



At a glance

Applications



Frost protection



Temperature maintenance



Silos, containers, tanks



Pipelines, valves, pumps

- › industry
- › High-temperature applications

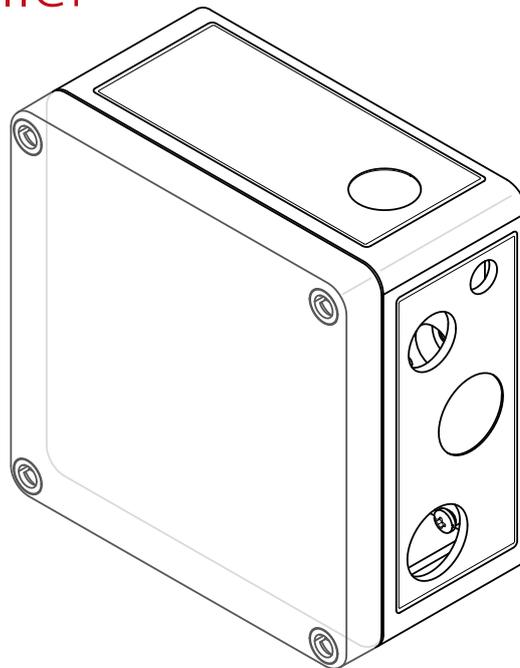
Advantages

- › Wall mounting
- › LED display
- › Programmable 0 to +999 °C
- › Switches 20 A resistive load
- › Alarm contact (configurable)
- › Pt100 in 2- & 3-wire circuit
- › Up to 2 ELSR can be connected
- › Ramp function

Approvals

ELTC-15

Electronic temperature controller



The ELTC-15 is a controller with digital display and ramp function. The temperature measured with a Pt100 temperature tracer or type K thermocouple is processed and displayed by a 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 plastic housing with a transparent housing cover and includes accessories.

Accessories:

- 2 x screw con. M25 (6-13mm), 2x seal (2x6mm), 2 x O-ring f. M25,
- 2 x screw con. M20 (6-12mm), 2x O-ring f. M20,
- 1 x screw con. M12 (3-6.5mm), 1x O-ring f. M12,
- 1 x locknut M25
- 1 x locknut M20

Checklist

Temperature sensors

ELTF-PT.1	Pt100 2-wire, cable PVC, length = 5 m	0650001
ELTF-PT.15	Pt100 3-wire, cable fluoropolymer, length = 3 m	0650070
ELTF-PT.33	Pt100 2-wire, cable fluoropolymer, length = 5 m	0650000
ELTF-Te4.1	Thermocouple type K, cable silicone, length = 5 m	0670019



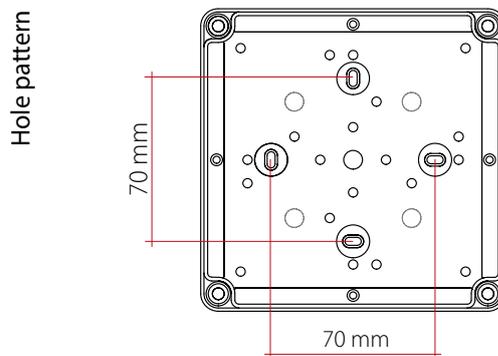
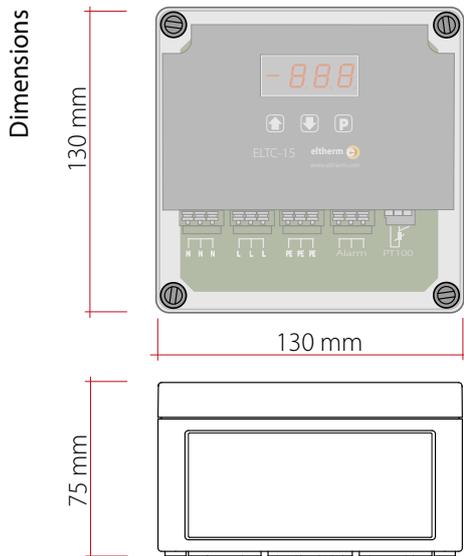
Technical Specifications

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
Setting temperature range	-50...+410°C (Pt100) -50...+999°C (Thermocouple Type K)
Measuring range	...0°C up to +950°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

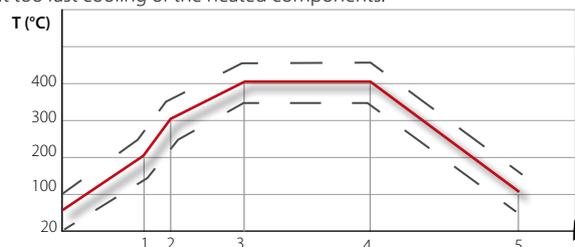
* **Sensor and display:** Three different tracer types – Pt100/2-wire, Pt100/3-wire (setting range up to 410°C) or type K thermocouple (setting range up to 999°C) can be used and the values displayed either as °C or °F. When using a Pt100/2-wire, the actual temperature value can be corrected. Range +/- 10K or +/- 18F. When using the Pt100/3-wire, the temperature is corrected automatically.

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.



Ramp function: Specific heating and defined cooling with counter heating in order to prevent too fast cooling of the heated components.



Ordering Information

Type	Description	Item no.
ELTC 15	Standard: Set with screw connections, reductions & blind plugs	0621500