

AIR QUALITY CONTROLLERS

Air quality sensors & controllers GS 47.11 knx / GS 48.11 knx



Zubehör



TF06 Temperature sensor

Order information

	EAN	Art. No.
GS 47.11 knx white	4022709243799	24379
GS 48.11 knx white	4022709242396	24239
GS 47.11 knx black	4022709244307	24430
GS 48.11 knx black	4022709244284	24428

Overview

- Detection of air quality (CO₂-concentration, rel. humidity, temperature)
- CO₂-sensor (Measuring range 425...5.000 ppm air pressure compensated)
- CO₂-value is atmospheric pressure compensated
- Sensors for CO₂-, temperature, humidity and atmospheric pressure measurement
- 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 [55 mm]
- Fits in common switch range (55 x 55 mm)
- manual adjustment of set-point temperature via touch slider (adjustment range ± 3°, increment 0,5°)
- CO₂ / rH - monitor
- **Frame is not included in delivery**

The 55 mm push-buttons from Müller are compatible with the switch programmes of leading manufacturers, including:

- GIRA Standard 55, E1, E2, E3, Event, Esprit, Studio
- BERKER B.3, B.7, S.1
- JUNG Serie A (A 550, A Plus, A FLOW, VIVA, A Creation), AS 500. Serie CD/LS with intermediate frame
- MERTEN System M (M-Pure, 1-M, M-Plan, M-Smart). System Design with intermediate frame
- BUSCH-JÄGER Balance SI. Future Linear, Art Linear with intermediate frame

Order numbers

■ müller	
GS 47.11 knx	CO ₂ - air quality sensor with CO ₂ /rH-monitor
GS 48.11 knx	CO ₂ - air quality sensor & controller with manual set-point temperature adjustment ± 3°C & CO ₂ /rH-monitor

AIR QUALITY CONTROLLERS

Air quality sensors & controllers GS 47.11 knx / GS 48.11 knx

Order information

	EAN	Art. No.
GS 47.11 knx	4022709243799	24379
GS 48.11 knx	4022709242396	24239
GS 47.11 knx RAL9005 jet black	4022709244307	24430
GS 48.11 knx RAL9005 jet black	4022709244284	24428

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 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 ± 3 °, increment 0,5 °)
Measuring range CO ₂ -concentration	425...5.000 ppm (air pressure compensated)
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	pure white (similar to RAL 9010) or jet black (similar to RAL 9005) 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:

CO ₂	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
Relative humidity	Value output Control (step and PI control) Comparator
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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