



Electronic Temperature Controller

The ELTC-21 is an electronic temperature controller with digital display for top-hat rail mount. The temperature is measured by a Pt100 sensor, processed by the microcontroller and displayed. After having evaluated the actual and preset values, the appropriate output relays are switched on, depending on the configuration.

Advantages:

- LED display up to - 25 °C
- Programmable -50 °C up to +400 °C
- For switching 16 A ohm load
- Alarm contact
- Pt 100 with 2 or 3 wires

Applications:

- Industrial applications
- Mechanical, electrical and plumbing (MEP)



Type ELTC-21





Technical details

Type ELTC-21

Data

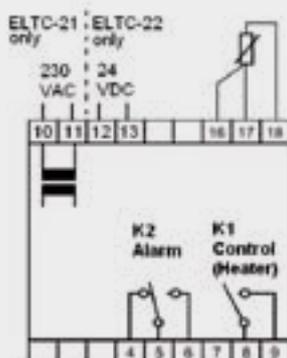
■ Operating voltage	230 V
■ Power consumption	max. 4 mA
■ Switching capacity, relay 1	16 A close contact (heating)
■ Switching capacity, relay 2	8 A, changing contact (alarm)
■ Operating temperature	-25°C ... +55°C
■ Storage temperature	-25°C ... +60°C
■ Temperature range	0°C ... +400°C, optional configuration
■ Sensor connection	Pt 100 2-wires, 3-wires, optional configuration
■ Display	LED, red
■ IP rating	IP20
■ Mounting	top-hat rail
■ Dimensions [w x h x d in mm]:	51,5 x 87,5 x 58,0

Sensors and display: It is possible to use two types of sensors, either Pt 100/2-wire or Pt 100/3-wire. 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.

Relay configuration: relay 1: regulator, relay 2: alarm

Temperature alarm: If the actual value deviates from the preset limit values, an alarm is given and transmitted by alarm relay K2.

Wiring diagram



Type	Item n°
ELTC-21	0610093



Electronic Temperature Controller for 24 VDC

The ELTC-22 is an electronic temperature controller with digital display for standard rail mount. The temperature is measured by a Pt100 sensor, processed by the microcontroller and displayed. After having evaluated the actual and preset values, the appropriate output relays are switched on, depending on the configuration.

Advantages:

- LED display up to $-25\text{ }^{\circ}\text{C}$
- Programmable $-50\text{ }^{\circ}\text{C}$ up to $+400\text{ }^{\circ}\text{C}$
- For switching 16 A ohm load
- Alarm contact
- Pt 100 with 2 or 3 wires

Applications:

- Industrial applications
- Mechanical, electrical and plumbing (MEP)



Type ELTC-22





Technical details

Type ELTC-22

Data

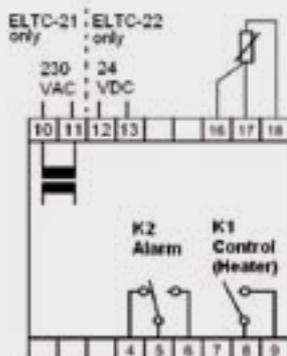
■ Operating voltage	24 VDC
■ Power consumption	max. 4 mA
■ Switching capacity, relay 1	16 A close contact (heating)
■ Switching capacity, relay 2	8 A, changing contact (alarm)
■ Operating temperature	-25°C ... +55°C
■ Storage temperature	-25°C ... +60°C
■ Temperature range	0°C ... +400°C, optional configuration
■ Sensor connection	Pt 100 2-wires, 3-wires, optional configuration
■ Display	LED, red
■ IP rating	IP 20
■ Mounting	top-hat rail
■ Dimensions [w x h x d in mm]:	51,5 x 87,5 x 58,0

Sensors and display: It is possible to use two types of sensors, either Pt 100/2-wire or Pt 100/3-wire. 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.

Relay configuration: relay 1: regulator, relay 2: alarm

Temperature alarm: If the actual value deviates from the preset limit values, an alarm is given and transmitted by alarm relay K2.

Wiring diagram



Type	Item n°
ELTC-22	0610094