

HUMIDITY CONTROLLERS

Room temperature controllers and hygrostats GS 37.11 knx / GS 38.11 knx



Overview

- Detection of temperature, relative humidity and atmospheric pressure
- Temperature sensor (Measuring range 0...+50°C)
- Humidity sensor (Measuring range 0...100 % rel. humidity)
- Humidity comparator function
- 5 binary and analogue inputs (e.g. for connecting an external temperature sensor)
- Clearly structured ETS
- Easy installation and mounting
- Modern design
- Flush mounting
- Fits in common switch range (55 x 55 mm)
- GS 38.11 knx: manual adjustment of set-point temperature via touch slider (adjustment range $\pm 3^\circ$, increment 0,5°)
- rH - monitor
- **Frame is not included in delivery**

Zubehör



TF06 Temperature sensor

Order numbers

■ müller

GS 37.11 knx

room temperature controller and hygrostat & rH-monitor

GS 38.11 knx

room temperature controller and hygrostat with manual set-point temperature adjustment $\pm 3^\circ\text{C}$ & rH-monitor

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Order information

	EAN	Art. No.
GS 37.11 knx	4022709243775	24377
GS 38.11 knx	4022709243782	24378

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 I1: analog input 0-10 V I4 & I5: For external temperature sensor input for most common temperature sensors
Manual operation	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	55 x 55 mm
Housing color	studio white (similar to RAL 9016) specific colors on request
Mounting	flush-mounting
Type of connection	push-in connector KNX-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 0,2 - 4,0 mm ² strip length 10 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
Heat index	Value output Alarms
Air pressure	Value output
VAV control	Value output (0...100%)
and much more...	

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