TECHNICAL DATA

ABB i-bus® KNX

LGS/A 1.2

Air Quality Sensor with RTC

Description of product

The device is a functional measuring device and is installed surface-mounted on the wall. As well as monitoring the air quality, it also offers the option of controlling room air conditioning.

The device measures the following values:

- CO_2 content of the air
- Relative humidity of the room
- Temperature
- Air pressure (absolute)

Technical data		
Power supply		24 V DC (via bus line)
KNX connection		Bus connecting terminal, screwless
Bus subscribers		1 (≤ 12 mA)
Temperature range		- 5 °C ... +45 °C
Storage temperature		-10 °C ... +60 °C
Protection type		IP 20
Protection class		III
Dimensions		80,5 x 80,5 x 17 mm (H x W x D)
Parameter setting		Parameters are set using the ETS Tool Software
Display values	Carbon dioxide	390 ppm ... 10000 ppm
	Relative humidity	0 % ... 100 %
	Temperature	0 °C ... 35 °C
	Air pressure	300 hPa ... 1100 hPa
Nominal current		< 9 mA
Calibration		Calibration: Automatic when the KNX voltage is connected
Mode of operation (DIN EN 60730-1)		See operating instructions
Degree of contamination (DIN EN 60730-1)		See operating instructions

Software				
Device type	**Application**	**Max. number of group objects**	**Max. number of group addresses**	**Max. number of associations**
LGS/A 1.2	Air Quality Sensor with RTC/...*	152	255	255

* ... = Current version number of the application. **Please refer to the software information on our website for this purpose.**

Ordering details					
Device type	**Product Name**	**Order No.**	**bbn 40 16779 EAN**	**Weight 1 pcs. [kg]**	**Packaging [pcs.]**
LGS/A 1.2	Air Quality Sensor with RTC	2CDG120059R0011	01571 4	0,06	1

NOTE

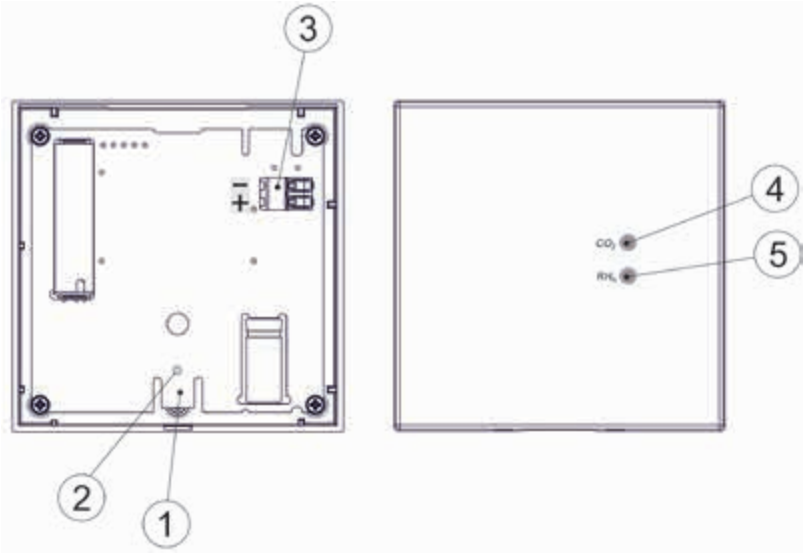
Please refer to the LGS/A 1.2 Air Quality Sensor with RTC product manual for a detailed description of the application. It is available free of charge at www.abb.com/knx.

The Engineering Tool Software, ETS, version 4.2.0, 5.5.3 or later, and the current device application are required for programming.

The current application is available for download on the Internet at www.abb.com/knx along with the corresponding software information. After import into ETS it appears in the Catalogs window under Manufacturers/ABB/Heating, ventilation, air conditioning/Air Quality Sensor.

The device does not support the locking function of a KNX device in ETS. If you use a BCU code to inhibit access to all the project devices, this has no effect on this device. Data can still be read and programmed.

Connection



LEGEND

1 Programming button
2 Programming LED
3 Bus connection terminal
4 CO_2 display LED
5 Relative humidity display LED

NOTE

To operate the Programming button, press down with your finger at the marked location on the circuit board. A “clicking” sound can be heard.

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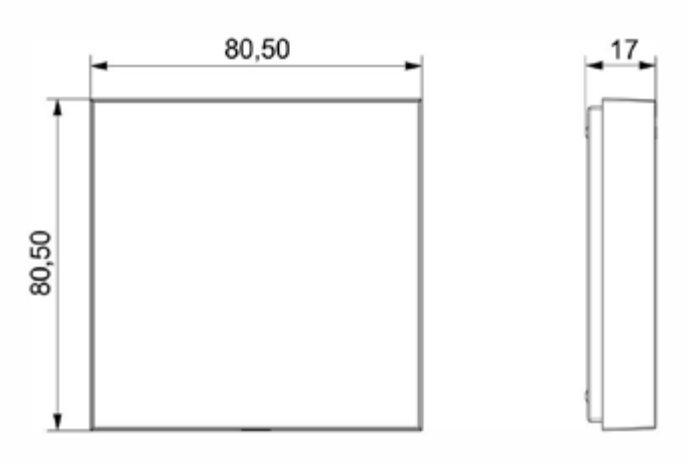
Dimension drawing



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