

ROOM TEMPERATURE CONTROLLERS

Room Temperature Controller TS 30.12 knx / TS 31.12 knx



Overview

- Measurement of room temperature
- Temperature sensor (measuring range 0...50 °C)
- 2 separate temperature controls via KNX
- Temperature control with up to 4 sensor values possible
- 5 binary and analog inputs (e.g. for connecting an external temperature sensor)
- 3 analog outputs (0–10 V)
- RGB, RGBW, and Tunable White dimming function
- KNX Secure
- Updatable
- Clearly structured ETS configuration
- Easy handling and installation
- Modern, slim design for surface mounting [80 mm]
- Party function
- Additionally for TS 31.12 KNX:
Setpoint temperature manually adjustable via touch panel

Accessories



TF06 Temperature sensor



Back part for surface wiring 200.004

Order numbers

■ müller	
TS 30.12 knx	Room temperature controller
TS 31.12 knx	Room temperature controller with manual set-point temperature adjustment

ROOM TEMPERATURE CONTROLLERS

Room Temperature Controller TS 30.12 knx / TS 31.12 knx

Order information

	EAN	Art. No.
TS 30.12 knx	4022709247001	24700
TS 31.12 knx	4022709247018	24701
TS 30.12 knx RAL9005 jet black	4022709247063	24706
TS 31.12 knx RAL9005 jet black	4022709247070	24707

Technical data

Supply voltage	via KNX bus voltage
Bus current	< 12,5 mA
Bus system	KNX
Safety	KNX Secure
Sensors	temperature relative humidity atmospheric pressure dew point VAV ventilation control
Inputs	4 binary inputs 1 input configurable as a temperature sensor input for common temperature sensors
Outputs	3 analog outputs 0–10 V
Manual operation (only GS 31.12 knx)	manual adjustment of set-point temperature
Measuring range temperature	0...+50 °C
Measuring range atmospheric pressure	300...1.100 hPa
Permitted ambient temperature	0°...+50° C
Housing	self-extinguishing thermoplastic
Dimensions	80,5 x 80,5 x 17 mm
Housing color	studio white (similar to RAL 9016) or jet black (similar to RAL 9005) specific colors on request
Mounting	wall mounting (preferably combined with flush-mounting box)
Type of connection	push-in connector
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations
Type of connection external inputs	wire diameter Solid: 0.5–2.5 mm ² Flexible: 0.5–1.5 mm ² Stripping length 6 mm

Functions and data provided to KNX bus:

CO ₂	Value output Control (step and PI control)
Relative humidity	Value output Control (step and PI control) Comparator
Temperature	Value output Control heating (2-point- and PI control) Control cooling (2-point- and PI control) Alarms
Dewpoint	Value output Alarms
Air pressure	Value output
VAV control	Value output (0...100%)
and much more...	

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