

Installation instructions for the Temperature sensor, extract air duct, TBLZ-1-76 **GOLD**

1. General

The temperature sensor is used for measuring the temperature in an extract air duct, for example in applications involving evaporative cooling.

The temperature sensor is supplied with a 7 metre long cable for bus communication and is connected by means of its modular connector.

The communication cable is used for voltage feed and signal transmission.

Secure the sensor to the ventilation duct using the duct mounting bracket supplied.

The temperature values are transmitted via Modbus communication to the air handling unit control circuit card.



2. Installation

Install the temperature sensor inside the extract air duct. The temperature sensor's mounting position will not affect its operation but it should not be installed vertically with its connection pointing down since this could cause moisture to accumulate inside the sensor.

It is important to install the sensor so that the sensor housing (in the point of the sensor) is positioned in the centre of the duct.



3. Technical data

Connection port RJ 12 6/6 Voltage feed 24 V DC

(Via modular connector)

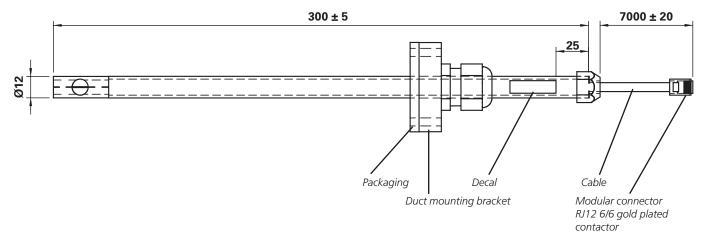
Range of measurement -40 – 123°C Measurement accuracy <0.5°C, 15 – 40°C

Resolution, temp. 0.01 °C

Enclosure class:

inside the duct IP32 to EN 60529 outside the duct IP54 to EN 60529

Dimensions



4. Electrical connections

Wire the temperature sensor to the control circuit card through the junction hood cable grommets or on the inspection side of the air handling unit.

The temperature sensor should be connected to the internal communication bus.

Possible connections are circled in the figure to the right.

GOLD RX/PX/CX/SD, Version E/F

