**Voltage Sensing Relay**

The PSR is a user adjustable voltage sensing relay. Electrically isolated, non-polarised and bi-directional, features previously unheard of in any other solid state relay devices. Additionally the PSR has the major benefit of being able to change from normally open or normally closed, all literally, at the touch of a button.

<table>
<thead>
<tr>
<th>Models</th>
<th>NOM. VOLTAGE</th>
<th>INPUT VOLTAGE</th>
<th>CONTINUOUS RATING</th>
<th>PEAK RATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSR12150</td>
<td>12VDC</td>
<td>9-18VDC</td>
<td>150 Amps @ 50°C</td>
<td>500 Amps – 10 Secs</td>
</tr>
<tr>
<td>PSR24150</td>
<td>24VDC</td>
<td>16-38VDC</td>
<td>150 Amps @ 40°C</td>
<td>500 Amps – 10 Secs</td>
</tr>
</tbody>
</table>

**Specifications**

- **Application Voltage**: 12VDC System
- **Operating Voltage Sensing**: 9VDC - 18VDC
- **Operating Voltage Switching**: 33VDC Maximum
- **Continuous Contact Rating**: 150 Amps Maximum (rated @ 50°C)
- **Momentary Contact Rating**: 500 Amps DC for 10 seconds @ 10% duty cycle
- **Contact State**: User selectable, normally open or closed
- **Environmental Protection**: IP67 (internal components only)
- **Electrical Protection**: Thermal Overload shutdown – auto reset
  Low Voltage – disconnect
- **Standby Current Draw (with display ON)**: 10mA @ 13.5VDC and 23mA @ 27.0VDC
  35mA @ 13.5VDC and 55mA @ 27.0VDC
- **Operating Temperature**: -25°C to +70°C (note continuous rating above)
- **Standby Current Draw**: Equal to input voltage to 200mA maximum
- **Alarm Output Signal**: Ideally should not exceed 95%
- **Environmental Protection**: E-coated A360 (ADC 3) die cast aluminium
- **Enclosure Cover and Terminal Protector**: Injection moulded electrical grade ABS/PC
- **Load Terminals**: Tin plated copper stud, stainless hardware. M8
- **Control Terminals**: Tin plated brass contact, stainless hardware. M3
- **Dimensions**: Footprint – 86mm x 97mm overall
  Profile – 81.5mm (including terminal cover)
- **Weight**: 505 Grams

**Length** | **Width** | **Height**
--------- | -------- | ---------
97mm     | 86mm    | 81.5mm   