

Room temperature sensor GLOBAL

1. General

The temperature sensor is intended for wall mounting and is equipped with a screw terminal connections. The temperature sensor CID370042 is designed for measuring the room temperature. The room temperature sensor is designed to replace the extract air temperature sensor inside the GLOBAL air handling unit. The room temperature sensor is used when the temperature in a room shall be given priority. It can also be used if there are temperature losses in the extract air duct up to the air handling unit's point of measurement. The measuring principle of the temperature sensor is based on an internal sensor that outputs a temperature-dependent resistance signal.



Fig. 1: Room temperature sensor

CID370042

2. Installation

Remove the top cover on the temperature sensor by pressing the locking tabs on the sides of the cover with a small screwdriver, to disengage them. Secure the temperature sensor to an interior wall by means of two screws. The temperature sensor's slots that enable airflow through the sensor must be vertical. Position the temperature sensor at a representative point of measurement about 1.5 metres above the floor. Avoid sources of interference such as radiators, direct solar radiation and the like.

2.1 Electrical connections

The connections are made on terminal screws, secured against loss due to unscrewing. The electrical connections should be wired by a qualified electrician in accordance with local electrical safety regulations.

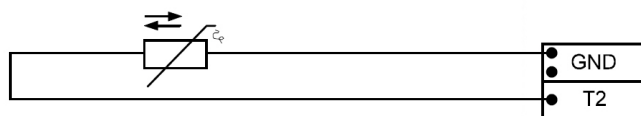
2.2 GLOBAL Air Handling Unit

Connect the cable to connectors T2 and GND on the control unit of the GLOBAL air handling unit. The room temperature sensor will replace the connected extract air temperature sensor already connected to the connections T2 and GND. See the wiring diagrams.

TECHNICAL DATA

Measuring range:	-30°C ... +70°C
Sensor element:	NTC10kOhm @25°C (Acc. DIN 44070)
Max. Current:	1mA
Wiring:	0,14 - 1,5mm ²
Protection class:	IP30 (Acc. EN 60 529) III (Acc. EN 60 730)
Ambient humidity:	Max. 90% r.H. non condensing
Dimensions:	85 x 85 x 27mm
Colour:	Pure white (similar to RAL9010)

WIRING DIAGRAM



DIMENSIONS

