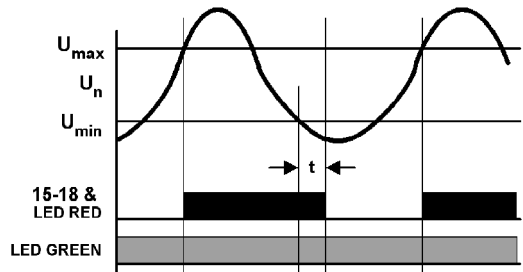
VAKE Series Over/Under voltage  
17.5mm Modular Enclosure



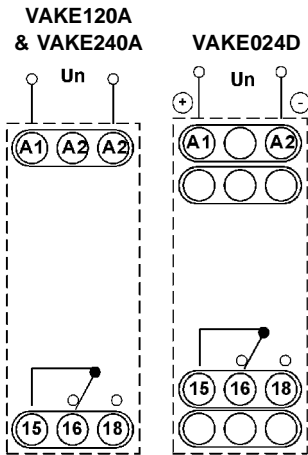
- u Monitors AC single phase and DC voltages
- u Wide range of user-adjustable pick-up and drop-out settings
- u Adjustable time delay on drop-out of 0.1- 10 seconds
- u LED indicates nominal voltage & output relay status
- u Compact 17.5mm enclosure mounts on 35mm DIN track
- u 16A SPDT output contacts



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.

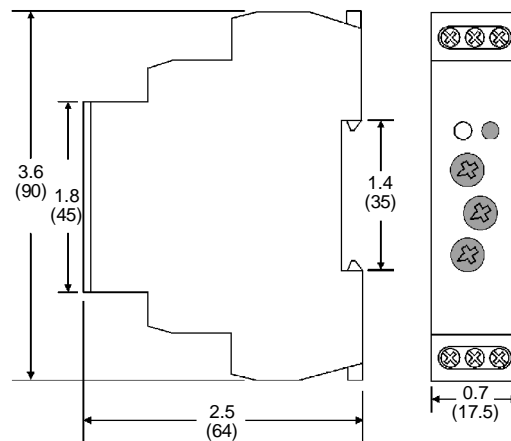


Connection Diagram



Catalog Number	VAKE024D	VAKE120A	VAKE240A
Nominal Voltage	24V DC	120V AC	240V AC
Pick-up Voltage Range	18-30V DC	80-150V AC	160-276V AC
Drop-out Voltage Range	30 - 95% of Pick-up Setting		
Consumption (Burden)	1.7W	3VA	3VA
<b>Timing</b>			
Time Delay on Pick-up	Fixed 100ms		
Time Delay on Drop-out	Adjustable 0.1-10 seconds		
<b>Output</b>			
Rating	16A @ 240V AC, 16A @ 24V DC 1HP @ 240V AC, 1/2HP @ 120V AC, B300		
Contact Material	Silver Alloy		
Life	30 million operations mechanical; 700,000 electrical		
<b>Other</b>			
Agency Approval			
Temperature	Operating: -20° to 55° C (-4° to 131° F)		
LED Indication	Green-Monitored Voltage Present Red-Blinking (Timing); Steady (Relay Energized)		
Terminations	14 AWG (2.1mm <sup>2</sup> )		

Dimensions



All Dimensions in Inches (Millimeters)



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