Jumo eTRON T100

nVent RAYCHEM

ELECTRONIC THERMOSTAT WITH TIMER FUNCTION FOR MOUNTING ON 35mm DIN RAIL

The nVent Jumo eTRON T100 is a compact digital thermostat for simple ON/OFF temperature control.

The electronic thermostat measures the temperature via RTD temperature probe, thermocouple, or current 4 to 20 mA and can be configured as a simple heating thermostat depending on the set switching behavior.

The switching status of the relay as the actual value and setpoint value are shown simultaneously in the display. The device is operated via 4 keys on the front panel. The electrical connection is made via terminal blocks with push-in technology.

Specific features:
- Intuitive operation and configuration on the device or with the setup program through USB interface
- User level with 8 parameters
- Service and operating hours counter
- Connection via terminal blocks with push-in technology
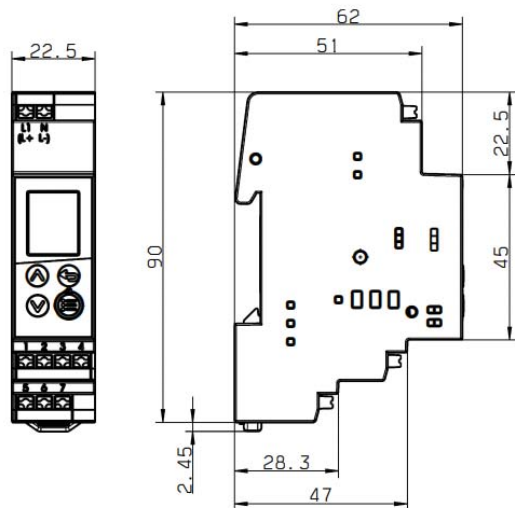- 10 A relay (changeover contact)
- Timer function

GENERAL

Application	Usable for all applications requiring tight temperature control for either line sensing or ambient sensing control
Area of use	DIN rail mounting in panels or enclosures installed in non-hazardous area. Sensing temperature in hazardous area Zone 1 is possible when used in conjunction with nVent RAYCHEM MONI-PT100-EXE or nVent RAYCHEM MONI-PT100-EXE-SENSOR (separately available)
Temperature control range	−200°C to +600°C (accuracy <0.25%)
Ambient operating temperature	−40°C to +55°C (display to min -10°C)
Storage temperature	−40°C to +70°C
Climatic conditions	≤85% relative humidity, annual average, no condensation

ENCLOSURE

Protection	IP 20 to EN 60529
Material	Plastic case, polycarbonate according to DIN EN 45545 (halogen-free, only for indoor use)
Installation	Mounting rail 35 mm × 7.5 mm according to DIN IEC 60715
Installation position	Vertical
Flammability class	UL 94 VO

DIMENSIONS (IN MM)

WIRING DIAGRAM

(L1, N, L+, L-) Voltage supply (according to nameplate)

(1, 2, 3) PT100 input

(5, 6, 7) Relay output

ELECTRICAL DATA

AC 2⸱

Voltage supply	Max. 1.5 W, 2.0 VA
Power consumption	Max. 2.5 mm2, wire or strand with ferrule
Inputs and outputs Conductor cross section	According to DIN EN 61010-1
	Overvoltage category III, pollution degree 2
Electrical safety	

TEMPERATURE SENSOR

Pt100 Sensor, 3-wire

ORDERING DETAILS

Order reference & weight	1200-001269 (0.11 kg)

North America

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nVent.com

Europe, Middle East, Africa

Tel +32.16.213.502
Fax +32.16.213.604
thermal.info@nVent.com

Asia Pacific

Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nVent.com

Latin America

Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nVent.com

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