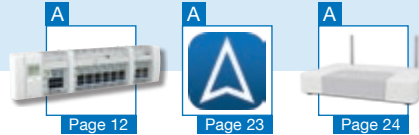


# Room temperature sensor FT/FTF



- Extremely flat with a height of 12.5 mm
- Wireless operation (photovoltaic cell or battery)
- Flexible location-independent use anywhere in buildings



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

**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 AFRISO 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 set 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 AFRISO Gateway transmits alarm messages and changes in temperature and/or humidity via WLAN, LAN and GSM 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 AFRISO 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

### Temperature measurement

0/40 °C

Accuracy: ± 1 K

### Humidity measurement

With room temperature sensor FTF only

Room humidity: 0/100 % r.h.

Accuracy: ± 5 % r.h.

### Supply voltage

Energy harvesting (via photovoltaic cell)

or type 1632 battery, DC 3 V

(with daylight less than 200 lx)

### Housing

Plastic housing PC

WxHxD: 78 x 82.5 x 12.5 mm

Weight: 43 g

Degree of protection: IP 30 (EN 60529)

### EnOcean® wireless

Frequency: 868.3 MHz

Transmission power: Max. 10 mW

Transmission cycle: 2.5 minutes

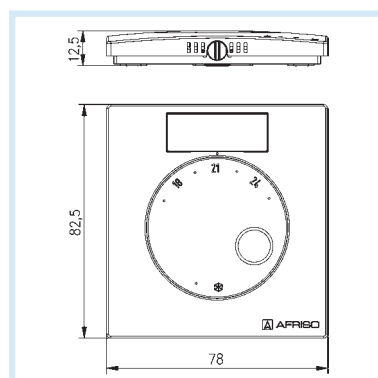
Range: 10 to 30 m (depending on room arrangement and materials in the building)

### Scope of delivery

- Room temperature sensor FT/FTF
- Mounting kit (2 x screws, 2 x screws, 4 x adhesive dots)
- No battery

### Necessary additional components

- CosiTherm® Wireless and/or
- AFRISO Gateway



DG: G	Part no.	Price €
Room temperature sensor FT (temperature)	78111	
Room temperature sensor FTF (temperature, humidity)	78119	