

CVR12 & CVR24

DC Voltage Monitoring Units



- Battery under voltage relay
- Battery over voltage relay
- Delay on under voltage
- 11 Pin relay format
- Monitors its own supply

Description

BATTERY / DC VOLTAGE MONITORING UNITS 11 PIN PLUG-IN TYPE

These units have been configured to monitor the voltage of their own DC supply. They are particularly suited to applications where an auxiliary supply is either unavailable or undesirable. For instance, when monitoring the float voltage of a standby battery system.

The trip levels are factory set at the customer specified levels.

Each unit contains 2 single pole change-over relays, one for under voltage and one for over voltage. The under voltage relay can be delayed for 0-300 seconds, and de-energizes on fault. The over voltage relay has no delay and energizes on fault.

Under Voltage

If the voltage falls below the low voltage set point, the override delay timer is activated. Failure of the voltage to rise above the set point for the duration of the timer will cause the under voltage relay to de-energize indicating a fault. The relay will remain de-energized until the voltage rises above the set point.

Over Voltage

If the voltage rises above the high voltage set point, the high voltage relay will energize. The relay will remain energized until the voltage drops below the high voltage set point.

Product Specification

Power Supply:

Nominal Operating Voltages	9-32V,DC
Loss Of Control & Time Delay	4V,DC on 12V,DC system 8V,DC on 24V,DC system

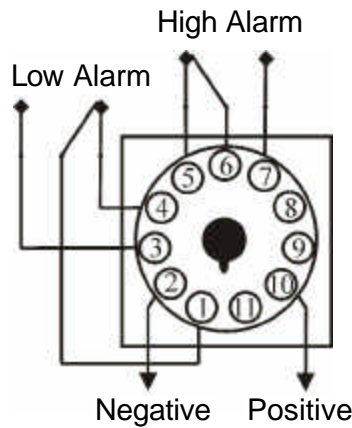
Relays:

Relay Type	2 x volt free SPDT contacts over relay - energized on fault under relay - de-energized on fault
Contact Rating	1A @ 30V,DC (resistive load)

General:

Operating Temperature	-10 to +55°C
Overall Dimensions	50 x 50 x 41mm (1.96" x 1.96" x 1.6")
Weight	0.1Kg (0.2lbs)
EMC Emission / Immunity	EN 58801-2 / EN50082-2

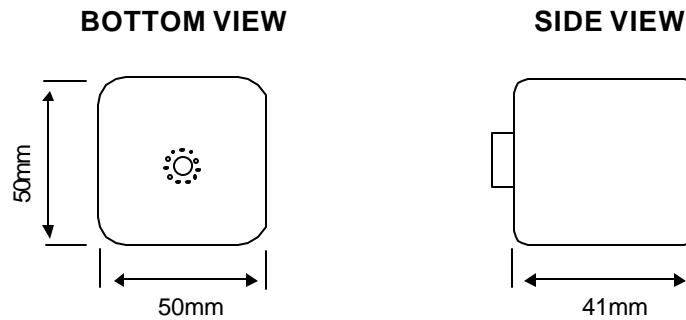
Electrical connection



The contacts are shown in an “off the shelf” (or de-energized) condition. The Negative and Positive contacts (2 and 10) are for either supply or sensing operation.

Please note volt free relays are rated at 1 amp @ 30VDC or 120V,AC.

Dimensions



How to order

When ordering, please specify -

PRODUCT	Nominal Input V,DC	
	12	24
CVR12	•	
CVR24		•

CODE	UNDER VOLTAGE TRIP POINT RANGE	
	12V	24V
	U*	9-16V
U*	•	•

CODE	OVER VOLTAGE TRIP POINT RANGE	
	12V	24V
	O*	9-16V
O*	•	•

CODE	UNDER VOLTAGE TIME DELAY IN SECONDS
	S*
	* Please specify

CODE	OPTIONS FOR DIN RAIL MOUNTING
	PB
	•

Product **Under volts** **Over volts** **Time Delay** **Option**

* = Items marked with a * must be specified to enable us to complete your order.

Insert option when required, if no options are required, leave empty.

CVR12 U11.5 O14.5 S120

The above example shows the order code for a 12V,DC input relay, with under volts set at 11.5V,DC and over volts set at 14.5V,DC, and a time delay on under voltage of 120 seconds.

	North American Distributor - PC & S / Panel Components & Systems, Inc. 149 Main Street 213 Jespersen Avenue 8539 Monroe Road (Suite 104) Stanhope Spruce Grove Charlotte New Jersey Alberta North Carolina 07874 T7X 2J1 28212 Phone (800) 523 9194 Phone (877) 962 0557 Phone (704) 535 3357 Fax (973) 448 1674 Fax (780) 962 0557 Fax (704) 535 6288	
--	---	--