

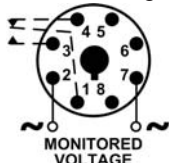
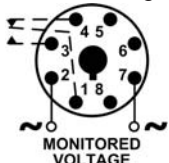




# MACROMATIC COMPARISON

## 208-240V VOLTAGE MONITOR RELAYS



Macromatic replaced the VAKPU Voltage Monitor Relay with the VAKP240A. Below is a comparison of the two products to aid in the transition.

Feature	VAKPU	VAKP240A
		
Monitored Voltage	One Unit Adjustable from 208-240V AC (VAKPU)	Separate 240V AC Version (VAKP240A)
Voltage Settings	<p><b>Pick-up:</b> Adjustable 85-115% of Nominal Voltage (Dial marked in percent, 85-115%, Actual Range: 177-276V)</p> <p><b>Drop-out:</b> Adjustable 80-95% of Pick-up Voltage Setting (Actual Range: 142 – 262V)</p>	<p><b>Pick-up:</b> Adjustable from 180-300V (Dial marked in voltage values)</p> <p><b>Drop-out:</b> Adjustable 75-95% of Pick-up Voltage Setting (Actual Range: 135 – 285V)</p>
Time Delay	<p><b>Pick-up:</b> Adjustable 0.1-10 Seconds</p> <p><b>Drop-out:</b> Adjustable 0.1-10 Seconds</p>	<p><b>Pick-up:</b> Fixed at 0.5 Seconds</p> <p><b>Drop-out:</b> Adjustable 0.1-10 Seconds</p>
Number of Adjustment Knobs	Five: <ol style="list-style-type: none"> <li>1. Monitored Voltage</li> <li>2. Pick-up Voltage Setting</li> <li>3. Drop-out Voltage Setting</li> <li>4. Time Delay on Pick-up</li> <li>5. Time Delay on Drop-out</li> </ol>	Three: <ol style="list-style-type: none"> <li>1. Pick-up Voltage Setting</li> <li>2. Drop-out Voltage Setting</li> <li>3. Time Delay on Drop-out</li> </ol> <p>Note: There is also a 1 knob version to adjust only the Pick-up Voltage Setting: the Drop-out Voltage Setting is fixed at 95% of the Pick-up Setting &amp; both Time Delays are fixed at 0.5 Seconds (VMP240A)</p>
Relay Output	10A @ 240V AC/30V DC 1/2hp @ 240V AC	10A @ 240V AC, 7A @ 30V AC 1/4hp @ 120/240V AC, C300
Mounting	<p>8 Pin Octal Plug-in</p>  <p>Macromatic 70169-D 8 Pin Octal Socket</p>	<p>8 Pin Octal Plug-in</p>  <p>Macromatic 70169-D 8 Pin Octal Socket</p>
LED Status	Red Steady-Relay On Green Steady-Relay Off Label on Side of Product	Red Steady-Relay On Green Steady-Relay Off Top of Product Next to LED (Easier to See)
Dimensions	1.7" w x 2.4" d x 3.1" h	1.7" w x 2.4" d x 3.1" h
Agency Approvals		
To replace a VAKPU with a VAKP Series product:	<p>To set-up the new VAKP240A product in both VMP &amp; VAKP Series:</p> <ol style="list-style-type: none"> <li>a. There is no need to set the monitored voltage between 208 &amp; 240V as done on the VAKPU since the VAKP240A has a dedicated single voltage of 240V AC</li> <li>b. Set both the Pick-up Voltage &amp; Drop-out Voltage settings at the same levels as done the VAKPU</li> <li>c. Set the Time Delay on Drop-out as done with the VAKPU</li> <li>d. The Time Delay on Pick-up is fixed at 0.5 second, so no adjustment is possible</li> </ol> <p>The VAKP240A product will now operate like the obsolete VAKPU with the exception of the Time Delay on Pick-up, which is fixed at 0.5 seconds on the VAKP240A vs. adjustable on the VAKPU.</p> <p><b>For additional information, visit <a href="http://www.macromatic.com">www.macromatic.com</a> for the instruction sheet on the new VAKP Series products</b></p>	