







Wiring Diagram



- V = Voltage L = LED S = Undervoltage
- Setpoint
- NO = Normally Open NC = Normally Closed
- C = Common, Transfer Contact

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

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

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

MODEL	MAXIMUM LINE VOLTAGE	UNDERVOLTAGE SETPOINT
KVM4	132VAC	Adjustable, 78 to 99VAC
KVM6	264VAC	Adjustable, 156 to 199VAC

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





Specifications

Line Voltage

Type **Input Voltage AC Line Frequency Power Consumption Power Off Reset Time Undervoltage Detection Undervoltage Setpoint**

KVM4 KVM6 **Undervoltage Reset Point** KVM4 KVM6 Repeatability

Voltage Sensing Accuracy

Output Туре Form Rating Life **LED Indicator** Protection Surge Circuitry

Isolation Voltage Insulation Resistance Mechanical Mounting Dimensions

Termination

Environmental Operating / Storage Temperature Humidity Weight

Single phase 110 to 120VAC or 220 to 240VAC 50/60 Hz 2.5W @ 132VAC; 4.5W @ 264VAC ≤ 150ms

78 to 99VAC 156 to 199VAC

Fixed at 104VAC Fixed at 209VAC ± 0.5% under fixed conditions ±1% over temperature range ±2% at 25°C

Electromechanical relay SPDT 8A resistive @ 120VAC, 1/3 hp @ 120/240VAC Mechanical - 1 x 106; Electrical - 1x105 Glows green when output is energized

IEEE C62.41-1991 Level A Encapsulated ≥ 1500V RMS input to output \geq 100 M Ω minimum

Surface mount with one #10 (M5 x 0.8) screw **H** 50.8 mm (2.0"); **W** 50.8 mm (2.0"); **D** 30.7 mm (1.21") 0.25 in. (6.35 mm) male quick connect terminals

-25 to 55°C / -40 to 85°C 95% relative, non-condensing 2.6 oz (74 g)





TP = Undervoltage Setpoint R = Reset Point