

## Product description

# GTQD – Temperature- and CO<sub>2</sub> sensor [Duct mounted]

Version B12

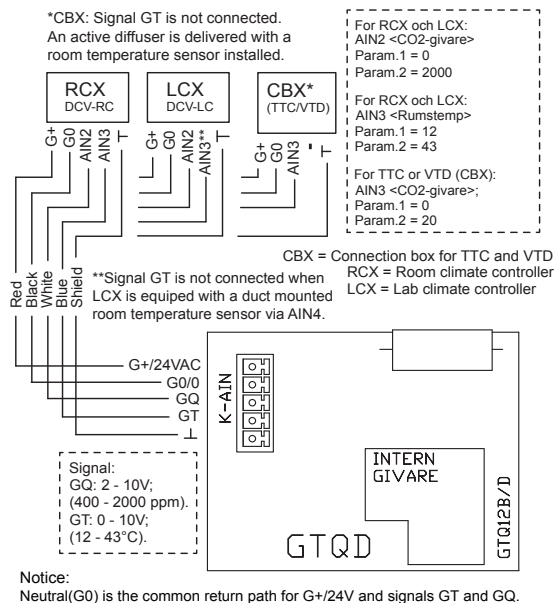
## Introduction GTQD

GTQD is a combined temperature and carbon dioxide sensor that is designed to be fitted in a duct. Both sensors are mounted in an encapsulation that includes an insertion tube.

- It is intended for use together with room climate controller RCX, lab climate controller LCX or an active supply air diffuser.
- It is primarily intended for controlling the carbon dioxide concentration in the ventilated room, with an option of additional room temperature measurement.
- The active supply air diffusers TTC and VTD are already equipped for room temperature measurement.

## Function

The temperature sensor provides a 0-10 V output signal for the range 12-43°C and the carbon dioxide sensor provides a 2-10 V output signal for the range 400-2000 ppm to the connected controller.



GTQD – Temperature and carbon dioxide sensor; designed with an insertion tube to be fitted in a duct.

## Technical specifications

### General

#### Temperature sensor

Sensor with thermistor of the negative temperature coefficient (NTC) type, connected to electronics that give an output signal in the range 0-10V.

#### Carbon dioxide sensor

Self calibrating, Automatic Baseline Correction (ABC). The CO<sub>2</sub> module is connected to electronics that give a 2-10V output signal.

#### Accuracy

Temperature ± 0.5 K

CO<sub>2</sub> concentration: ± (70 ppm + 3% of displayed value)

#### Dimension

L110xW90xH100 mm

Length (L) including screw fitting and height (H) including insertion tube.

#### Material

ABS encapsulation

#### Colour

Polar white

## Electrical system

### Supply

24 VAC

### Output

<0.5 VA

### CE marking

Complies with EMC and the Low Voltage Directive

### IP class

IP31 encapsulation

### Output signals

1 x 0-10 V for the range 12-43°C, linear.

1 x 2-10 V for the range 400-2000 ppm, linear.

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## Additional product documentation GTQD

Table 1: Additional documentation for GTQD can be obtained via links on the product's website under Products at [www.lindinvent.se](http://www.lindinvent.se)

Document	Available	Not available	Comments
Installation Instruction	●		Hole making in duct and connection
Start-up instruction		●	Not applicable
Maintenance instruction		●	Regarded as maintenance-free
External connection diagram	●		
Environmental product declaration	●		Assessed by Bygghälsömdöningen and Sundahus
User information		●	Not applicable
Modbus list		●	Not applicable
AMA text	●		

Product documentation can be downloaded via  
[www.lindinvent.se/produkter/](http://www.lindinvent.se/produkter/)



### Contact

[www.lindinvent.se](http://www.lindinvent.se)  
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