

201-XXX-SP-DPDT SERIES

Single-phase voltage/phase monitor

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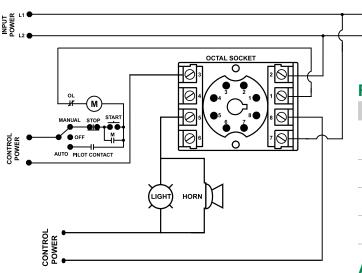
Description

The 201-xxx-SP-DPDT Series 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.

Must use Model OT08PC socket for UL Rating!

Note: Manufacturer's recommended screw terminal torque for the RB Series and OT Series Octal Sockets is 12 in.-lbs.



Features & Benefits

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FEATURES	BENEFITS	
Proprietary microcontroller based circuitry	Constant monitoring of voltage to detect harmful power line conditions, even before the motor starts	
Fixed trip delay 4s	Prevents nuisance tripping due to rapidly fluctuating power line conditions	
Advanced LED indication	Provides diagnostics which can be used for troubleshooting and to determine relay status	
Compact design for 8-pin; DIN rail or surface mount	Allows flexibility in panel installation	

Accessories



OT08PC 8-pin Octal Socket

Octal Socket for plug-in units. 8-pin surface & DIN rail mountable. Rated for 10A @ 600VAC.

Ordering Information

MODEL	INPUT VOTAGE	DESCRIPTION
201-100-SP-DPDT	95-120VAC	Two isolated Form C relays
201-200-SP-DPDT	190-240VAC	Two isolated Form C relays

Wiring Diagram

201-XXX-SP-DPDT SERIES



Specifications

Input Characteristics

Line Voltage: 201-100-SP-DPDT 201-200-SP-DPDT Frequency

Functional Characteristics

Low Voltage (% of setpoint): Trip Reset Trip Delay Times: Low Voltage Restart Delay Times: After a Fault or Complete Power Loss

Output Characteristics

Output Contact Rating (DPDT) Pilot Duty General Purpose General Characteristics Ambient Temperature Range: Operating Storage

Maximum Input Power Relative Humidity 95-120VAC 190-240VAC 50/60Hz

90% +/-1% 93% +/-1%

4 seconds

2 seconds

480VA @ 240VAC 10A @ 240VAC

-20° to 70°C (-4° to 158°F) -40° to 80°C (-40° to 176°F) 5 W 10-95%, non-condensing per IEC 68-2-3

Standards Passed

 Electrostatic Discharge (ESD)
 IEC 61000-4-2, Level 3, 6kV contact, 8kV air

 Radio Frequency Immunity,
 ISOMHz, 10V/m

 Fast Transient Burst
 IEC 61000-4-4, Level 3, 3.5kV input power and controls

Safety Marks UL (OT08PC octal socket required) CE Dimensions

Weight Mounting Method

Socket Available

EC 61000-4-4, Level 3, 3.5kV input power and controls

UL508 (File #E68520) IEC 60947-6-2 H 44.45 mm (1.75"); W 60.325 mm (2.375"); D 104.775 mm (4.125") (with socket) 0.65 lb. (10.4 oz., 294.84 g) DIN rail or surface mount (plug in to OT08PC socket) Model OT08PC (UL Rating 600V)

The 600V socket can be surface mounted or installed on DIN Rail