

CVT502, CVT506

DC/Battery Voltage Trip Relays



- **DC/battery voltage monitoring, 12 or 24V**
- **Adjustable trip level**
- **Compact DIN rail/ surface mount case**

Description

These units are similar to the CVT500 series of general purpose trip relays, but have been adapted to monitor the voltage of their own DC supply. The trips are suited to applications where an auxiliary supply is either unavailable or undesirable, for instance when monitoring the float voltage of an engine or standby generator battery supply.

Each unit incorporates a two pole change-over relay with volt-free contacts. The relay de-energises when the supply/input voltage falls below the trip level, as set by the user on a screwdriver adjustable potentiometer in the front facia. The front facia also features an LED indicator which lights when the relay is energised (when the input voltage is above the trip level).

Electrical connection is via screw terminals in the case front, for use with stripped wires or narrow blade crimps. The CVT uses a compact, robust polycarbonate case, designed for DIN rail or surface mounting.

Warranty

A two year limited warranty on materials and workmanship is given with this Murphy product. Details are available on request and are packed with each unit.

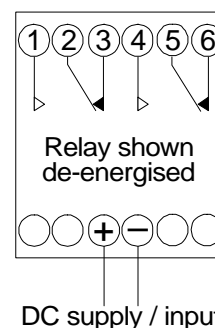
How to Order

| Stock number | Model - description |
|--------------|-------------------------------------|
| 41.70.0007 | CVT502 - DC voltage relay, 18 – 32V |
| 41.70.0040 | CVT506 - DC voltage relay, 9 – 16V |

Specification

| | CVT502 | CVT506 |
|--|--|-----------------|
| Power supply: operating voltage, VDC power consumption, W | 18 – 40 < 0.15 | 9 – 20 < 0.3 |
| Control: trip adjustment range, VDC | 18 – 32 | 9 – 16 |
| Relay output: | DPDT volt free contacts rated 5A max. @ 240V AC (resistive load) 2 x 10 ⁵ operations | |
| General: operating temperature weight dimensions (w x h x d) | -10 to +55°C approx. 210 g 50 x 75 x 110 mm | |

Connection



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