CTA-24/230V HIGH TEMPERATURE ALARM
with 2 adjustable alarm temperatures and multi-voltage: 24V AC/DC and 230V AC.

CE

## TECHNICAL DATA

Supply voltage:	24V AC ±10%, 24V DC ±5% and 230V AC ±10% 50-60 Hz
Relay outputs:	250V ~ 5 A resistive loading, potential-free alternating
Power consumption:	4W
Temperature range:	-99 to +600°C
Ambient temperature:	0 to +40°C
Selectable temp.sensors:	Pt1000 (factory setting), Pt100, Ni1000, NTC (Calectro type: 22/33/44/55/99) and PTC (Calectro type: 95)

Temperature range for different sensor types:

Pt1000:	-99 to +600°C
Pt100:	-99 to +600°C
NTC:	-10 to +125°C
PTC:	-25 to +110°C
NI1000:	-30 to +125°C
Installation:	DIN rail, Norm-enclosure
Dimensions WxHxD:	52.5 x 86 x 59 mm
Weight:	240 g.
Enclosure class:	IP20

DIMENSIONS
(mm)
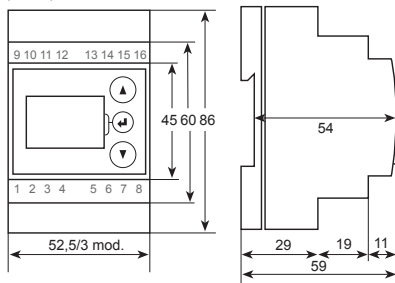
WIRING DIAGRAM
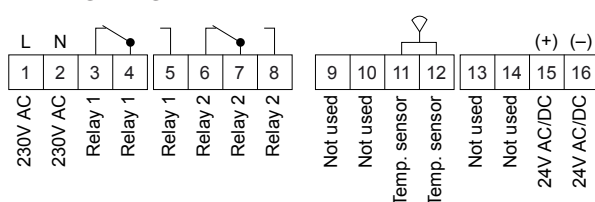
The relay outputs are shown in alarm/ no power on condition. Max 5A, 250V

FEATURES

- **Multi-voltage 24V AC/DC and 230V AC.**
- **Very easy configuration**
- **Backwards-compatible with Calectro's high temperture alarms**
- **2 alternating potential-free relays**
- **Display**
- **Built-in timer function**
- **Fine-adjustment of the temperature measurement**

FUNCTION

CTA can be supplied with 24V AC/DC via terminal 15-16 or 230V AC via terminal 1-2. CTA has two alternating potential-free relay outputs (5A, 250V).

During start-up and when replacing a temperature sensor CTA conducts a self-test. Three bars blink at the lower part of the display. Once the self-test has finished the actual temperature will be displayed. In the case of temperature sensor interruption the code Er0 is displayed and in the case of short-circuit Er1 is displayed.

The alarm reference values for relay 1 are shown in the upper left-hand corner and for relay 2 in the upper right-hand corner of the display. The "greater than" symbol (>), to the left of the alarm reference values, indicates that the relays enter into an alarm condition when the temperature is higher than the alarm temperatures.

If necessary the temperature supply to the CTA can be adjusted. Range: -3.0°C to +3.0°C in steps of 0.1°C.

It is possible to set an alarm delay time (0-120 minutes, factory setting: 0 minutes).

CTA monitors the temperature sensor and deactivates the relays (enters alarm condition) in the event of a short-circuit or interruption in the sensor circuit. In the case of interruption the thermometer sensor shows Er0 and in the case of short-circuit Er1 is displayed.

USE

CTA is an overheating alarm for use in fire monitoring, industrial applications, etc.

INSTALLATION

CTA is designed for mounting on a DIN rail and is adapted for Norm enclosures.

MAINTENANCE

CTA is maintenance-free.

ORDERING EXAMPLE

Article number	Description
CTA-24/230V	High temperature alarm
CTS-BC-50-PT1000	Temperature sensor, 50mm bulb 1.5m
CTS-RW-PT1000	Temperature sensor, room installation
CTS-OW-PT1000	Temperature sensor, outdoors/industry
ETUK-1	IP55 norm enclosure, 3 modules

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