



## Temperature and humidity sensor FTM TF

**Part no. 78145**

**Wireless transmitter FTM T/TF**

### benefits

- flexible location-independent use anywhere in buildings
- Wireless transmission, cyclically (function test and transmission of values)
- no cables required (operation via photovoltaic cell or battery)
- easy mounting via wall bracket
- EnOcean® wireless technology
- EEP (EnOcean® Equipment Profile): A5-02-05 (FTM T) or A5-04-01 (FTM TF)

### Application

Determination of the ambient temperature and air humidity at a defined location.

### Description

The **temperature sensor FTM T** transmits the current ambient temperature via the integrated EnOcean® wireless module to the AFRISOhome gateway.

The **temperature and humidity sensor FTM TF** also transmits the value of the current air humidity.

Based on the event message, the AFRISOhome gateway can trigger measures. The energy required to send a wireless telegram is generated by means of the integrated photovoltaic cell. An optional battery can be used for application in darker rooms. The ambient temperature can be readjusted via the single room temperature controller CosiTherm® Wireless in order to keep the room temperature from rising or falling. 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 temperature sensor has signalled the change. 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: 0/40 °C

Storage: -20/+60 °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)

1 x 3.6 V 1/2 AA lithium battery

(at daylight of less than 200 lx)

#### Housing

plastic housing (PC)

Colour: white, similar to RAL 9003

W x H x D: 52 x 40 x 17 mm

Weight: 24 g

Degree of protection: IP 30 (EN 60529)

**EnOcean® wireless**

FTM TF

A5-04-01

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
- wall bracket
- 2 x adhesive dots

**necessary additional components**

- CosiTherm® wireless and/or
- AFRISOhome gateway

**Versions**

	Part no.
Temperature and humidity sensor FTM TF	78145

- in-stock items
- Non-stock items