

Product data sheet

CO₂ multi-sensor



Reference number

CO2 LS 2178

KNX CO₂ multi-sensor

with integrated BCU
with humidity sensor and room temperature controller
with integrated push-button interface 2-gang

Intended use

- Measurement of CO₂ concentration, relative air humidity and air temperature
- Output of the measured values as telegram to the bus, e.g. for controlling fans or window drives via KNX telegrams
- Single-room temperature control in KNX installations
- Installation in flush box according to EN 60670-1

Product characteristics

- Limit value monitoring for CO₂ concentration (max. 4 threshold values) and air humidity (max. 2 threshold values)
- Dew point alarm e.g. for cooling blankets and conservatories, to avoid mould formation
- Two binary inputs for connection of floating contacts e.g. buttons, switches, window contacts
- Logic gates for simple gating functions

Technical data

KNX medium:	TP 256
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	typical 12.5 mA max. 25 mA (4 s/15 s as a cycle)
Connection, KNX:	terminal
Protection class:	III
Ambient temperature:	-5 ... +45 °C
Binary inputs	
Cable length:	max. 5 m
Cable type:	J-Y(St)Y 2 x 2 x 0.8 mm
CO ₂ sensor	
Measuring range:	0 ... 2000 ppm
Humidity sensor	
Measuring range:	10 ... 95 % relative humidity (r. h.)
Temperature sensor	
Measuring range:	-5 ... +45 °C

Duroplastic (scratch-proof) glossy

Colour:
ivory

Material:
duroplastic