

KNX ROOM CLIMATE CONTROLS

Air quality sensors & controls GS 4x.10 knx



Overview

- Detection of air quality (CO₂-concentration, rel. humidity, temperature)
- CO₂-sensor (Measuring range 390–10.000 ppm)
- CO₂-value is atmospheric pressure compensated
- Sensors for CO₂-, temperature, humidity and atmospheric pressure measurement
- Humidity sensor (Measuring range 0...100% rel. humidity)
- Temperature sensor (Measuring range 0°...+50°C)
- GS 41.00 knx: manual adjustment of set-point temperature (adjustment range $\pm 3^{\circ}\text{C}$, increment 0,5°) via touch panel
- Clearly structured ETS
- Easy installation and mounting
- Modern and planar design
- Wall mounting

Order numbers

■ müller

GS 40.00 knx

CO₂- air quality sensor & control

GS 41.00 knx

CO₂- air quality sensor & control with manual adjustment of set-point temperature $\pm 3^{\circ}\text{C}$

Technische Änderungen vorbehalten.

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Technical data

Supply voltage	via KNX bus voltage
Bus current	< 10 mA
Bus system	KNX
Sensors	CO ₂ Temperature Relative humidity Atmospheric pressure Dew point
Manual operation (only GS 41.00 knx)	manual adjustment of set-point temperature (adjustment range $\pm 3^{\circ}\text{C}$, increment $0,5^{\circ}$)
Measuring range CO ₂ -concentration	390-10.000 ppm
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
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

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)
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.

