.müller

MODBUS SENSORS
Air quality sensors GS 40.00 mod

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
- Temperature sensor (Measuring range 0...+50 °C)
- Humidity sensor (Measuring range 0...100% rel. humidity)
- Modbus-Modes (ASCII / RTU) configurable
- Easy installation and mounting
- Modern and planar design

NEW:

- 3 control outputs (0-10 V) for measured values of CO_2 concentration, rel. humidity and temperature
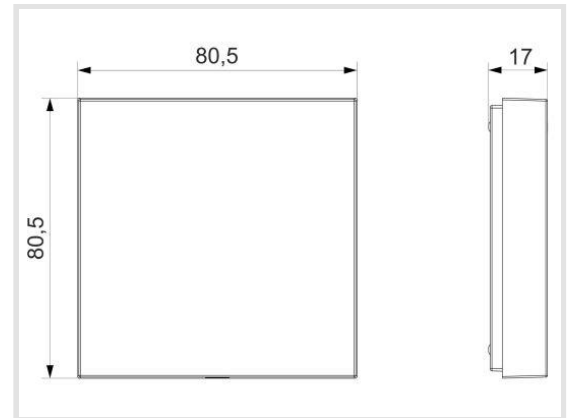
Order numbers

.müller	
GS 40.00 mod	CO_2- / air quality sensor

MODBUS SENSORS
Air quality sensors GS 40.00 mod

Technical data

Supply voltage	12-40 V DC
Bus current	<20 mA
Bus system	Modbus ASCII, Modbus RTU via RS 485
Baud rates	4800, 9600, 19200 (Default), 38400
Parity settings available	None, even, odd
Sensors	CO_2 Temperature Relative humidity Atmospheric pressure Dew point
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
Outputs	3x analogue outputs (0-10V)
Analogue measurement output	Temperature: 0-50°C Relative humidity: 0-100% Carbon dioxid CO_2: 500 – 2000 ppm
Permitted ambient temperature	0°...+50° C
Housing	self-extinguishing thermoplastic
Housing color	studio white (similar to RAL 9016) Specific colors on request
Mounting	Wall mounting (preferrably combined with hollow-wall box)
Type of connection	PCB push-in terminal block
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...	

Rights to technical amendments reserved / Technische Änderungen vorbehalten
Droits de modifications techniques réservés / Suscettibile di errori e modifiche