

Duct temperature transmitter



TTH-6202

- Duct temperature
- Telescopic mounting
- OJ Air2 compatible
- QuickPlug™ installation
- Modbus RTU
- I/O saving

The TTH-6202 is a temperature transmitter that is designed to measure the temperature in a ventilation duct.

The TTH-6202 is particularly flexible and developed for direct duct mounting in ventilation systems. The transmitter can be used in both large and small duct sizes.

The TTH-6202 delivers the temperature digitally at the Modbus RTU and provides an advantageous combination of high quality and minimum installation costs.

Telescopic mounting

The temperature transmitter is telescopic and can be placed correctly in the airflow in both large and small ducts. The insertion depth can be adjusted from 50 to 250 mm.

OJ Air2 compatible

The TTH-6202 is fully integrated into the OJ Air2 system's software and can freely be configured instead of an arbitrary PT1000 input.

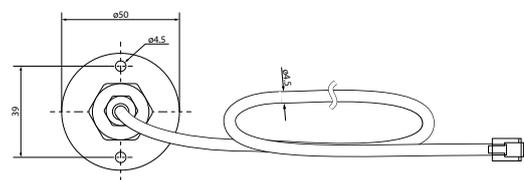
Simple installation

The TTH-6202 is connected to the OJAir2 system with QuickPlug™ Modbus, eliminating time-consuming installation faults and troubleshooting. The transmitter is delivered ready for mounting, because the cable and RJ12 connector have been mounted at the factory.

I/O saving

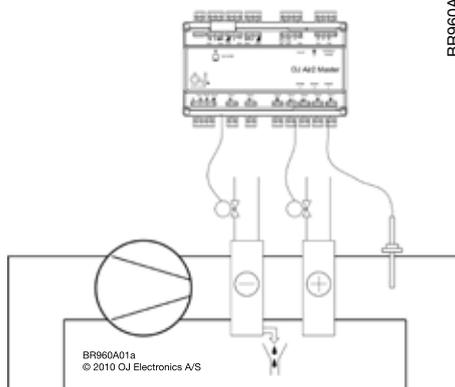
The TTH-6202 is connected with a Modbus connection. This saves an analogue temperature input and perhaps even an entire extension module in the associated control system.





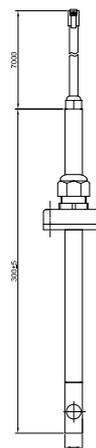
Connection

BR998A03a



Application example

BR960A01a



Dimensioned drawing

BR960B01a

Wide measurement range

The transmitter measures temperatures in the entire range from -40 to +85°C. With its greatest accuracy in the range from -10 to +85°C, the TTH-6202 is ideal for HVAC systems.

INSTALLATION

Installation of the transmitter

The TTH-6202 is installed in the ventilation duct with the accompanying flange on a flat surface. The ventilation air must be able to pass unimpeded through the sensor tip. Power to the TTH-6202 is supplied via the QuickPlug™ Modbus cable.

Cable connections

The transmitter is connected to one of the OJ Air2 system components with the factory-mounted QuickPlug™ cable.

PRODUCT PROGRAMME

TYPE	PRODUCT
TTH-6202	Duct temperature transmitter
OJ-Air2Master	AHU controller

TECHNICAL DATA

Supply voltage	24 V DC ±15% via QuickPlug™
Power consumption	< 0.17 W
QuickPlug™ Modbus	1 x RJ12 (6P6C)
Cable length	7 m
Measuring range	-40 til +85°C
Temperature accuracy	+/- 0.5 K @ -10 to +85°C +/- 2.0 K @ -40 to +10°C
Ambient operating temperature	-10/+40°C
Dimensions	Ø12 x 300 mm
Enclosure	IP54 outside duct IP32 inside duct
Weight	250 g

CE marking

The TTH-6202 complies with the requirements of the following directives:

- EMC Directive
- EN 61000-6-2
- EN-61000-6-3