



Micro-processor operated Temperature Controller

The micro-processor operated device of the ELTC-60 series is specially designed for temperature control with high accuracy. The standard version features a 3-digit LED display. The unit works with Pt 100 (2 wires) resistance sensors. It has potential-free relay output. The operating voltage is 230 V AC or 12-24 VAC, 12-24 VDC.

Advantages:

- Temperature display
- Optional configuration
- High control accuracy

Applications:

- Industrial applications
- Mechanical, electrical and plumbing (MEP)n
- Heat tracing on pipes, valves and vessels
- Tank containers



Type ELTC 60/1, 60/1.1





Technical details

Type ELTC 60/1, 60/1.1

Data

■ Measuring range	Pt 100 -60...400°C
■ Hysteresis	0,5 or resp. 1 K (due to display sharpness)
■ Indication	three digit LED display, 13 mm high, color deep red
■ Display range	-99... 999 °C temperature values in °C
■ Nominal value range	the set range of the nominal value can be limited to the lower and upper value
■ Controller type	the contact for output can be factory programmed
■ Control characteristics	thermostat with adjustable hysteresis
■ Control parameter	the controller is supplied with standard adjustments
■ Alarm function	for sensor breakage or fault function the display indicates flashing „FIH“ or „FIL“
■ Outputs	relay contact, 230 V AC, 16 A, 1 closing contact
■ Operating voltage	power supply: 230 V AC / 12-24 V AC / 16-36 V DC -15...+10% 50/60Hz.
■ Power consumption	max. 20 mA
■ Ambient temp.	0...+55°C
■ Weight	approx. 65 g without sensor
■ IP rating	IP 65 front

Mounting characteristics

■ Front size	64 mm diameter
■ Control panel cut-out	60 mm diameter
■ Mounting depth	approx. 62 mm with connections
■ Connection	flat pin terminals 6.3 mm for power supply and relay output, flat pin terminals 2.8 x 0.5 mm for sensor
■ Mounting	bolted-on bow

The parameters and set points can be programmed to different functions with three keys:

- set point
- hysteresis of set point
- lower set point limit
- upper set point limit
- correction of actual value
- keyboard interlocking

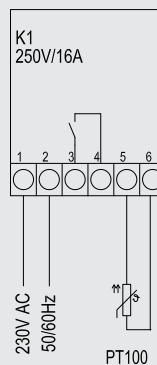
Upon request, other characteristics of the unit, such as basic function of output relay, monitoring functions, control characteristics, etc. can be factory programmed.

Type	Operating voltage	Item n°
ELTC 60/1	230 V	0620601
ELTC 60/1.1	12-24 V AC, 16-36 V DC	0620611

Wiring diagram ELTC 60/1

terminal assignment

ELTC 60/1



terminal assignment

ELTC 60/1.1

