

KNX ROOM CLIMATE CONTROLS

Room temperature control and hygostat GS 3x.10 knx



Overview

- Room temperature control
- Sensors for temperature, humidity and atmospheric pressure measurement
- Humidity sensor (Measuring range 0...100 % rel. humidity)
- 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
- GS 31.10 knx: manual adjustment of set-point temperature (adjustment range $\pm 3^\circ\text{C}$, increment 0,5°) via touch panel

Order numbers

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GS 30.10 knx	Room temperature control and hygostat
GS 31.10 knx	Room temperature control and hygostat with manual adjustment of set-point temperature $\pm 3^\circ\text{C}$

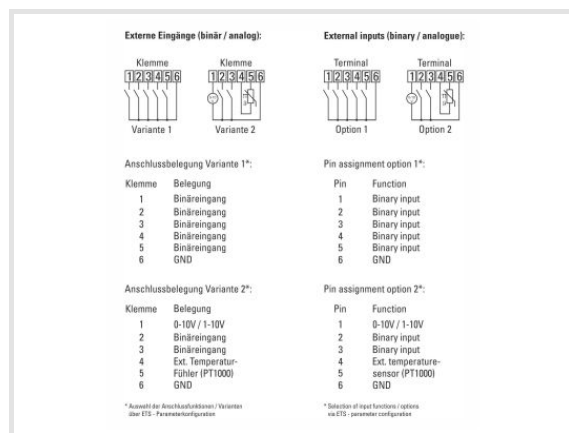
Technische Änderungen vorbehalten.

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Room temperature control and hygrostat GS 3x.10 knx

Technical data

Supply voltage	via KNX bus voltage
Bus current	< 10 mA
Bus system	KNX
Sensors	Temperature Relative humidity Atmospheric pressure Dew point
Manual operation (only GS 31.10 knx)	manual adjustment of set-point temperature (adjustment range $\pm 3^\circ\text{C}$, increment $0,5^\circ$)
Measuring range temperature	$0^\circ\text{...}+50^\circ\text{C}$
Measuring range relative humidity	$0\text{...}100\%$
Measuring range atmospheric pressure	$300 - 1.100\text{ hPa}$
Permitted ambient temperature	$0^\circ\text{...}+50^\circ\text{C}$
Housing	self-extinguishing thermoplastic
Housing color	studio white (similar to RAL 9016)
Mounting	Wall mounting (preferably combined with hollow-wall box)
Type of connection (KNX)	PCB push-in terminal block
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. $6 \times 0,5\text{ mm}^2$ strip length 7 mm



Functions and data provided to KNX bus:

Relative humidity	Value output Control (step and PI control)
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...	

Technische Änderungen vorbehalten.

