Electronic
Temperature Controller

The plug-in ELTC/L-15, specially developed for laboratory applications, is a controller with digital display in a stable desk-top housing. After having evaluated the actual and preset values, the appropriate output relays are switched, depending on the configuration.

On the back, there is a mains lead for direct connection to a socket, a built-in socket for connection of ready-made heating tapes and one built-in socket each for connection of either a Pt100 or a thermocouple type K.

Advantages:

- Direct connection to the socket
- Direct connection of heating tapes, heating jackets or heated hoses
- LED display operable down to -25 °C
- Programmable 0 °C up to +999 °C
- For switching 10 A resistive load with hybridrelay
- Operating voltage: 90 - 260 VAC / 50/60 Hz
- Rampmode functionality

Applications:

- Constant use in laboratories and technology centres
- Applications in the high-temperature field

EAC

Type **ELTC/L-15**

Technical Information

Type ELTC/L-15

Data

Operating voltage	230 V AC +/- 10%
Power consumption	Max. 5 W
Switching capacity relay 1	10 A contact (heating)
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 20
Dimensions (w x h x d)	125 x 70 x 180 mm

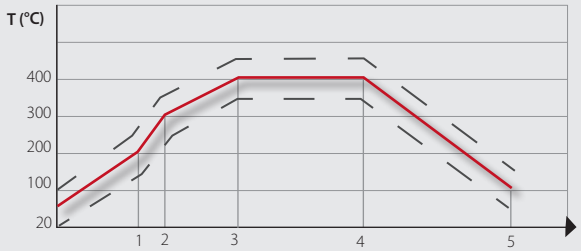
Type	Designation	Art. No.
ELTC-15	Temperature controller up to 999°C, desktop device with rampmode functionality	0621501

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-PTEx 1 and 2 sensor.

Relay configuration: relay 1: regulator

Rampmode functionality:

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



Wiring diagram

3- + 4-pole