

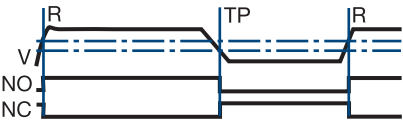


The KVM Series is a single-phase undervoltage monitor designed to protect sensitive equipment against brownout undervoltage conditions. The compact design and encapsulated construction make the KVM an excellent choice for OEM equipment.

For more information see:
Appendix B, page 165, Figure 1 for dimensional drawing.
Appendix C, page 169, Figure 16 for connection diagram.

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.



TP = Undervoltage Setpoint
R = Reset Point

Features:

- Economical single-phase brownout/undervoltage protection
 - Isolated, 8A, SPDT output contacts
 - Protects sensitive 110 to 120VAC or 220 to 240VAC loads
 - Adjustable low voltage trip point
 - LED Indicator
- Approvals:

Auxiliary Products:

- **Quick connect to screw adaptor:**
P/N: P1015-18
- **Female quick connect:**
P/N: P1015-64 (AWG 14/16)
- **DIN rail:** P/N: C103PM (Al)
- **DIN rail adaptor:** P/N: P1023-20

Available Models:

KVM4
KVM6

Order Table:

<u>Undervoltage Setpoint</u>	<u>Maximum Line Voltage</u>	<u>Part Number</u>
78 to 99VAC	132VAC	KVM4
156 to 199VAC	264VAC	KVM6

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 @ 132VAC; 4.5W @ 264VAC
Power Off Reset Time	≤ 150ms
Undervoltage Detection	
Undervoltage Setpoint	KVM4.....78 to 99VAC KVM6.....156 to 199VAC
Undervoltage Reset Point	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 10 ⁶ ; Electrical - 1x10 ⁵
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	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
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)