

PERTRONIC INDUSTRIES LTD

DATASHEET

Voltage Monitor Boards (VMB-12V) (VMB-24V)

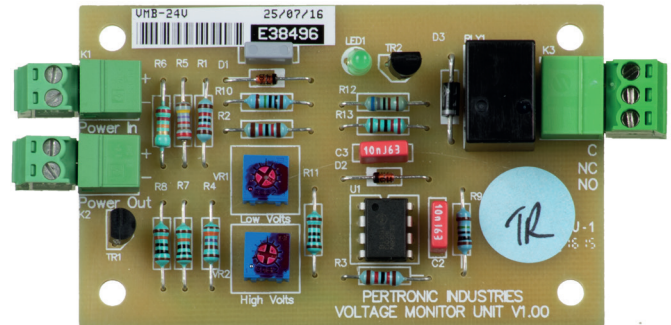


Overview

Pertronic Voltage Monitor Boards are designed for monitoring DC power supplies. They are intended for use with any appropriate power supply, including power supplies obtained from other suppliers.

The voltage monitor board has a relay for signalling a fault condition to a fire alarm control panel. The relay is normally energised and will deactivate if the power supply voltage goes outside the normal range. An LED on the voltage monitor board lights up if the voltage is within the normal range.

The VMB-12V is designed for use in 12 volt (nominal) systems. The VMB-24V is for use in 24 volt systems.



Pertronic Voltage Monitor Board

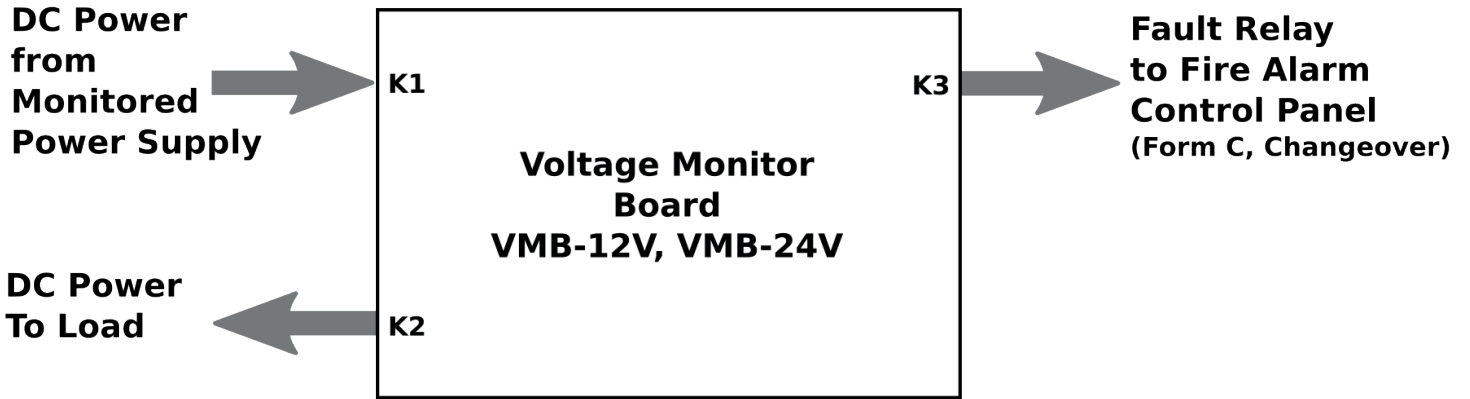
Features

- » Voltage monitoring for power supplies
- » Indicator LED goes out if voltage goes outside normal range
- » Defect relay (form C normally activated) provides remote fault indication
- » Generates a fault indication on high or low voltage

Specification

	VMB-24V	VMB-12V
Normal Voltage Range	24 Vdc to 28 Vdc	12 Vdc to 14 Vdc
High Voltage Threshold	28 Vdc	14 Vdc
Low Voltage Threshold	24 Vdc	12 Vdc
Input Voltage (K1)	24 Vdc nominal	12 Vdc nominal
Output Voltage (K2)	24 Vdc	12 Vdc
Defect Relay Contacts (K3)	1 A 30 Vdc (resistive) change over (form C)	
PCB Dimensions (L x W x D mm)	97 x 48 x 13	

Connection Diagram



Ordering Information & Notes

Product Code	Description
VMB-12V	Voltage Monitor Board 12 volt
VMB-24V	Voltage Monitor Board 24 volt

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

All information in this document is subject to change. Please consult Pertronic Industries or visit our web site for up to date information.

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