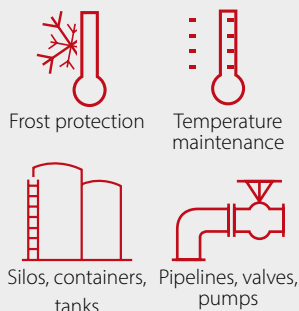


At a glance

Applications



- › industry
- › Heating sleeves, heated hoses

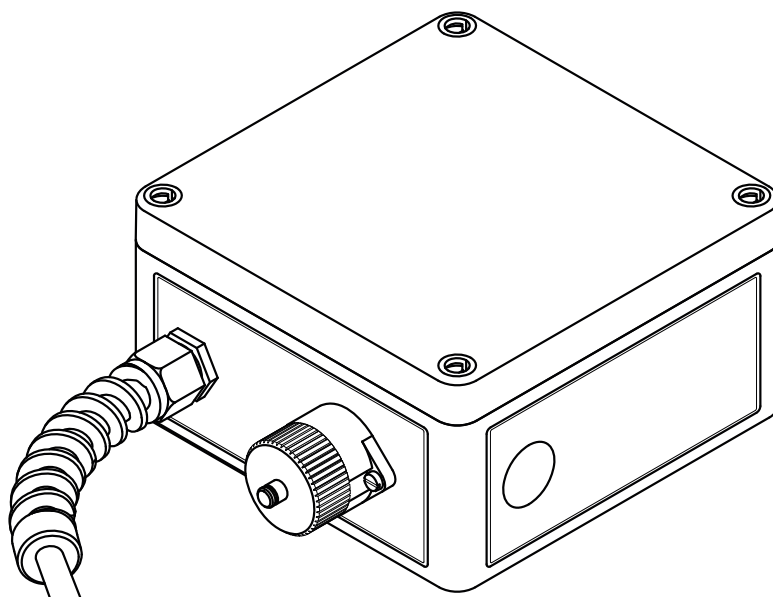
Advantages

- › Wall mounting
- › LED display up to -25 °C
- › Programmable -50 to +400 °C
- › Switches 20 A resistive load
- › Alarm contact
- › Pt100 in 2- & 3-wire circuit

Approvals

ELTC/H-14

Electronic temperature controller



The electronic temperature controller of type series ELTC/H-14 for heating applications in industrial plants is a controller with display for wall mounting.

The temperature measured with a Pt100 temperature tracer is processed and displayed by the micro controller.

After comparison of actual and set-point value the output relay is switched in keeping with the configuration.

The device is delivered in a splash-proof housing that has a transparent housing cover. The power supply can be connected by an earthed plug (H1, -H2) and the heating and trace connection (temperature tracer Pt100 with 3- or 2-wire technology) can be plugged into the integrated socket.

Checklist

Temperature sensors

ELTF-PT.1	Pt100 2-wire, AL PVC, length = 5 m	0650001
ELTF-PT.15	Pt100 3-wire, AL fluoropolymer, length = 3 m	0650070
ELTF-PT.33	Pt100 2-wire, AL fluoropolymer, length = 5 m	0650000

Plugs suitable for installation sockets

Cable plug -H1	7-pole, 250V/10A, with cable strain relief, Ø6-8mm	2554807035
Cable plug -H2	4-pole, 400V/16A, with cable strain relief, Ø6-9mm	2554807008
Diode plug -H2	For Pt100, 3-pole, with cable strain relief, Ø4-6mm	2550200001
Cable plug -H3	5-pole, 400V/20A, with cable strain relief, Ø10-12mm	2554900005

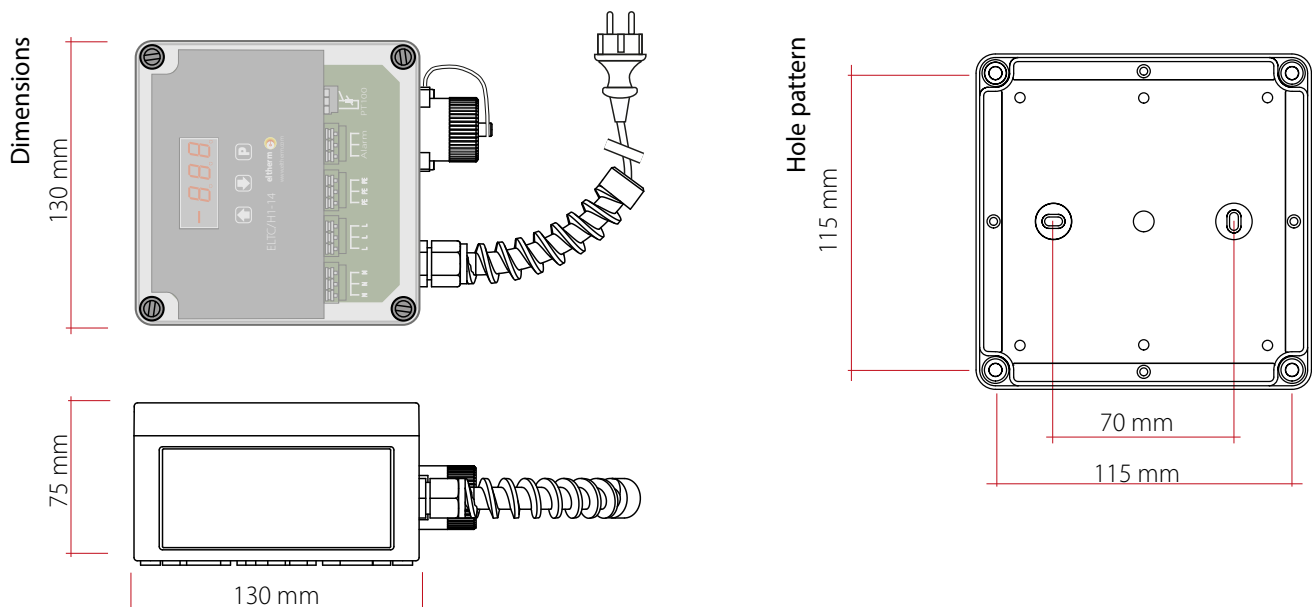
Technical Specifications

Operating voltage	90 to 260 V AC, 50/60 Hz
Power consumption	Max. 4 mA < 5 VA
Switching capacity Relay 1	20 A hybrid relay
Switching capacity Relay 2	8 A changeover contact (alarm)
Ambient temperature	-25°C up to +55°C
Storage temperature	-30°C up to +60°C
Setpoint temperature range	-50°C up to +400°C
Measuring range	0°C up to 390°C
Tracer connection	Pt100 2-wire & Pt100 3-wire *
Display	LED red
Housing material	Polycarbonate, grey; transparent cover
Housing dimensions	130 x 130 x 75 mm (WxHxD)
Protection	IP 65
Mounting	Wall mounting
Weight	approx. 0.6 kg

* **Sensor and display:** 2 different sensor types can be used, Pt100/2-wire or Pt100/3-wire, and values can be displayed either as °C or °F. When using a Pt100/2-wire, the actual temperature value can be corrected. Range +/- 10K or +/- 18F. When using the Pt100/3-wire, the temperature is corrected automatically. Also suitable for use with ELTF-PTEX 1 and 2 sensor.

Relay configuration: Relay 1: Controller relay, relay 2: Alarm relay: Alarm / temp. reached

Temperature alarm: If the measured actual value deviates from the set limit value, an alarm is triggered and passed on using the K2 relay as an alarm relay.



Ordering Information

Type	Description	Item no.
ELTC/H1-14	Installation socket 7-pole (10 A), connection cable 3,0m, 3G1,5mm ² with schuko plug	0620001
ELTC/H2-14	Installation socket 3 +4-pole (16 A), connection cable 3,0m, 3G1,5mm ² , schuko plug	0620002
ELTC/H3-14	Installation socket 5-pole (20 A), connection cable 3,0m, 3G2,5mm ² with ferrules	0620003