



More than sensors + automation

# JUMO eTRON T100 Electronic thermostat



#### **Product benefits**

- High vibration resistance of the connections due to the consistent clamping force of the PUSH IN springcage terminals
- Process values, setpoint values, and switch positions can be shown directly in the display as plain text information
- The configurable display allows 100 % adaptation to the process; even units for other measurands can be displayed
- Simple storage, as 4 languages are available in the device
- USB interface (powered) allows transfer of setup configuration without additional voltage supply
- Configuration of a separate user level, which provides quick access to important process parameters
- Service and operating hours counter as well as data logger enable predictive maintenance
- Logical operations can be implemented via digital control signals
- Meeting the standards and specifications for use in rail vehicles according to DIN EN 50155, DIN EN 50121, and DIN EN 45545

### **Brief overview**

The electronic thermostat for DIN-rail mounting was especially designed for temperature control and monitoring. RTD temperature probes, thermocouples, as well as current or voltage signals can be connected to the measurement input; the same applies to special temperature probes for railway technology. On the output side a 10 A changeover contact relay and a PhotoMOS® relay are available. The electrical connection is made via PUSH IN connection. The thermostat is operated and parameterized using 4 keys. A configurable operating level enables quick access to important parameters directly on the device.

#### Technical data

Format	22.5 × 93.5 × 61.6 mm (Width × Height × Depth)
Mounting	On DIN rail 35 × 7.5 mm
Measuring inputs	Pt100, Pt1000, KTY2X-6; thermocouple type J, type L, and type K; 0(4) to 20 mA; NTC 5 kΩ (at 25 °C); Ni 1000 DIN 43760, Ni 1000 Landis+Gyr TK5000
Display	Dot-matrix LCD display
Outputs	1 relay (changeover contact 10 A); 1 PhotoMOS®relay
Special features	Data logger as well as service and operating hours counter, timer function
Electrical connection	PUSH IN terminals

## Application areas

- Standard industrial applications
- Heating and refrigeration technology
- Railway applications
- Building technology









