Temperature and humidity sensor FTM 20 TF

Part no. 61255
Temperature and humidity sensor

benefits

- Maintenance-free battery-less operation
- Solar-operated energy storage module for several days of operation even in darkness
- Either easy adhesive mounting or placement by means of base
- Battery operation optionally possible
- EnOcean® wireless technology

Application

Wireless sensor for determination of the ambient temperature and air humidity at a defined location and transmission to AFRISOhome gateway.

Description

The temperature sensor FTM 20 TF measures the ambient temperature and the humidity at regular intervals. Significant changes of the sensor data are immediately transmitted to the AFRISOhome gateway; they can be used as parameters to control actuators such as the radiator actuators AVD 30 or extractor fans with EnOcean wireless technology.
The energy required to send a wireless telegram is generated by means of the integrated photovoltaic cell. The integrated energy storage module allows for several days of operation even in total darkness. In permanently dark environments (such as basements or warehouses) it is also possible to use a button cell battery.
A double-sided adhesive strip allows for extremely easy mounting of the compact housing to walls or furniture. It is possible to plug on a metal plate which serves as a base for placing the sensor on a shelf, a window sill or a sideboard.

The AFRISOhome gateway in conjunction with additional AFRISO smart home products with EnOcean® wireless technology allows the user to configure a whole range of fully customisable, extensible applications.

Technical Specifications

Operating temperature range
Ambient: -20/+60 °C

Measuring range
temperature: -20/+60 °C
Accuracy: ± 0.5 K
Humidity/moisture: 0/100 % rH
Accuracy: ± 4.5 % rH

Supply voltage
Energy harvesting (via photovoltaic cell)
CR1225 button cell

Housing
Colour: white, similar to RAL 9010
W x H x D: 76.2 x 22 x 15 mm
Weight: 20 g
Degree of protection: IP 40 (EN 60529)

EnOcean® wireless
FTM 20 TF
A5-04-03
Frequency: 868.3 MHz
Transmission power: max. 10 mW
Range: 10 – 30 m
Range: depending on room arrangement and materials in the building

Scope of delivery
• Temperature sensor
• Cap triangular or quadrangular
• Base
• 1 x adhesive tape/wall bracket
• without battery

necessary additional components
• AFRISOhome gateway

Versions

		Part no.
Temperature and humidity sensor FTM 20 TF	🔵	61255

🔵 in-stock items

⚪ Non-stock items