

Snaptec Voltage Monitor - SVM1



Voltage Monitor for 12V/24V/48V Systems

Specifications

The Snaptec Voltage Monitor SVM1 provides an off-the-shelf solution for monitoring 12, 24 and 48 VDC power supply systems.

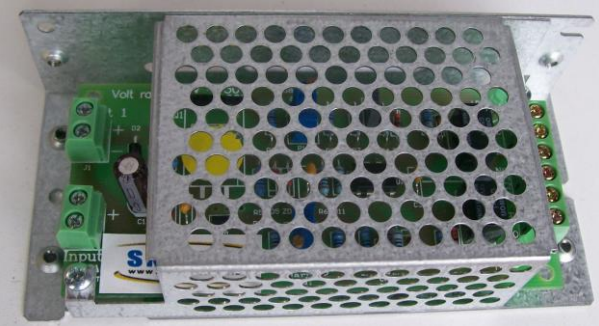
It will accept two input DC supplies and will provide two alarms which can be set between 10V - 32V or 20V - 60V to monitor an under voltage or DC fail condition of a DC supply.

The two alarms are available for external signalling via two relays with change-over contacts. COM. NO. NC.

Two LED's are also available and are used for visual indication of DC supply status.

Typical applications include the monitoring of any DC power supply, in particular the monitoring of two power supplies that are connected in n+1 redundancy (via external diodes).

It can also be used in battery back-up systems, with input **A** for example used to monitor the float voltage of the system and input **B** used to monitor a low level, such as battery low condition.



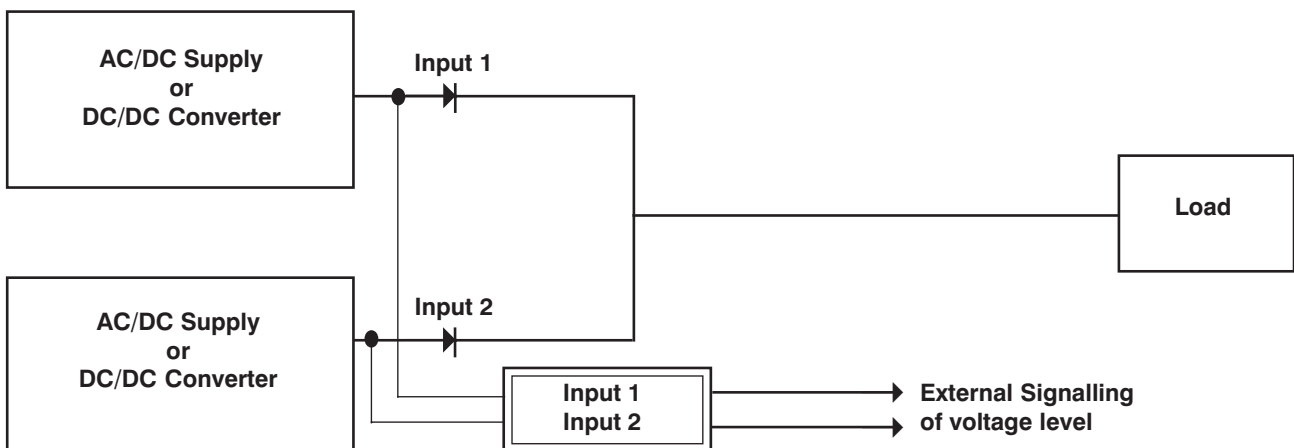
Features

- DC input options: 12V, 24V and 48V
- Two voltage monitors with LED
- Status available via relay change over contacts
- Each Channel can be set to monitor any under voltage condition between 10 - 32V or 20 - 60V
Model: **SVM1-1224**: 10~32V
Model: **SVM1-2448**: 20~60V
- Easy panel mount package with screw terminals
- Suitable for a wide range of applications
- Case dimensions: 125 x 57 x 32mm

Notes:

1. Connect the two DC inputs (+VE & -VE) to the respective alarm card input terminals.
2. Each monitor can be set to monitor an under voltage condition of the respective power supply.
3. Set the monitoring voltage 0.05V - 1.0V below the nominal voltage of the power supply.

Input 1 +VE -VE	SVM1 PCB	Alarms 1 & 2 NC NO COM
Input 2 +VE -VE		NC NO COM



Typical connection diagram with two power supplies connected for n + 1 redundancy