

MODBUS SENSORS

Room temperature sensor with hygrostat GS 40.40 mod / GS 41.40 mod



Accessories



Back part for
surface wiring
200.004



TF06 Temperature
sensor

Overview

- Detection of air quality (CO₂-concentration, rel. humidity, temperature)
- CO₂-sensor (Measuring range 425...5.000 ppm)
- 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)
- Modbus-Modes (ASCII / RTU) configurable
- 2 Control outputs (0-10 V)
- 2 Control outputs (FET)
- 1 input for external temperature sensor
- Easy installation and mounting
- Modern and planar design

Order numbers

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GS 40.40 mod		CO ₂ - / Air quality sensor
GS 41.40 mod		CO ₂ - / Air quality sensor with manual set-point temperature adjustment

MODBUS SENSORS

Room temperature sensor with hygrostat GS 40.40 mod / GS 41.40 mod

Order information

	EAN	Art. No.
GS 40.40 mod	4022709246233	24623
GS 41.40 mod	4022709246240	24624

Technical data

Supply voltage	20-28 V DC 50-60 Hz
Power consumption	<30 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
Outputs 2x 0-10 V	max. 2mA
Outputs 2x FET	Inrush current: max 1.2A Permanent current: max. 350mA
Inputs	External temperature sensor (can alternatively be used as a contact input)
Measuring range CO ₂ -concentration	425-5.000 ppm
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	80,5 x 80,5 x 17 mm
Housing color	studio white (similar to RAL 9016) Specific colors on request
Mounting	Wall mounting (preferably combined with flush-mounting box)
Type of connection	Screw terminals
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
Temperature	Value output
Relative humidity	Value output
Air pressure	Value output
Dewpoint	Value output
and much more...	

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