

HUMIDITY CONTROLLERS

Room temperature controllers and hygrostats GS 30.1x knx / GS 31.1x knx



Accessories



TF06 Temperature sensor



Back part for surface wiring 200.004

Overview

- Room temperature control
- Sensors for temperature, humidity and atmospheric pressure measurement
- Humidity sensor (Measuring range 0...100 % rel. humidity)
- Humidity comparator function
- Sensor for temperature measurement
- Temperature sensor (Measuring range 0...+50 °C)
- 5 binary and analogue inputs (e.g. for connecting an external temperature sensor)
- Easy installation and mounting
- Modern and planar design
- Wall mounting
- Additionally at GS 31.10 knx / GS 31.11 knx: manual adjustment of set-point temperature via touch panel (adjustment range $\pm 3^\circ$, increment $0,5^\circ$)

Additional features GS 30.11 knx / GS 31.11 knx:

- Party function
- Extension of the value range of setpoints
- Temperature control with up to 4 sensor values possible
- Additional VAV controller
- and much more

Order numbers

■ müller	
GS 30.10 knx	Room temperature controller and hygrostat
GS 30.11 knx new	
GS 31.10 knx	Room temperature controller and hygrostat with manual set-point temperature adjustment $\pm 3^\circ\text{C}$
GS 31.11 knx new	

HUMIDITY CONTROLLERS

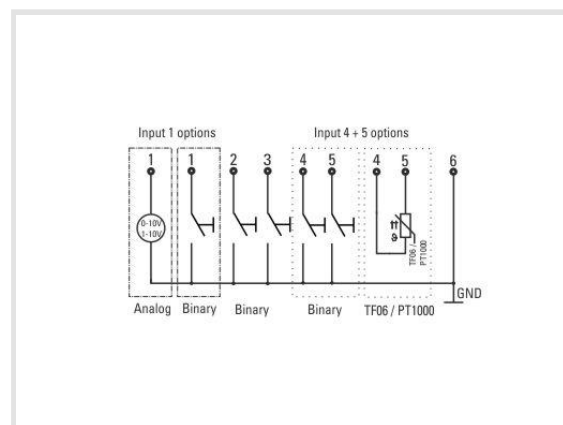
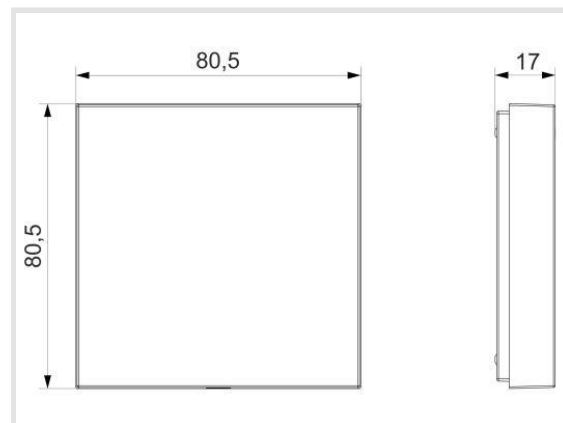
Room temperature controllers and hygrostats **GS 30.1x knx / GS 31.1x knx**

Order information

	EAN	Art. No.
GS 30.10 knx	4022709236548	23654
GS 31.10 knx	4022709236562	23656
GS 30.10 knx RAL9005 jet black	4022709241641	24164
GS 31.10 knx RAL9005 jet black	4022709241658	24165
GS 30.11 knx	4022709243027	24302
GS 31.11 knx	4022709243034	24303
GS 30.11 knx RAL9005 jet black	4022709243102	24310
GS 31.11 knx RAL9005 jet black	4022709243119	24311

Technical data

Supply voltage	via KNX bus voltage
Bus current	< 10 mA
Bus system	KNX
Sensors	temperature relative humidity atmospheric pressure dew point VAV ventilation control
Inputs	5 binary and analog inputs I4 & I5: For external temperature sensor input (PT1000 or müller TF06 (10kΩ))
Manual operation (only GS 31.10 knx)	manual adjustment of set-point temperature (adjustment range $\pm 3^\circ$, increment $0,5^\circ$)
Measuring range temperature	0...+50 °C
Measuring range relative humidity	0...100 %
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 max. 6 x 0,5 mm ² strip length 7 mm



Functions and data provided to KNX bus:

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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