

Overview

Voltage sensing relays have existed in one form or another for many years. They are commonly used to automatically replace the traditional manual process of controlling the charge function between batteries or battery banks, thus eliminating the risk of over/under charging.

interVOLT takes this process to a whole new level. The innovative design of the interVOLT PSR replaces traditional electro-mechanical relay devices used in 12/24 Volt DC applications by removing all mechanical parts to produce a completely solid state product with a myriad of added features.

In short, the PSR is a user adjustable voltage sensing relay in terms of voltage and time delay parameters. It allows the user to choose the voltage they want for switching loads on and off rather than be restricted to settings dictated by manufacturers. The time delay allows the relay to activate only after a user specified time to prevent cyclic (threshold) switching. In addition the PSR is electrically isolated (contact to load), 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.

Features

- Completely solid state, no moving parts to wear or fail.
- Available in 12 or 24 VDC at 150 Amps continuous rating.
- Fully programmable interface for voltage and time delay.
- User configurable for normally open or closed switching.
- Load contacts are bi-directional and not polarity conscious.
- Switched circuit cannot backfeed due to isolated design.
- Complete DC-DC isolation between control and load circuits.
- Alarm output for remote monitoring of voltage condition.
- Electronics are enclosed in dust and water proof housing.
- Over temperature protection with automatic shutdown.
- Separate connection for emergency override or control.
- 24 months warranty (subject to policy terms and conditions).

Voltage Sensing Relays

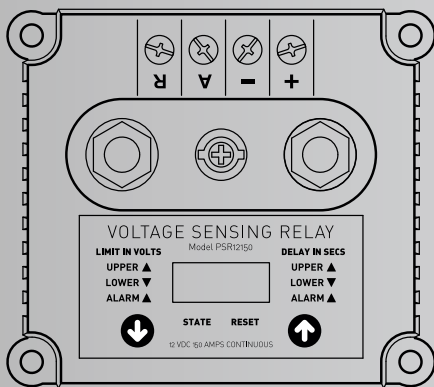
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Models

| MODEL | NOM. VOLTAGE | INPUT VOLTAGE | CONTINUOUS RATING | PEAK RATING |
|----------|--------------|---------------|-------------------|--------------------|
| PSR12150 | 12VDC | 9-18VDC | 150 Amps @ 50°C | 500 Amps – 10 Secs |
| PSR24150 | 24VDC | 16-38VDC | 150 Amps @ 40°C | 500 Amps – 10 Secs |

Dimensions



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

