■ **müller**

climate knx

GS 40.00 *knx*
GS 41.00 *knx*

GS 41.00 knx

GS 40.00 knx

■ Detection of the air quality
(CO_2-concentration, rel. humidity,
temperature)

■ CO_2-sensor
(Measuring range 390–10,000 ppm)

■ CO_2-value is atmospheric pressure
compensated

■ Humidity sensor
(Measuring range 0–100% rel. humidity)

■ Temperatur sensor
(Measuring range 0–50 °C)

■ Clearly structured ETS

■ GS 41.00 knx: manual adjustment of
set-point temperature
(adjustment range ± 3 °, increment 0,5 °).
Display with LEDs.

Following data and functions will be provided to the KNX bus and can be configured within ETS software:

■ Air quality control (CO_2 concentration / humidity)

■ Room temperature control

■ Dew point value output & alarm function

■ Atmospheric pressure

■ VAV control

Highlights

■ 4 sensors for room climate control

■ Easy handling and mounting

■ Modern and planar design

■ GS 41.00 knx: Set-point temperature manually adjustable (Adjustment range ± 3 °)

Additional information / accessories

Guideline for the carbon dioxide concentration in rooms

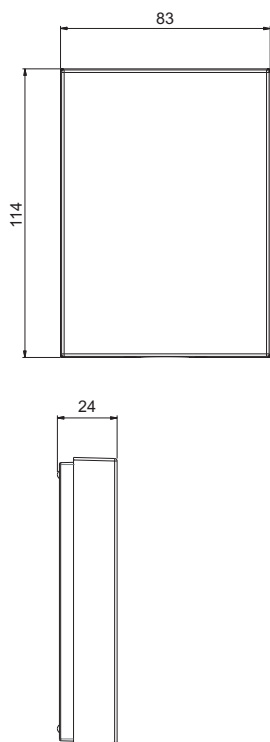| CO_2-concentration	Assessment of air quality
< 800 ppm	Good
800–1400 ppm	Moderately
> 1400 ppm	Low / Unhealthy

:hugomüller

Air quality sensors & controls GS 4x.OO *knx*
for wall mounting

83

114

24

Technical data

Power supply	via KNX bus voltage
Bus current	< 10 mA
Bus system	KNX
Sensors	CO_2, relative humidity, temperature, atmospheric pressure, dew point, VAV control
Manual operation **(GS 41.00 knx only)**	manual adjustment of set-point temperature (adjustment range ± 3 °; increment 0,5 °)
Measuring range CO_2-concentration	390–10.000 ppm
Measuring range relative humidity	0–100%
Measuring range temperature	0–50°C
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 bus terminal
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations

The ETS-Software of the air quality sensors & controls GS 4x.00 knx offers:

CO_2	■ Value output
	■ Control (step and PI control)
Relative humidity	■ Value output
	■ Control (step and PI control)
Temperature	■ Value output
	■ Control heating / cooling (2-point and PI control)
	■ Alarms
Dewpoint	■ Value output
	■ Alarm
Air pressure	■ Value output
VAV control **and much more…**	■ Value output (0…100%)

KNX®

Order number	Version	Man. temp. adjustment	Sensors
⟋ **GS 40.00 knx**	for wall mounting	—	CO_2, Temp., humidity, air pressure
⟋ **GS 41.00 knx**	for wall mounting	± 3° manually via Keypad	CO_2, Temp., humidity, air pressure

◤◸ Housing colour