

Electronic Temperature Controller

The ELTC-15 is an electronic temperature controller with digital display and rampmode functionality. It supports a 2- or 3-wire Pt100 input or thermocouple type K. After having evaluated the actual and preset values, the appropriate output relays are switched, depending on the configuration.

Cable glands and terminals are provided for the power connection. The unit is supplied in a weather proof plastic enclosure, with a transparent cover.

Advantages:

- LED display operable down to -25 °C
- Programmable 0 °C up to +999 °C
- For switching 20 A resistive load with hybridrelay
- Signaling contact (configurable to operate either as alarm or release contact, potential-free)
- Suitable for Pt100 with 2 or 3 wires and Thermocouples type K
- For connection of up to 2 heating cables (only self-regulating)
- Operating voltage: 90 - 260 VAC / 50/60 Hz
- Rampmode functionality

Applications:

- Industrial applications
- Applications at high temperatures



Type **ELTC-15**





Technical Information

Type ELTC-15

Data

■ Operating voltage	90-260 VAC 50/60 Hz
■ Power consumption	Max. 4 mA, < 5 W
■ Switching capacity relay 1	20 A with hybridrelay
■ Switching capacity relay 2	8 A, changover contact (alarm)
■ Operating temperature	-25 up to +55 °C
■ Storage temperature	-30 up to +60 °C
■ Display range	-50 up to +999 °C
■ Adjustable range	0 up to +950 °C, optional configuration
■ Sensor connection	Pt100 2-wire, 3-wire, thermocouple type K
■ Display	LED, red
■ IP rating	IP 65
■ Dimensions (w x h x d)	130 x 130 x 75 mm polycarbonate enclosure

Type	Designation	Art. No.
ELTC-15	Standard: set with cable glands, reducer and blind cover	0621500

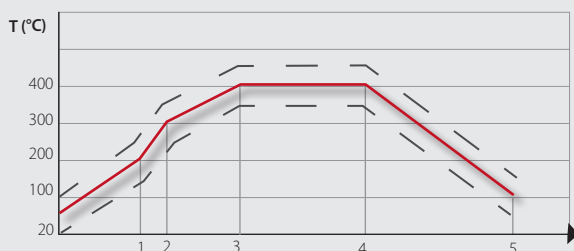
Sensors and display: It is possible to use three types of sensors, either Pt100/2-wire, Pt100/3-wire or thermocouples type K. Optional display of °C or °F values. In case of use of a Pt100/2-wire unit the actual temperature value can be corrected. Range +/- 10K or +/-18F, respectively. In case of use of a Pt100/3-wire unit the temperature is automatically corrected. Also suitable for use with ELTF-PTE_x 1 and 2 sensor.

Relay configuration: relay 1: regulator, relay 2: alarm / temperature reached

Temperature alarm: If the actual value deviates from the preset limit values, an alarm is given and transmitted via alarm relay K2.

Rampmode functionality:

Specific heating-up and defined cooling with counter heating to avoid rapid cooling of the heated components.



Wiring diagram

ELTC-15

