

Measurement Range

Temperature	-40 ... 120 °C ± 0.5 °C / -40 ... 248 °F ± 0.9 °F
Humidity	0 ... 100 % RH ± 2 % (non-condensing)
CO2	400 ... 10 000 ppm (± 30 ppm, + 3 %)

Ambient Conditions

Temperature	-20 ... 55 °C / -4 ... 131 °F
Humidity	max. 95 % RH (non-condensing)
Ingress Protection	IP20

24 V DC & LOXONE Tree Terminals

Wire cross-section	0.28 ... 0.8 mm² / AWG 23 ... 18
Stripping length	5 ... 6 mm / 0.2 ... 0.24"
Temperature resistance	-40 ... 105 °C / -40 ... 221 °F



For more information
about this product, visit
loxone.com/help/room-comfort-sensor-tree

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For additional information,
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www.loxone.com/datasheets

Need Help?
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V161026

Room Comfort Sensor Tree

Part No.: 100276 (White)
Part No.: 100277 (Anthracite)

LOXONE

About the product

The LOXONE Room Comfort Sensor Tree ensures rooms are always comfortable, by measuring temperature, humidity, and air quality using a CO2 sensor. Together with the Miniserver, this information can be used to control, monitor and record statistics for the temperature and air quality in a room.

Features

- Temperature sensor
- Humidity sensor
- CO2 sensor

Electrical Specifications

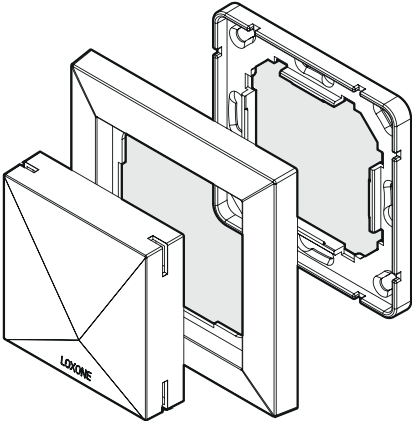
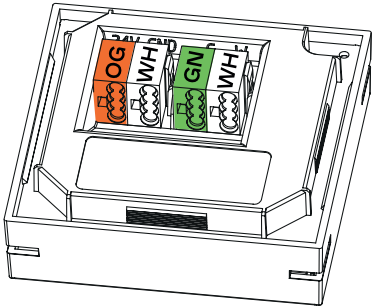
Supply Voltage	9 ... 28 V DC
Power Consumption	typ. 0.35 W
Power Loss	max. 0.16 W

Interface

LOXONE Tree	connection with Miniserver / Tree Extension
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Installation

1. Fix the mounting plate to the installation box.
2. Route the power supply and Tree communication wires through the frame and connect them to the Room Comfort Sensor Tree.
3. Place the Room Comfort Sensor Tree with the frame onto the mounting plate and gently press until it clicks into place.



Safety Instructions

Installation must be carried out by a qualified electrician in accordance with the applicable regulations.
This device is maintenance-free and must only be cleaned with a dry cloth.