

## MDT Air Quality/CO2 Sensor, flush mounted

Version		
SCN-MGSUP.01	Air quality VOC gas sensor	Flush mounted, White glossy finish, 55mm

The MDT Air quality VOC gas sensor with carbon oxide equivalent calculation monitors the air quality in closed rooms. The MDT Air quality VOC gas sensor captures periodically the current CO2 and temperature data to control the ventilation with fresh air.

These functions are available.

- Integrated temperature controller (PI, Two-position, PWM)
- Temperature limit values min/max, frost protection alarm
- Air quality limit value
- PI controller to regulate air quality
- 4 stage controller to switch HVAC with single object for each stage
- Measurement range from 400-2000ppm
- 4 objects to display the air quality in visualisations (e.g. green, yellow, orange, red)
- Day/night objekt

Fits 55mm systems:

- GIRA Standard 55, E2, Event, Esprit
- BERKER S1, B3, B7
- JUNG A500, Aplus, Acreation, AS500
- MERTEN 1M, M-Smart, M-Plan, M-Pure

The MDT Air quality VOC gas sensor is a flush mounted device for fixed installations in dry rooms. It is delivered with support ring.

For project design and commissioning of the MDT Air quality VOC gas sensor it is recommended to use the ETS. Please download the application software at [www.mdt.de/Downloads.html](http://www.mdt.de/Downloads.html)

SCN-MSGUP.01



- Production in Germany, certified according to ISO 9001
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  - MERTEN 1M, M-Smart, M-Plan, M-Pure
- Integrated temperature controller (PI, Two-position, PWM)
- Temperature limit values min/max, frost protection alarm
- Air quality limit value
- 4 stage controller to switch HVAC with single object for each stage
- Measurement range from 400-2000ppm
- 4 objects to display the air quality in visualizations (e.g. green, yellow, orange, red)
- Day/night objekt
- Installation with support ring in wind sealed socket
- Power supply via KNX bus without auxiliary voltage
- Integrated bus coupling unit
- 3 years warranty

<b>Technical Data</b>	SCN-MSGUP.01
<b>Measurement range CO2 concentration</b>	400-2000ppm
<b>Measurement range temperature</b>	0-40°C
<b>Specification KNX interface</b>	TP-256
<b>Available application software</b>	ETS 3/4/5
<b>Permitted wire gauge</b>	
KNX busconnection terminal	0,8mm Ø, solid core
<b>Supply voltage</b>	KNX Bus
<b>Power consumption KNX bus typ.</b>	< 0,3W
<b>Operation temperature range</b>	0 to + 45°C
<b>Enclosure</b>	IP 20
<b>Dimensions (W x H x D)</b>	55mm x 55mm x 13mm

\* The Air quality VOC gas sensor is not suitable for safety relevant gas measurements

## Exemplary circuit diagram MSGUP.01

