KNX ROOM CLIMATE CONTROLS

Air quality sensors & controls GS 4x.10 knx

Overview

- Detection of air quality (CO_2-concentration, rel. humidity, temperature)
- CO_2-sensor (Measuring range 390–10.000 ppm)
- CO_2-value is atmospheric pressure compensated
- Sensors for CO_2-, temperature, humidity and atmospheric pressure measurement
- Humidity sensor (Measuring range 0...100% rel. humidity)
- Temperature sensor (Measuring range 0°...+50°C)
- 5 binary and analogue inputs (e.g. for connecting an external temperature sensor)
- GS 41.10 knx: manual adjustment of set-point temperature (adjustment range ± 3°C, increment 0,5°) via touch panel
- Clearly structured ETS
- Easy installation and mounting
- Modern and planar design
- Wall mounting

Order numbers

müller

GS 40.10 knx	CO_2- air quality sensor & control
GS 41.10 knx	CO_2- air quality sensor & control with manual adjustment of set-point temperature ± 3°C

Technische Änderungen vorbehalten.

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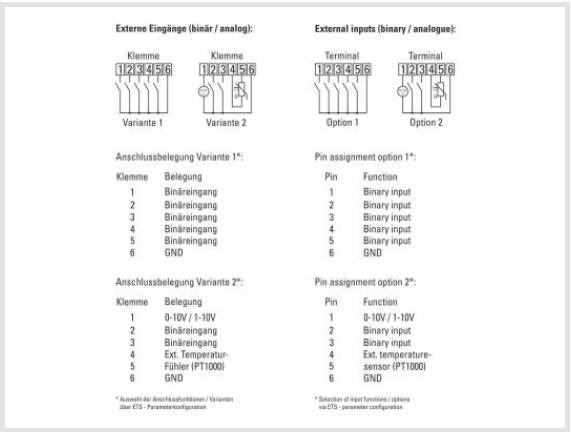
KNX ROOM CLIMATE CONTROLS

Air quality sensors & controls GS 4x.10 knx

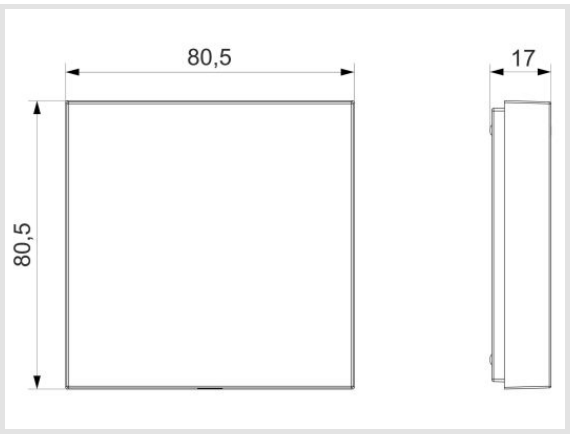
Technical data

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 41.10 knx)	manual adjustment of set-point temperature (adjustment range ± 3° C, increment 0,5°)
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 (preferrably 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 x 0,5 mm² strip length 7 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)
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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