0-10V SENSORS
Air quality sensors GS 40.00 pro

Accessories

Back part for
surface wiring
200.004

Overview

- Detection of air quality
  (CO_2-concentration, rel. humidity, temperature)
- CO_2-sensor (Measuring range 390...5.000 ppm)
- CO_2-value is atmospheric pressure compensated
- Sensors for CO_2-, temperature, humidity and
  atmospheric pressure measurement
- Temperature sensor (Measuring range 0...+50 °C)
- Humidity sensor (Measuring range 0...100% rel.
  humidity)
- 3 control outputs (0-10 V) for measured values of CO_2
  concentration, rel. humidity and temperature
- Easy installation and mounting
- Modern and planar design

Information about CO2 and Covid-19

- Every person is emitting CO2 and aerosols e.g. during
  breathing. Today **aerosols are claimed to be one of
  the transmission ways of SARS-CoV-2**. CO2-
  concentrations can be measured and the correlation
  between the CO2 and the aerosol concentration can be
  used for analytical investigations, which use the
  measured CO2-concentration to calculate a likely
  aerosol concentration. (*TU Berlin*)
- A longer stay in small, bad or not vantilated room can
  increase the probability of a Covid-19 spread by
  aerosols even on bigger distances over 2 m. (*RKI*)
- The use of our CO_2-sensors and the resulting room
  ventilation **helps minimizing the risk of infection** e.g.
  in schools or offices, gyms, restaurants or other
  premises where several people stay together.

Order numbers

■müller	
GS 40.00 pro	CO_2- / air quality sensor (0-10 V)

0-10V SENSORS
Air quality sensors GS 40.00 pro

Order information

	EAN	Art. No.
GS 40.00 pro	4022709243317	24331
GS 40.00 pro RAL9005 jet black	4022709243218	24321

Technical data

Supply voltage	24 V ACDC
Sensors	CO_2 Temperature Relative humidity Atmospheric pressure Dew point
Measuring range CO_2-concentration	390-5.000 ppm
Measuring range temperature	0°...+50° C
Measuring range relative humidity	0...100%
Measuring range atmospheric pressure	300-1.100 hPa
Outputs	3x analogue outputs (0-10 V)
Analogue measurement output	Temperature: 0 - 50° C Relative humidity: 0 - 100% Carbon dioxid CO_2: 0 - 2000 ppm
Permitted ambient temperature	0°...+50° C
Housing	self-extinguishing thermoplastic
Dimensions	80,5 x 80,5 x 17 mm
Housing color	studio white (similar to RAL 9016) or jet black (similar to RAL 9005) Specific colors on request
Mounting	Wall mounting (preferrably combined with flush-mounting box)
Type of connection	Push-in connector
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations
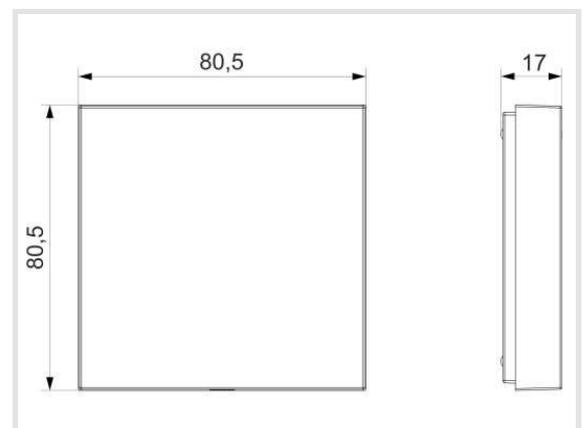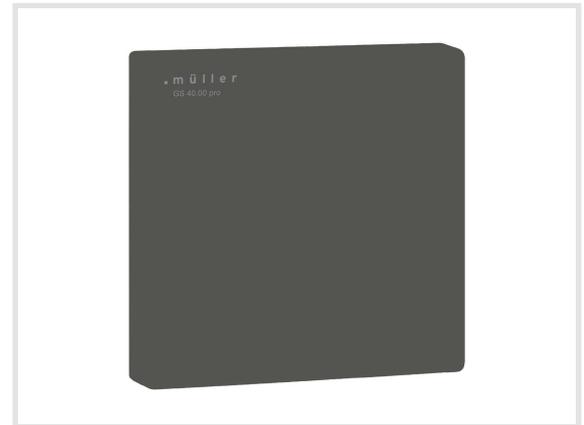
Functions and data provided to Modbus:

CO_2	Value output
Relative humidity	Value output
Temperature	Value output
Dewpoint	Value output
Air pressure	Value output
and much more...	

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