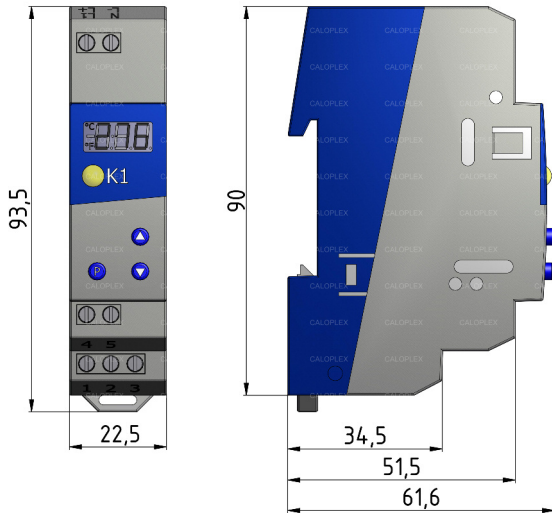


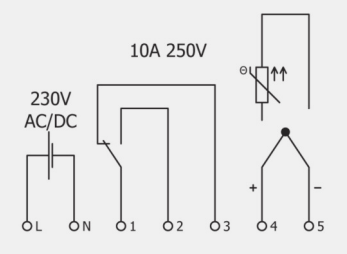


#### Application

CP-TC-3 was designed for use on a DIN-rail and due to its very small size in the format of 90mm x 22,5mm it allows an optimal use of the available space. 10 ampere switching power, display of actual value via LCD display, limit monitoring and adjustable switching hysteresis are only some of the advantages of this controller. In addition, a LED shows the switching status of the load relay. The following versions of the measuring inputs are possible: Resistor sensor, Thermocouples, current or voltage signals.



#### Circuit diagram



#### Electrical properties

Analog input:	Thermocouples: K, J (optional) Resistance sensor: PT100, (optional: PT1000, KTY2X-6) Standard input: 0...10V, 0...20mA, 4...20mA (optional)
Measuring tolerance:	PT100, PT1000 ±0,1% Thermocouples ±0,4% Standard signals ±0,1%
Outputs:	Relay changeover 1x10A/250V, (potential-free)
Interface:	Parameter interface for easy transmission of the parameters to any number of controllers
Power supply:	230V AC or DC +10% / -15% 50/60Hz
Power consumption:	2VA
Clamps:	maximum 2,5mm <sup>2</sup>

#### General information

Display:	Actual value display 3 digit, height of digits 6mm
Operating environment:	Operating temperature 0...55°C, close mounting 0...40°C Humidity < 95%
Protection class:	IP20
Material:	Polycarbonate, UL94V0 Self-extinguishing
Weight:	110g
Dimensions:	[22,5x61,6x93,5]mm [width x height x depth]

#### Software properties

Control algorithm:	On-off with hysteresis (adjustable)
Software functions:	(extract) heating controller or cooling controller, Compensation of the cable resistance



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