# Digital Thermostat eTRON-T

The eTRON-T is a compact single-channel digital thermostat for simple temperature control of electric heating systems. Measurement input permits the connection of PT-100 resistance thermometers. The measured value is shown on a 3-digit LC display.

The switching status of the relay K1 is indicated by a LED-indicator. The instrument is operated from 3 keys on the front panel. Electrical connection is made via screw terminals.
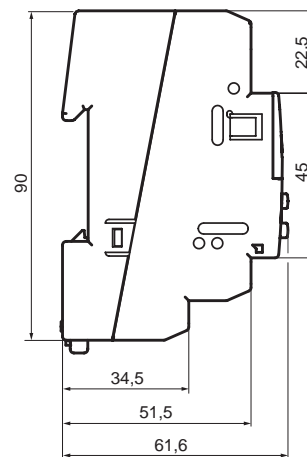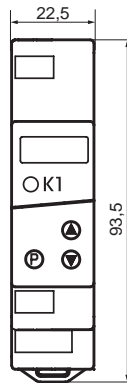
## Features

- Adjustable switching hysteresis
- Simple, space-saving installation
- Time-delayed switch "on" after power-on
- 3-digit LC display with special characters for °C and °F
- Parameter level protected by code
- Wide temperature setting range

## Application Areas

- Freeze protection of pipelines and vessels
- Monitoring and controlling of thermal processes
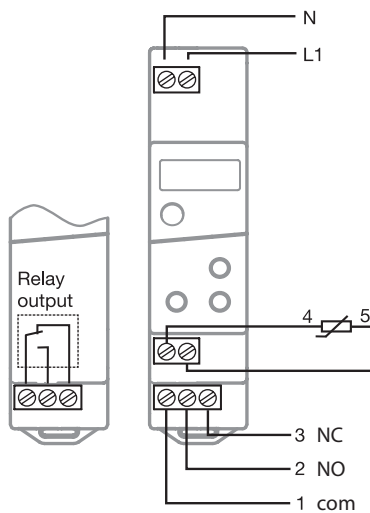
## Construction

## Technical Data

| | |
|---|---|
| Temperature setting range | -200…+600 °C |
| Type of sensors (not included in delivery kit) | PT100 (EN 60 751) |
| Supply voltage | 195…253 VAC, 48…63 Hz |
| Power consumption | 4 VA |
| Dimensions (W×H×D) | 93.5×22.5×61.6 mm |
| Weight | 110 g |
| Operating temperature range | 0…+55 °C |
| Relative humidity (at 30 °C) | 75 % |
| Degree of protection | IP20 |
| Mounting type | DIN-rail, 1.25 modules |
| Number of temperature measurement / control channels | 1 channel<br>10 A / 230 VAC, 50…60 Hz |

## Approvals

$C\mathcal{E}$

## Wiring Diagram



## Marking

**Example: eTRON-T**
①

**1.** Type of thermostat

## Types

| Name | Order code |
|---|---|
| Digital thermostat eTRON-T | 2120001100 |

## Accessories

| Name | Order code |
|---|---|
| Surface RTD temperature sensor Pt100, stainless steel, 2 wires, class B, L=2500 mm | 2121001100 |