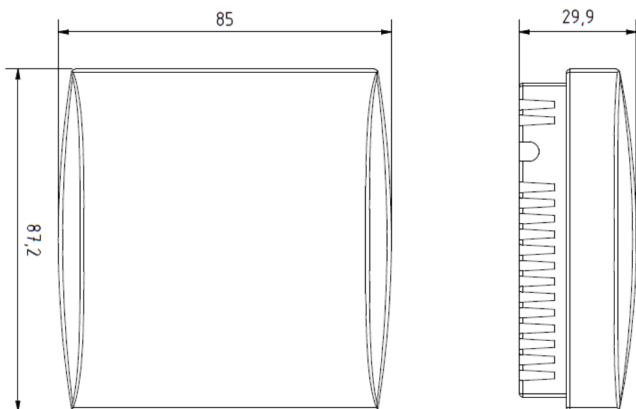
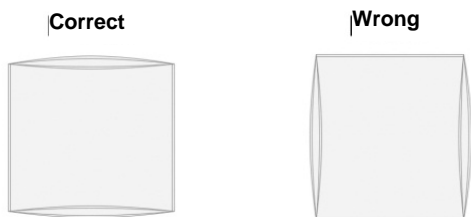


Technical Drawing:



Mounting:

- The convection must up / be aligned at the bottom to flow through with air to ensure (see Fig . 1)
- The sensor should always be mounted on the opposite wall of the radiator
- Ideal mounting height of 1.5m above the floor



Picture 1

TITEC®
Seit 25 Jahren auf höchstem Niveau

°C Temperatur % Feuchte CO² Luftqualität Pa Druck

RACO2
Room CO²-Sensor



Application

To measure the air quality in residential, commercial, office space. By an appropriate algorithm, CO² equivalents can be derived as the olfactory emissions its carbon value overlap (see chart - under Startup Information) .

The probe has a universal output. It can be a 0 ... 10V or 4 ... 20mA signal from this output.



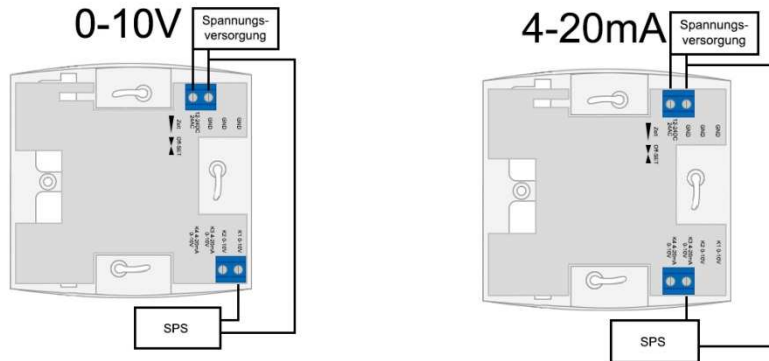
Adress: TITEC® Temperaturmesstechnik GmbH
Niederwiesen 7
78199 Bräunlingen
Germany

Phone: +49771/158930-0
Fax: +49771/158930

Technical Specifications:

Power Supply	16-36 V/DC 24V/AC
Output	0...10V or 4...20mA
Measuring Range	0...2000ppm
Analog Output Voltage	0-10V (min. load resistance 10...100Ohm)
Output Current	4...20mA (burden 600 Ohm)
Operating Temperature	-30...+50°C
Operating Humidity	0...98% r. F.
Connection	Screw-In 1,5mm ²
Housing	Material ABS, color RAL9010
Dimensions	87x85x30mm
Protection Class	IP20

Electrical Connection:



Notifications:

The sensor is designed only for normal ambient conditions (room air), corrosive gases can destroy him. The installation has a decisive effect on the measurement accuracy. Window (cold outside wall) or close to the door (drafts) should be avoided.

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Commissioning Notes:

Due to the necessary heating phase, it takes about 15 min. until the sensor emits a signal. In this phase, the sensor should be exposed to the fresh air, since it takes this as a reference. If you take away the supply voltage in short, he needed again 15min.

In general, the sensor should be supplied at least once per day with fresh air, as he regularly calibrates itself to this.

This process prevents long-term drift of the sensor which is very stable.

If the sensor has a longer time to carry out any possibility of this calibration with fresh air, the output will go to 10V.

General Information:

- Installation of the equipment must be performed by qualified personnel.
- The device may only be connected with the power off!
- The safety of the VDE, the states, the TÜV and the local energy supply company must be observed.
- The EMC directives are observed. It can be used shielded connecting cables, and a parallel installation to live
- Pipes to be avoided.
- The operation in the vicinity of equipment that does not comply with EMC directives may adversely affect the functioning
- The buyer has to ensure compliance with the applicable building and safety guidelines
- This product should not be used for safety-related tasks, such as for the protection of persons as emergency stop switch on equipment.
- Improper use of any deficiencies or damage are excluded from warranty or liability.
- Consequential damages caused by a fault in this device are excluded from warranty or liability.
- Only the technical data and connecting conditions of installation and operating instructions supplied with the instrument. Changes are possible at any time in the sense of technical progress and the improvement of the products.
- Changes of the device by the user, all warranty claims.