TCR

VE447900



Panel-mounted control relay in a 2-DIN module housing designed for room temperature control in heating mode. 230 Vac power supply, DIN-rail installation (2 modules), with 1 relay.

General features

- LEDs for signaling
  - green for power supply presence
  - red for output activation
  - yellow for economy mode active
  - yellow for frost protection mode active
- Trimmer for comfort mode setpoint
- Trimmer for setpoint reduction in economy mode
- Wall-mounted NTC probe (included in package). Accessories available separately
- Immersion probe and strap-on probe available separately
- Adjustment mode: heating (winter)
- Temperature control: on/off with fixed differential
- Relay output with normally open contact, 16(2) A / 230 V
- Two inputs with dry contact for operating mode selection
- Three operating modes: comfort, economy, antifreeze

Technical specifications

Power supply	
Power supply	230 Vac (-10% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	< 4 VA
Temperature settings	
Temperature setting range	8 ÷ 26 °C
Parameter settings	
Type of adjustment	ON-OFF
Differential/Hysteresis	0.2 °C (fixed differential)
Modes of operation	Winter

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Revision date: 2026-02-02

Measure	
Temperature measurement accuracy	± 1 °C
Connectivity	
Maximum distance between device and actuator or probe	100 m
Operating conditions	
Operating temperature range	-10 ÷ 55 °C
Relative humidity	15% ÷ 95% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Inputs	
Digital input	✓
No. digital inputs	2
Type of connectable probes	NTC (10 kΩ at 25 °C)
Outputs	
Relay number	1
Relay type	Normally open
Relay capacity at 250 Vac	16 (2) A
Terminations	
Maximum cable cross-section	6 (voltage input) mm² 6 (relay output) mm² 2.5 (probe input) mm²
Mechanical features	
Protection degree	IP20
Overall dimensions	
Height (A)	88 mm
Width (B)	36 mm
Depth (C)	65 mm

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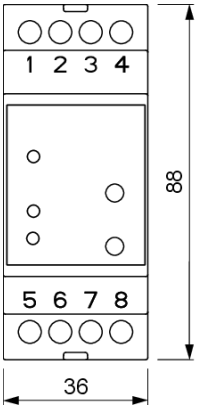
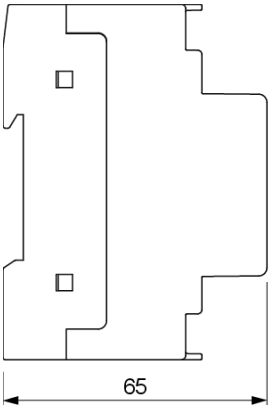
Dimensions

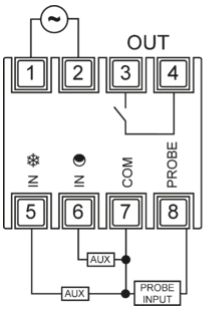
Front View



Side View



Wiring diagram



- terminals 5-7 input for antifreeze mode
- terminals 6-7 input for economy mode

Accessories compatible with the product

NTC 3MT

VE152500

NTC RTD sensor, 2-wire, with NTC semiconductor for temperature measurement, 3 m length

NTC BC

VE124400

NTC BC thermistor with a 2-wire NTC semiconductor sensor housed in eco-molded plastic and equipped with a cable, particularly suitable for measuring the temperature outside pipes; length: 1.5 m

NTC C

VE123600

NTC C thermistor with a 2-wire NTC semiconductor sensor encased in eco-printed plastic for temperature detection, length 1.5 m

Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-9 • EN IEC 63000

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