

AIR QUALITY CONTROLLERS

Air quality sensors & controller GS 20.00 knx



Overview

- Detection of air quality
- VOC-sensor (Measuring range 0...5.000 µg/m³)
- Temperature sensor (Measuring range -20...+55 °C)
- Atmospheric pressure sensor
- Humidity sensor (Measuring range 0...100 % rel. humidity)
- Humidity comparator function
- Clearly structured ETS
- Easy handling and mounting
- Various mounting capabilities
- Compact housing

Order numbers

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GS 20.00 knx	VOC- air quality sensor & controller

Accessories



Mounting plate for wall box 200.001



Mounting angle 200.002

AIR QUALITY CONTROLLERS

Air quality sensors & controller GS 20.00 knx

Order information

	EAN	Art. No.
GS 20.00 knx	4022709240880	24088
GS 20.00 knx RAL9005 jet black	4022709241726	24172

Technical data

Supply voltage	via KNX bus voltage
Bus current	< 10 mA
Bus system	KNX
Sensors	VOC temperature relative humidity atmospheric pressure dew point
Measuring range VOC	0...5.000 µg/m ³
Measuring range temperature	-20...+55 °C
Measuring range relative humidity	0...100 %
Measuring range atmospheric pressure	300...1.100 hPa
Application software	ETS5 or higher
Permitted ambient temperature	-20...+55 °C
Housing	self-extinguishing thermoplastic
Dimensions	55 x 55 x 12 mm
Housing color	studio white (similar to RAL 9016) or jet black (similar to RAL 9005) specific colors on request
Mounting	wall mounting in frame (55x55mm) with mounting plate wall mounting with mounting angle
Type of connection	push-in connector
Type of protection	according to DIN EN 60529: IP X1 IP X4 when mounted with mounting angle
Class of protection	III when installed according to regulations
Type of connection external inputs	wire diameter max. 6 x 0,5 mm ² strip length 7 mm

Functions and data provided to KNX bus:

VOC	Value output Control (step and PI control)
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
Air pressure	Value output
VAV control	Value output (0...100 %)
and much more...	

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