



V21300 28V System Voltage Monitor Low-Over Voltage Sensor with OV Protected Output.

Features:

- Low Voltage (LV) Sensor & Warning
- Over-Voltage (OV) Sensor & Warning
- Protected OV Load Output (POV)

Benefits:

- * Conserve power & land¹
- * Preserve equipment from OV damage¹
- * Protect connected load from OV damage

Low Voltage Warning: 24.8V \pm 0.6V. Max Current Sink: 0.2A

Over-Voltage Protected Load Trip: 32.0V \pm 0.8V. Max Current Source: 0.2A

Over Voltage Warning: 32.0V \pm 0.8V. Max Current Sink: 0.2A

Storage/Operating Temperature: -50^oF to 125^oF. Weight: 0.3 lb Max

¹ Requires action from pilot or system operator / design to turn off equipment or loads

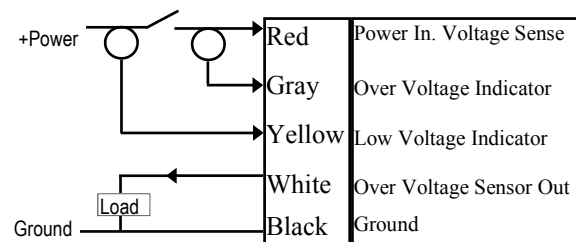
DESCRIPTION & HOW THE SYSTEM WORKS

The V21300 System Voltage Monitor (SVM) is a voltage sensor that provides Low Voltage and Over Voltage Warning, as well as Over Voltage Protected Load output.

LV Warning: With power applied to the SVM, if the monitored voltage drops below a preset level, the light connected to the Yellow (LV) wire will illuminate. The SVM provides ground to the light at LV fault. When the monitored voltage exceeds the LV level, the light will extinguish.

OV Warning: If the bus or monitored voltage rises above the preset OV level, the light connected to the White (OV) wire will illuminate. The SVM provides ground to the light at OV fault. The OV light will remain on until the power to the Red wire is removed or dropped below 5V.

Protected OV Load Output: The POV output provides (sources) power to the connected load. If OV fault occurs, the OV sensor will remove power from this output and any load connect to the POV output. The load will remain off until the power to the Red wire is removed or dropped below 5V.



INSTALLATION INSTRUCTION

1. Connect the Red wire to the 1A or 2A breaker/switch as shown
2. Connect the Gray and Yellow wires to the LV and OV lights
3. If required connect the optional White wire to the OV protect load.
4. Securely tie wrap the SVM.

For 12V systems, use the V11300

We manufacture Alternator & Generator Controllers that combine Voltage Regulation with OV Protection, Low Voltage Sensor/Warning and other functions.