



TRTC5(-D)

Temperature transmitters for Modbus communication

Room transmitters for measuring temperature in indoor environments.

Transmitters intended for wall mounting in HVAC systems.

The sensor is mounted in the cover-part of the casing. The cover is easy to detach from the back by means of snap-in grips and detachable terminals. This makes mounting easier. Furthermore, no cables have to be disconnected, simplifying service and replacement.

Supply voltage

The transmitter uses a supply voltage of 24 V AC $\pm 10\%$ or 15...35 V DC. It automatically detects and adapts to the supply voltage connected.

Temperature sensor

The unit has a built-in temperature sensor, working range 0...50°C.

Communication via Modbus

The transmitters communicate via Modbus and are to be integrated into a network.



Short facts about TRTC5(-D)

- Output signal Modbus
- Temperature, 0...50°C
- Good long-term stability
- Modbus communication

Models

Model	Description
TRTC5	Temperature transmitter for Modbus communication
TRTC5-D	Temperature transmitter for Modbus communication with display

Technical data

Output signal	Modbus
Supply voltage (U_v)	24 V AC \pm 10 % or 15...35 V DC
Power consumption	< 1 W
Transformer power	2 VA
Electrical connection	Screw terminals max. 1.5 mm ² (AWG 16)
Ambient temperature	0...50°C
Ambient humidity	10...90 % RH non-condensing
Storage temperature	-25...+60°C
Protection class	IP30
Dimensions (WxHxD)	85 x 100 x 30.5 mm

Temperature

Working range	0...50°C
Accuracy at 20°C	\pm 0.2°C

Communication

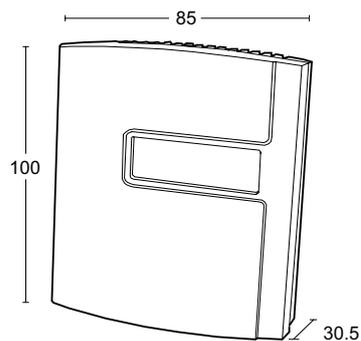
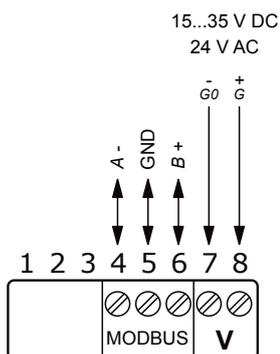
Type	Modbus RTU
Baud rate	4800, 9600, 19200, 38400 bits/s
Factory settings	
Baud rate	19200 bits/s
Parity	Even
Address of unit	1



EMC emissions & immunity standards: This product conforms to the requirements of the EMC Directive 2004/108/EC through product standards EN 61000-6-1 and EN 61000-6-3.

RoHS: This product conforms to the Directive 2011/65/EU of the European Parliament and of the Council.

Wiring and dimensions



(Measurements in mm.)

Product documentation

Document	Type
TRTC5(-D)_inst	Instruction for the transmitter range

The document can be downloaded from www.regincontrols.com.

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