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

**FEATURES**

- Proprietary microcontroller based circuitry
- Fixed trip delay 4s
- Advanced LED indication
- Compact design for 8-pin; DIN rail or surface mount

**BENEFITS**

- Constant monitoring of voltage to detect harmful power line conditions, even before the motor starts
- Prevents nuisance tripping due to rapidly fluctuating power line conditions
- Provides diagnostics which can be used for troubleshooting and to determine relay status
- 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

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<th>MODEL</th>
<th>INPUT VOLTAGE</th>
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<td>95-120VAC</td>
<td>Two isolated Form C relays</td>
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<tr>
<td>201-200-SP-DPDT</td>
<td>190-240VAC</td>
<td>Two isolated Form C relays</td>
</tr>
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</table>
## Specifications

### Input Characteristics

**Line Voltage:**
- **201-100-SP-DPDT**: 95-120VAC
- **201-200-SP-DPDT**: 190-240VAC

**Frequency**: 50/60Hz

### Functional Characteristics

**Low Voltage (% of setpoint):**
- **Trip**: 90% ±1%
- **Reset**: 93% ±1%

**Trip Delay Times:**
- **Low Voltage**: 4 seconds

**Restart Delay Times:**
- **After a Fault or Complete Power Loss**: 2 seconds

### Output Characteristics

**Output Contact Rating (DPDT)**
- **Pilot Duty**: 480VA @ 240VAC
- **General Purpose**: 10A @ 240VAC

### General Characteristics

**Ambient Temperature Range:**
- **Operating**: -20° to 70°C (-4° to 158°F)
- **Storage**: -40° to 80°C (-40° to 176°F)

**Maximum Input Power**: 5 W

**Relative Humidity**: 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, Radiated**
- 150MHz, 10V/m

**Fast Transient Burst**
- 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