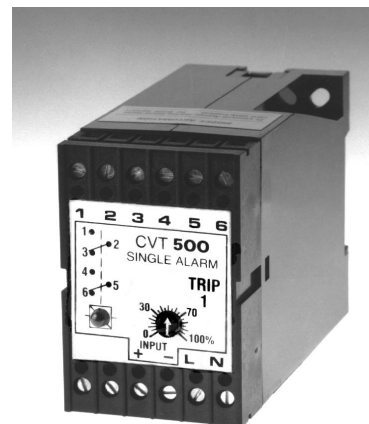


CVT500, CVT500-2, CVT501, CVT501-2



**DC AND AC CURRENT AND VOLTAGE TRIPS
GENERAL PURPOSE, DIN RAIL TYPE**

The CVT500/501 is a range of general purpose signal monitoring and trip relays. Each unit is enclosed in a compact DIN rail mounted case.

The units may be configured for use with a wide variety of sources and sensors. Applications include the monitoring of voltage and current levels, pressure and fluid level transmitters, thermocouples and earth leakage signals.

The CVT500 is designed to monitor DC input signals, while the CVT501 accepts AC inputs. When powered up, the CVT compares the measured input signal with the trip value (as set by the user on a front facia potentiometer) and operates its internal trip relay accordingly. The CVT may be supplied so the relay de-energises on either a high or low input signal (with respect to the trip point).

The trip point potentiometer is screwdriver adjustable. Each pot. has 0 - 100% scale, representing a customer specified range: common ranges include 0–5mA, 4–20mA 0–250 mA, 0–5 V and 0–10V. The CVT500 may also be configured for use with J or K type thermocouple inputs, with trip ranges of 0–200°C, 300°C, 400°C and 800°C.

The output on standard, single input units is by volt free, two-pole change-over relay contacts. A front facia LED indicates when the relay is energised.

Dual versions of the CVT are also available (the CVT500-2 and CVT501-2). These comprise two independent CVT circuits in one standard DIN case, each with its own trip point adjustment, relay output and LED indicator. The outputs on dual units are via single pole change-over relays.

All units are powered from an auxiliary AC supply, nominal voltage 110 or 230 VAC (customer to specify).

For DC or battery monitoring (DC powered) DIN rail trips, please see data sheet M060401 (CVT502, 506 and 508).

Standard Units:–

- CVT500** DC input trip relay, DPCO relay contacts
- CVT500-2** Dual version of above, SPCO relay contacts for each input channel
- CVT501** AC input trip relay, DPCO relay contacts
- CVT501-2** Dual version of above, SPCO relay contacts for each input channel

Variations on the above units are also available - please contact our sales office with your requirements.

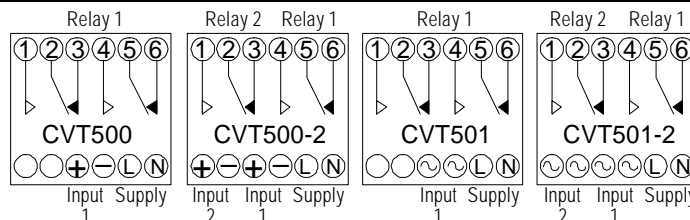
When ordering, please specify:–

- a) Product type number
- b) Power supply voltage
- c) Input voltage or current range,
or thermocouple type and temperature range
- d) Relay de-energisation on high or low input

Product Specifications

	CVT500	CVT500-2	CVT501	CVT501-2
Power supply:				
operating voltage	100 – 125 VAC or 200 – 250 VAC			
power consumption	< 4 VA	< 8 VA	< 4 VA	< 8 VA
Input:				
signal/trip ranges	various scales in the ranges:			
	5 mV to 150 V DC		5 V to 200 V AC	
	1 mA to 5 A DC		1 mA to 5A AC	
sensitivity	0.05 mV		50 mV	
Relay output contacts:	DPCO	2 x SPCO	DPCO	2 x SPCO
	all contacts rated 5 A max. @ 240 V AC1 2 x 10 ⁵ operations			
General:				
operating temp.	–10 to +55 °C			
approximate weight	202 g	370 g	202 g	370 g

Connection



Relays shown de-energised

Dimensions

