Room temperature sensor FT/FTF - wireless

Benefits

- Extremely flat with a height of 12.5 mm
- No cables required (operation via photovoltaic cell or battery)
- Flexible location-independent use anywhere in buildings
- EnOcean® wireless technology
- EEP (EnOcean® Equipment Profile): A5-10-03 (FT) oder A5-10-12 (FTF)

Application

Determination of the actual ambient temperature and adjustment of the reference value for the room temperature.

Versions

	Part no.
Room temperature sensor FT temperature	78111
Room temperature sensor FTF temperature, humidity	78119

Blue part no. = in-stock items

Description

The room temperature sensor FT transmits the actual ambient temperature as well as the reference room temperature via the integrated EnOcean® wireless module to the single room temperature controller CosiTherm® Wireless or to the AFRISOhome gateway. The room temperature sensor FTF also transmits the current humidity value. The reference value for the room temperature is adjusted by means of the integrated rotary knob. The actual temperature in rooms with an underfloor heating system is compared to the reference temperature on an ongoing basis. If there is a difference, the single room temperature controller CosiTherm® Wireless adapts volume flows of the heating/cooling water via the thermal actuators of the manifold system. The energy required to send reference temperature and actual temperature values is generated by means of an integrated photovoltaic cell; it is also possible to use a standard battery. The AFRISOhome gateway transmits alarm messages and changes in temperature and/or humidity via WLAN or LAN to the person in charge (for example, to the owner, the facility manager, the janitor or other configured contacts); the message includes information on which room temperature sensor has signalled the change. The AFRISOhome gateway in conjunction with additional AFRISO 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
Storage:	-20/+60 °C

Temperature adjustment range
8/30 °C

Measuring range

Temperature:	0/40 °C
Accuracy:	± 1 K
Humidity/moisture:	0/100 % rH
Accuracy:	± 5 % rH

Supply voltage
Energy harvesting (via photovoltaic cell)
CR1632 button cell (at daylight of less than 200 lx)

Housing
Wall mounting plastic
housing (PC)

Colour:	White, similar to RAL 9003
W x H x D:	78 x 82.5 x 12.5 mm
Weight:	43 g
Degree of protection:	IP 30 (EN 60529)

EnOcean® wireless

EEP	
FT:	A5-10-03
FTF:	A5-10-12
Frequency:	868.3 – 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
- Room temperature sensor
- 4 x adhesive dots

Necessary additional components
- CosiTherm® wireless and/or
- AFRISOhome gateway