Single-Phase Voltage Monitor



Model 201-XXX-SP-DPDT

Features:

- Low voltage protection
- Two isolated Form C relays (DPDT)
- Diagnostic LED
- UL508 Listed
- CE Marked
- 8-pin plug in; DIN rail or surface mount
- 5-year warranty
- Made in the USA

The 201-xxx-SP-DPDT is an 8-pin octal-base, plug-in voltage monitor designed to protect single-phase motors regardless of size. The 201-100-SP-DPDT is used on 95-120VAC, 50/60Hz motors to prevent damage caused by low voltage. The 201-200-SP-DPDT is used on 190-240VAC, 50/60Hz motors. The units feature two isolated sets of contacts that are ideal for use with two control circuits with different voltages.

The unique microcontroller-based voltage and voltage-sensing circuit constantly monitors the voltage to detect harmful power line conditions. When a harmful condition is detected, the MotorSaver's output relays are deactivated after a specified trip delay. The output relays reactivate after power line conditions return to an acceptable level and a specified amount of time has elapsed (restart delay). The trip delay prevents nuisance tripping due to rapidly fluctuating power line conditions.



(605) 348.5580 / (800) 843.8848 / Fax (605) 348.5685 customerservice@symcom.com / technicalsupport@symcom.com

Specifications

Functional Characteristics		Enclosure Dimensions
Adjustments/Settings Low Voltage (% of setpoint) Trip Reset Trip Delay Times Low voltage Restart Delay Times After a fault After a complete power loss	90% ±1% 93% ±1% 4 seconds 2 seconds 2 seconds	
Input Characteristics		
Supply Voltage 201-100-SP-DPDT 201-200-SP-DPDT Frequency	95-120VAC 190-240VAC 50/60 Hz (note: 50Hz will increase all delay timers by 20%)	
Output Characteristics		2.375"
Output Contact Rating - DPDT Pilot Duty General Purpose	480VA @ 240VAC 10A @ 240VAC	
General Characteristics		
Operating Temperature (Surrounding Air) Maximum Input Power Relative Humidity Terminal Torque Wire Gauge Standards Passed Electrostatic Discharge (ESD) Radio Frequency Immunity (RFI), Radiated Fast Transient Burst Surge Immunity IEC ANSI/IEEE Hi-potential Test Safety Marks UL listed (OT08 octal socket required) CE Dimensions Weight Mounting Method	-40° to 70° C (-40° to 158° F) 5 W 10-95%, non-condensing per IEC 68-2-3 12 inIbs. 12-22 AWG Solid or stranded IEC 61000-4-2, Level 3, 6kV contact, 8kV air 150MHz, 10V/m IEC 61000-4-4, Level 3, 3.5 kV input power and controls IEC 61000-4-5, Level 3, 4kV line-to-line; Level 4, 4kV line-to- ground C62.41 Surge and Ring Wave Compliance to a level of 6kV line-to-line Meets UL508 (2 x rated V + 1000V for 1 minute) UL508 (File #E68520) IEC 60947-6-2 1.75″ H x 2.375″ W x 4.125″ D (with socket) 9 oz. Plugs into 8-Pin OT08 Socket (DIN rail or surface mount)	

SIDE WITH OT08* SOCKET

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How to order:

Part Number: 201-100-SP-DPDT 201-200-SP-DPDT



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