

CLIMATE CONTROLS

Particulate matter sensor GS 70.00 knx



Overview

- Detection of particulate matter, VOC, rel. humidity and temperature
- Particulate matter sensor (Measuring range 0...50 µg/m³ - PM2.5)
- VOC sensor (Measuring range 0...5.000 µg/m³)
- Temperature sensor (Measuring range 0...+50 °C)
- Humidity sensor (Measuring range 0...100 % rel. humidity)
- Particulate matter comparator function
- Humidity comparator function
- Clearly structured ETS
- Easy installation and mounting
- Modern and planar design
- Wall mounting

Order numbers

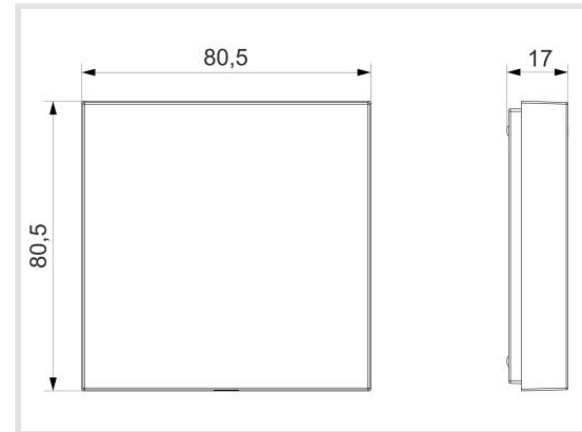
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GS 70.00 knx	Particulate matter sensor

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Technical data

Supply voltage	via KNX bus voltage
Bus current	< 10 mA
Auxiliary voltage	9...12 V DC
Bus system	KNX
Sensors	Particulate matter VOC Temperature Relative humidity Atmospheric pressure Dew point
Measuring range particulate matter	0...50 µg/m³
Measuring range VOC	0...5.000 µg/m³
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
Housing color	studio white (similar to RAL 9016) Specific colors on request
Mounting	Wall 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	Wire diameter max. 6 x 0,5 mm² strip length 7 mm



Functions and data provided to KNX bus:

Particulate matter	Value output Control (step and PI control) Comperator
VOC	Value output Control (step and PI control)
Relative humidity	Value output Control (step and PI control)
Temperature	Value output Control heating (2-point- and PI control) Control cooling (2-point- and PI control) Alarms
Dewpoint	Value output Alarms
Air pressure	Value output
VAV control	Value output (0...100%)
and much more...	

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