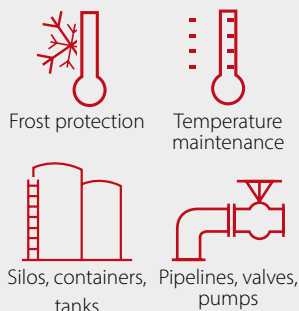




At a glance

Applications



- › Power plants
- › Chemical industry
- › Petrochemical industry
- › Oil and gas industry
- › Pharmaceutical industry
- › Plastics industry
- › Process technology

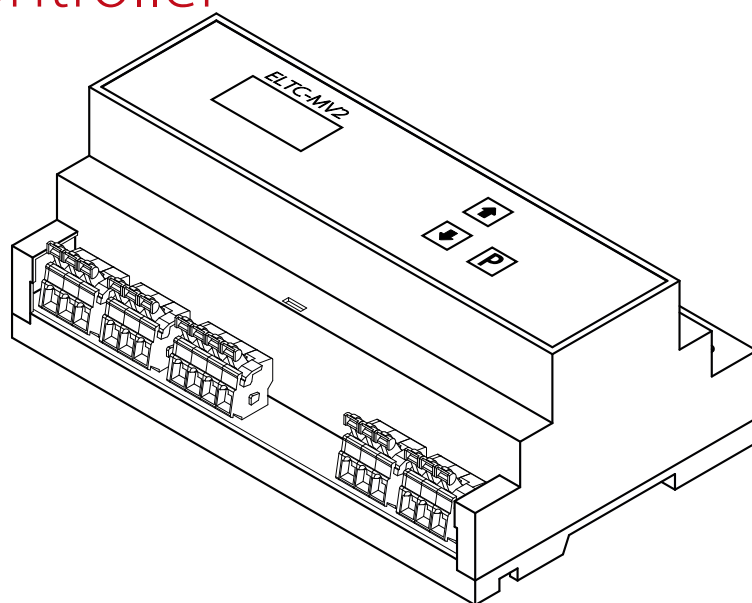
Advantages

- › LED display
- › Connection to SCADA system
- › Multi-voltage device
- › Diverse control functions
- › Hybrid relay 20 A wear-free
- › Inrush current limiting
- › Monitoring functions

Approvals

ELTC-MV2

Moduvise Temperature Controller



The temperature controller ELTC-MV2 Moduvise is a multi-function device with 15 control functions. Temperatures can be measured either by Pt100 in 2- & 3-wire technology, by thermocouples type J and type K, or by a standard signal.

The temperature controller has four analogue inputs, two analogue outputs and three digital inputs. As a safeguard it has a message and alarm relay. There are also two RS485 interfaces, one for connecting to higher-level control systems such as the eltherm SCADA system TraceVision (Modbus protocol).

Checklist

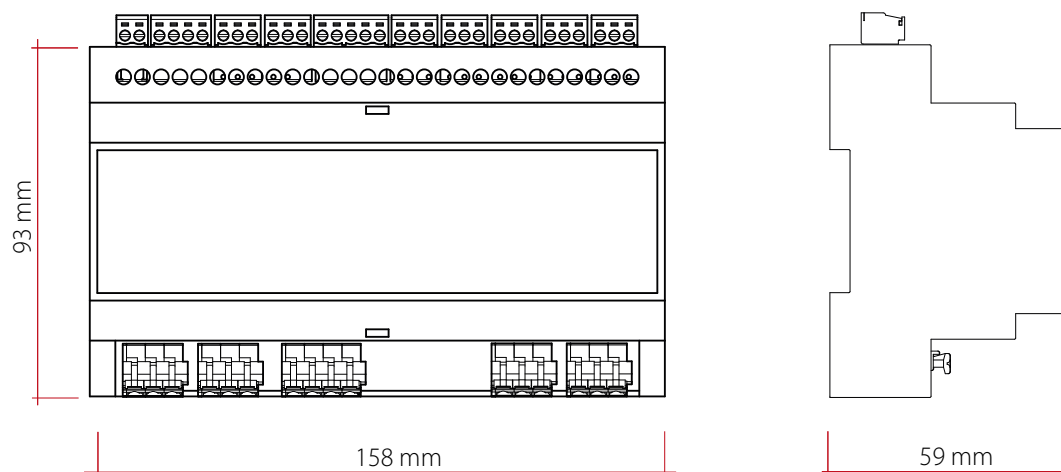
Temperature sensors

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
⊗ ELTF-PTEx.2	Pt100 4-wire, cable fluoropolymer, length = 3 m	0X70002
⊗ ELTF-PTEx.2	Pt100 4-wire, cable fluoropolymer, length = 10 m	0X70010

Technical Specifications

Operating voltage	100V..277 VA C, +/-10%, 50/60Hz, 24 V DC, +/-5%
Max. power consumption	5.5 VA
Switching capacity Relay K1 N/O contact (heating)	20 A resistive load, max 277 VAC
Switching capacity Relay K2 changeover contact (alarm)	8 A resistive load, max 250 VAC
Switching capacity Relay K3 changeover contact (OT alarm)	1 A resistive load, max. 24 VDC
Ambient temperature	- 25 °C to + 55 °C
Storage temperature	- 30 °C to + 60 °C
Setpoint temperature range	- 50 °C to + 999 °C (°C or °F adjustable)
Measuring range	Pt100 -60...+410°C Type K 0...999°C Type J 0...700°C
Switching accuracy	± 1K, ± 2 digits (-50...400°C)
Connection terminals	Sensor: 0.2...1.5mm ² CU, other: 0.1...2.5mm ² CU one-wire,
Interface	RS485
Sensor connection	Pt100 2- or 3-wire; Thermocouples J or K; standard signal; meets requirements for operation with ELTF PTEEx sensors
Display	LED, red, 11 mm, three-wire
Housing material	Plastic housing with foil keyboard
Housing dimensions	153 (8.5 TE) x 93 x 59 mm (WxHxD)
Protection	IP 20
Mounting	DIN rail TS35
Weight	approx. 0.8 kg

Dimensions



Ordering Information

Type	Item no.
ELTC-MV2	0611135