

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 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 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.

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 relay to de-energize. 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.

Warranty

A one year limited warranty on materials and workmanship is given with this product. Details are available upon request.

Product Specification

Power Supply:

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

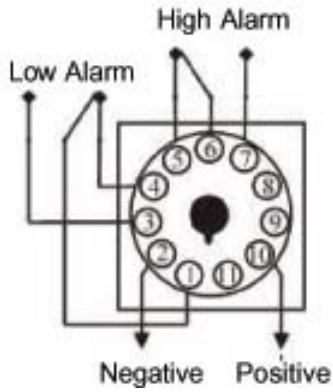
Relays:

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	14 to +131°F (-10 to +55°C)
Overall Dimensions	1.97" x 1.97" x 1.61"
Weight	0.22 lbs.
EMC Emission / Immunity	EN58801-2 / EN50082-2

Electrical connection

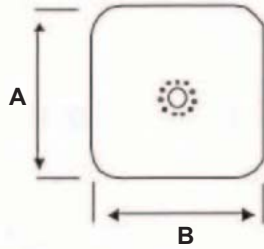


The contacts are shown in an "off-the-shelf" (or de-energized) condition. The Negative and Positive contacts (2 and 10) are for either supply or sensing operation.

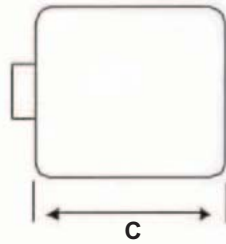
Please Note: Volt-free relays are rated at 1 amp @ 30V,DC or 120V,AC.

Dimensions

Bottom View



Side View



	A	B	C
CVR12 and CVR24	1.97" (50 mm)	1.97" (50 mm)	1.61" (41 mm)

How to Order *When ordering, please specify --*

Product	Nominal Input V,DC	
	12	24

	UNDER VOLTAGE
	TIME DELAY (in seconds)
	0 - 300 seconds
	Specify duration / interval

	UNDER VOLTAGE TRIP POINT	
	RANGE	
	12V 9-16V	24V 18-32V
U*	Specify trip point	
U*		Specify trip point


	OVER VOLTAGE TRIP POINT	
	RANGE	
	12V 9-16V	24V 18-32V
O*	Specify trip point	
O*		Specify trip point

Product	Under Volts	Over Volts	Time Delay
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* = Enter duration intervals for these items to complete your order.

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, with a time delay on under voltage of 120 seconds.

 <p>www.pc-s.com</p>	<i>For more information and certifications, please contact:</i> Panel Components & Systems, Inc. ■ Phone: (800) 523-9194		
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