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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 201-XXX-SP-DPDT SERIES

Single-phase voltage/phase monitor



### Description

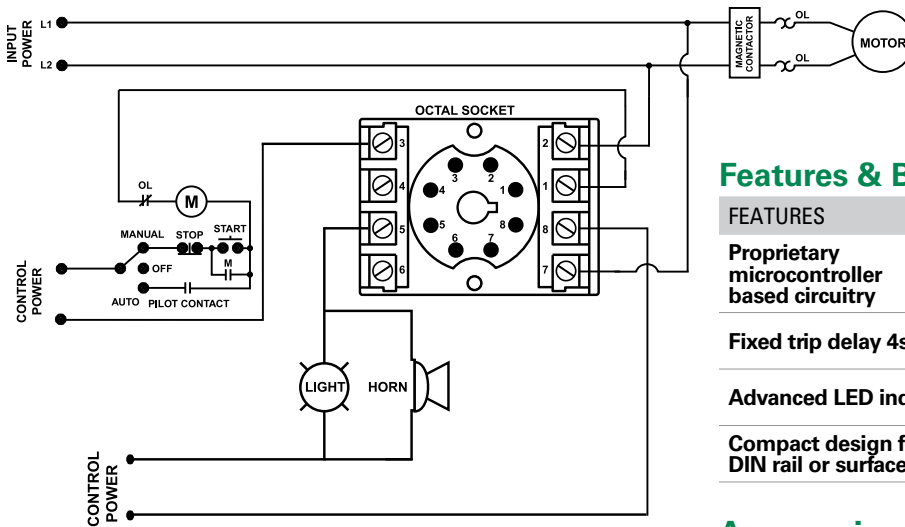
The 201-xxx-SP-DPDT Series is an 8-pin octal-base, plug-in voltage monitor designed to protect single-phase motors regardless of size. The 201-100-SP-DPDT is used on 95-120VAC, 50/60Hz motors to prevent damage caused by low voltage. The 201-200-SP-DPDT is used on 190-240VAC, 50/60Hz motors. The units 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.

### Wiring Diagram



### Features & Benefits

FEATURES	BENEFITS
<b>Proprietary microcontroller based circuitry</b>	Constant monitoring of voltage to detect harmful power line conditions, even before the motor starts
<b>Fixed trip delay 4s</b>	Prevents nuisance tripping due to rapidly fluctuating power line conditions
<b>Advanced LED indication</b>	Provides diagnostics which can be used for troubleshooting and to determine relay status
<b>Compact design for 8-pin; DIN rail or surface mount</b>	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 VOLTAGE	DESCRIPTION
201-100-SP-DPDT	95-120VAC	Two isolated Form C relays
201-200-SP-DPDT	190-240VAC	Two isolated Form C relays

## 201-XXX-SP-DPDT SERIES

### Specifications

#### Input Characteristics

##### Line Voltage:

<b>201-100-SP-DPDT</b>	95-120VAC
<b>201-200-SP-DPDT</b>	190-240VAC
<b>Frequency</b>	50/60Hz

#### Functional Characteristics

##### Low Voltage (% of setpoint):

<b>Trip</b>	90% +/-1%
<b>Reset</b>	93% +/-1%

##### Trip Delay Times:

<b>Low Voltage</b>	4 seconds
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##### Restart Delay Times:

<b>After a Fault or Complete Power Loss</b>	2 seconds
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#### Output Characteristics

##### Output Contact Rating (DPDT)

<b>Pilot Duty</b>	480VA @ 240VAC
<b>General Purpose</b>	10A @ 240VAC

#### General Characteristics

##### Ambient Temperature Range:

<b>Operating</b>	-20° to 70°C (-4° to 158°F)
<b>Storage</b>	-40° to 80°C (-40° to 176°F)

<b>Maximum Input Power</b>	5 W
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<b>Relative Humidity</b>	10-95%, non-condensing per IEC 68-2-3
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#### Standards Passed

<b>Electrostatic Discharge (ESD)</b>	IEC 61000-4-2, Level 3, 6kV contact, 8kV air
<b>Radio Frequency Immunity, Radiated</b>	150MHz, 10V/m
<b>Fast Transient Burst</b>	IEC 61000-4-4, Level 3, 3.5kV input power and controls

#### Safety Marks

##### UL (OT08PC octal socket required)

UL508 (File #E68520)

##### CE

IEC 60947-6-2

#### Dimensions

**H** 44.45 mm (1.75"); **W** 60.325 mm (2.375");  
**D** 104.775 mm (4.125") (with socket)

#### Weight

0.65 lb. (10.4 oz., 294.84 g)

#### Mounting Method

DIN rail or surface mount  
(plug in to OT08PC socket)

#### Socket Available

Model OT08PC (UL Rating 600V)

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