

VS12 & VS24

Voltage Sense Relays

REDARC



Features

- User adjustable 9-16V (18-35V)
- Change over type relay

Connections

RED WIRE	Supply/monitoring input
BLACK WIRE	Negative ground
WHITE WIRE	Relay common
GREEN WIRE	Relay normally closed
BLUE WIRE	Relay normally open

Description

The Redarc Voltage Sensors are used to monitor the 12V or 24V supply in an automotive system. Depending on the voltage, the internal relay switches its common contact to either the normally closed contact or the normally open contact. These contacts are connected to the WHITE, GREEN and BLUE wires respectively. When the voltage rises above the set point, the 10A internal relay is energized. This disconnects the WHITE wire from the GREEN wire and connects it to the BLUE wire. When the voltage falls below the set point the internal relay is de-energised. This disconnects the WHITE wire from the BLUE wire and connects it to the GREEN wire. The unit also features hysteresis at the level described in the table below. Hysteresis has been used in this unit to stop 'chattering' of the relay contacts.

General Specifications

MODEL	VS12	VS24
Supply Voltage	12V	24V
Sensing Range	9.0-16.0V	18.0-35.0V
Hysteresis	0.7V	1.5V
Output Current Rating	10A	10A
Dimensions	75x30x24mm	75x30x24
Weight	70g	70g
Warranty	2 years	2 years
Factory Settings	12.7V ON, 12V OFF \pm 0.2V	25.2V ON, 24V OFF \pm 0.2V

FREE TECHNICAL ASSISTANCE contact Redarc Electronics
Ph (08) 8322 4848, Fax (08) 8387 2889
or Email power@redarc.com.au
Specifications are subject to change without notification.