

CARBON MONOXIDE / CO DETECTORS

Carbon monoxide detector / CO sensor GS 80.22 knx



Accessories



TF06 Temperature sensor

Overview

- KNX carbon monoxide sensor
- This device is not suitable for use in safety-related applications, it is in particular not certified according to EN 50291-1
- Integrated optical / acoustic alarms for increased carbon monoxide concentrations, e.g. in living rooms
- Direct connection via KNX-TP interface
- Can be operated as stand-alone as well*
- Configurable thresholds for carbon monoxide concentrations
- Input for test-/reset function
- 2 binary inputs
- 2 binary outputs
- Additional measurement of room temperature, humidity and atmospheric pressure
- Clearly structured ETS
- Easy installation and mounting
- Modern and planar design
- Wall mounting
- *KNX-bus voltage necessary

Order numbers

■ müller
GS 80.22 knx

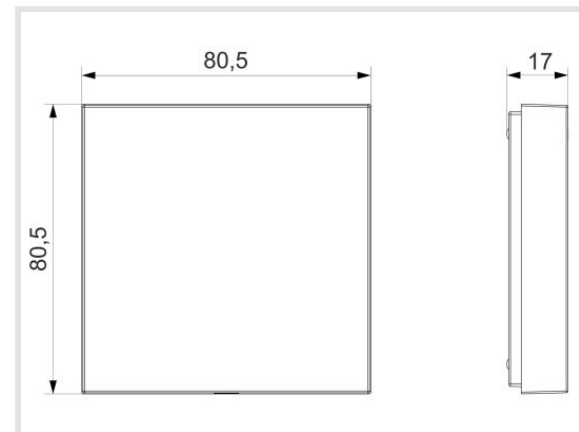
Carbon monoxide sensor / CO sensor knx with binary inputs & outputs

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Technical data

Supply voltage	via KNX bus voltage
Bus current	In standard operation 5mA In alarm-case until 16 mA
Bus system	KNX-TP
Inputs	1x test/reset input (T/R) 2x binary inputs Inputs 1 & 2 combinable as external temperature sensor input (PT1000 / Müller TF06) (this function occupies both inputs 1 & 2).
Outputs	2x binary outputs - configurable as LED-driver (< 3 mA) - configurable as PWM output signal - configurable as „open-collector“ output with the following specifications: ▪ ext. supply voltage U max . = 50 V DC ▪ max. current (I max) = 80 mA ▪ output level low = 0,5 V DC
Sensors	Carbon monoxide (CO) Temperature Relative humidity
Measuring range CO-concentration	5...1.000 ppm (air pressure compensated)
Expected life span	8 years
Sound intensity	> 85 dB (A) / 1m
Measuring range temperature	0°...+50° C
Measuring range relative humidity	0...100%
Permitted ambient temperature	0°...+50° C
Housing	self-extinguishing thermoplastic
Housing color	studio white (similar to RAL 9016)
Mounting	Wall or ceiling mounting (preferably combined with hollow-wall box)
Type of connection (KNX)	PCB push-in terminal block
Type of protection	IP 20 (DIN EN 60529)
Class of protection	III when installed according to regulations
Type of connection external inputs/outputs	Wire diameter max. 6 x 0,5 mm ² strip length 7 mm



Functions and data provided to KNX bus:

CO (carbon monoxide)	Alarm functions Value output Thresholds
Relative humidity	Value output
Temperature	Value output
and much more...	

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