

## **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.

Application Voltage Operating Voltage

Continuous Contact Rating Momentary Contact Rating Contact State Environmental Protection Electrical Protection

Standby Current Draw
Standby Current Draw
(with display ON)
Operating Temperature
Alarm Output Signal
Operating Humidity
Enclosure Housing
Enclosure Cover and
Terminal Protector
Load Terminals
Control Terminals
Dimensions

Weight

12VDC System / 24VDC System

Sensing: 9VDC Minimum, 38VDC Maximum

Switching: 33VDC Maximum

150 Amps Maximum (rated @ 40°C)

500 Amps DC for 10 seconds @ 10% duty cycle

User selectable, normally open or closed To IP67 (internal components only)

Thermal Overload shutdown - auto reset

Low Voltage – disconnect

10mA @ 13.5VDC and 23mA @ 27.0VDC 35mA @ 13.5VDC and 55mA @ 27.0VDC

Ideally -25°C to +50°C

Equal to input voltage to 200mA maximum

Ideally should not exceed 95%

E-coated A360 (ADC 3) die cast aluminium Injection moulded electrical grade ABS/PC

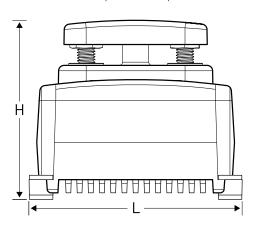
Tin plated copper stud, stainless hardware. M8
Tin plated brass contact, stainless hardware. M3
Footprint – 86mm x 97mm overall

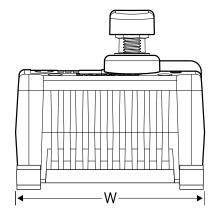
Profile - 81.5mm (including terminal cover)

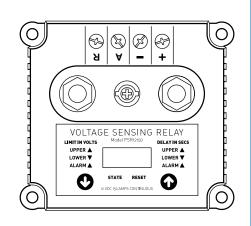
505 Grams

	MODEL	NOM. VOLTAGE	INPUT VOLTAGE	CONTINUOUS RATING	PEAK RATING
Models	PSR12150	12VDC	9-38VDC	150 Amps @ 40°C	500 Amps – 10 Secs
	PSR24150	24VDC	9-38VDC	150 Amps @ 40°C	500 Amps – 10 Secs

Length	Width	Height	
97mm	86mm	81.5mm	







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