

# Electronic freeze protection thermostat eltherm® ELTC-05 Frostcontrol



## Producer datasheet

Reference list:

part no. Faber	part name Faber	part name supplier
073736	ELTHERM ELTC-05 (0610002) - incl. Pt100, with 1 Relay, 230 V, 2 x M25, 1 x M12	ELTC 05 - incl. Pt100, with 1 Relay, 230 V, 2 x M25, 1 x M12 - 0610002

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# Electronic

## Frost Protection Thermostat

The electronic temperature controller ELTC 05-Frostcontrol is designed for use as an ambient thermostat and surface thermostat with remote sensor. Cable glands and terminals are provided for power input. The unit is supplied in a weather proof plastic enclosure for wall mounting, with a grey cover.

The controller should be protected from direct sunlight when used outdoors. In case of use as ambient temperature controller, the sensor cable is shortened to allow fastening of the sensor sleeve within the M12 gland. The sleeve should project by approximately 15 mm.

### Advantages:

- Weather proof
- Fixed switching set point

### Applications:

- Heat tracing for frost protection
- Can be used as ambient and surface thermostat
- Suitable for resistance heating lines and self-regulating heating cables



## Type ELTC 05–Frostcontrol





## Technical Information

### Data

■ Supply voltage	230 V, +/- 10 %, 50 Hz, optional voltages upon request
■ Switching capacity	16 A
■ Hysteresis	Approx. 1 Kelvin
■ Measurement input	Pt100 DIN 2-wire, with 5 m PVC connecting cable (temp. max. 90 °C)
■ Switching point ELTC/05	+3 °C (set point)
■ Ambient temperature	-30 up to +60 °C
■ Control characteristics	Dual mode controller
■ Output	1 relay contact
■ LED	Heating ON (yellow)
■ Enclosure	Polycarbonate
■ Dimensions	130 x 130 x 75mm
■ IP rating	IP 65
■ Weight	520 g

### Electronic Temperature Controller

- Type ELTC 05 Frostcontrol, switching point +3 °C (set point)

#### Function

If the sensed temperature is lower than the adjusted set point, the relay contact closes and the heating switches on.

**Special designs available – just ask us!**

Type	Designation	Art. No.
ELTC 05	Incl. Pt100, with 1 Relay, 230 V, 2xM25, 1xM12	0610002
ELTC 05	Incl. Pt100, with 1 Relay, 110 V, 2xM25, 1xM12	0610003
ELTC 05	Incl. Pt100, with 2 Relay, 230 V, 2xM25, 1xM12	0610005
ELTC 05	Without Pt100, with 1 Relay, 230 V, 2xM25, 1xM12	0610092

**Note:** Versions for higher temperatures are available upon request.

### Wiring diagram

