KVM SERIES

Description
The KVM Series is a single-phase undervoltage monitor designed to protect sensitive equipment against brownout undervoltage conditions. The compact design and encapsulated construction make the KVM Series an excellent choice for OEM equipment.

Operation
The output relay is energized and the LED glows green when the input voltage is above the reset voltage threshold. If the input voltage drops below the undervoltage setpoint, the output relay and LED will de-energize. The output relay will remain de-energized as long as the input voltage is below the reset voltage. Reset is automatic when the input voltage returns to a normal range.

Features & Benefits

<table>
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<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
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<tr>
<td>Continuous monitoring</td>
<td>Low cost single-phase undervoltage (brownout) protection</td>
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<tr>
<td>Compact design measures 2 in.</td>
<td>Perfect for OEM applications where, cost, size and</td>
</tr>
<tr>
<td>(50.8mm) square</td>
<td>ease of installation are important</td>
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<tr>
<td>LED indication</td>
<td>Quick visual indication of output status</td>
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<tr>
<td>Encapsulated</td>
<td>Protects against shock, vibration, and humidity</td>
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Accessories

- **P1015-64 (AWG 14/16)**
  Female Quick Connect
  These 0.25 in. (6.35 mm) female terminals are constructed with an insulator barrel to provide strain relief.

- **P1015-18 Quick Connect to Screw Adapter**
  Screw adapter terminal designed for use with all modules with 0.25 in. (6.35 mm) male quick connect terminals.

- **C103PM (AL) DIN Rail**
  35 mm aluminum DIN rail available in a 36 in. (91.4 cm) length.

- **P1023-20 DIN Rail Adapter**
  Allows module to be mounted on a 35 mm DIN type rail with two #10 screws.

Ordering Information

<table>
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<th>MODEL</th>
<th>MAXIMUM LINE VOLTAGE</th>
<th>UNDervoltage SETPOINT</th>
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<tr>
<td>KVM4</td>
<td>132VAC</td>
<td>Adjustable, 78 to 99VAC</td>
</tr>
<tr>
<td>KVM6</td>
<td>264VAC</td>
<td>Adjustable, 156 to 199VAC</td>
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</table>

If you don’t find the part you need, call us for a custom product 800-843-8848
Specifications

Line Voltage
Type: Single phase
Input Voltage: 110 to 120VAC or 220 to 240VAC
AC Line Frequency: 50/60 Hz
Power Consumption: 2.5W @ 122VAC, 4.5W @ 264VAC
Power Off Reset Time: ≤ 150ms

Undervoltage Detection
KVM4: 78 to 99VAC
KVM6: 156 to 199VAC

Undervoltage Setpoint
KVM4: Fixed at 104VAC
KVM6: Fixed at 209VAC

Repeatability
± 0.5% under fixed conditions
±1% over temperature range

Voltage Sensing Accuracy
±2% at 25°C

Output
Type: Electromechanical relay
Form: SPDT
Rating: 8A resistive @ 120VAC, 1/3 hp @ 120/240VAC
Life: Mechanical - 1 x 10⁶; Electrical - 1x10⁴
LED Indicator: Glows green when output is energized

Protection
Surge: IEEE C62.41-1991 Level A
Circuitry: Encapsulated
Isolation Voltage: ≥ 1500V RMS input to output
Insulation Resistance: ≥ 100 MΩ minimum

Mechanical
Mounting: Surface mount with one #10 (M5 x 0.8) screw
Dimensions: H 50.8 mm (2.0”); W 50.8 mm (2.0”); D 30.7 mm (1.21”)
Termination: 0.25 in. (6.35 mm) male quick connect terminals

Environmental
Operating / Storage: Temperature -25 to 55°C / -40 to 85°C
Humidity: 95% relative, non-condensing
Weight: 2.6 oz (74 g)

Function Diagram

TP = Undervoltage Setpoint
R = Reset Point