



Wireless sensor

Temperature controller  
FTR65HS/12V DC

Temperature at mounting location:

-20°C up to +50°C.

Storage temperature: -25°C up to +70°C.

Relative humidity:

annual average value <75%.

Wireless temperature controller with hand wheel for single mounting 84x84x35 mm or mounting into the E-design switching system. Power supply with the integrated solar cell or a 12V DC power supply unit. Only 1 mW standby loss. Smart Home Sensor.

In the as-delivered condition, the energy storage is empty and needs to be charged before use.

When operating only with a solar cell, the energy storage must be charged for several days. For later operation, an ambient brightness of at least 200 lux is required in the daily average. When operating with 12V DC via the red/black connection cable, the sensor is ready for operation after approx. 3 minutes.

If the connecting cable is not needed, it can be cut off. This means the sensor requires no installation depth behind the mounting plate. It can be screwed or affixed to any flat surface.

The complete module can be removed from the frame for screw mounting.

We recommend stainless-steel counter-sunk screws 2.9x25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25 mm and with 55 mm switch

boxes. Set of 2 stainless-steel counter-sunk screws 2,9x25 mm and plugs 5x25 mm are enclosed.

**To teach-in** an actuator in teach-in mode, hold the supplied blue magnet or any other available magnet below the point on the side panel of the sensor marked by ■. This sends a teach-in telegram. The slide switch has to be on normal mode.

The temperature controller sends a message into the Eltako wireless network within 100 seconds when there is a change in the actual or reference temperature of min 0.3°C. If there is no change, a status report is sent every 20 minutes.

Measurement accuracy is approx. 1°C.

The **day reference temperature** that ranges from +12°C to +28°C is changed using the hand wheel.

A **night reduction** can be activated by the slide switch. This makes the night reference temperature 4°C lower than the day reference temperature.

The **slide switch** is for function selection.

☼ = normal mode (day).

0 = temperature control off; the actual temperature continues to be sent, however.

☾ = night reduction active.

### EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10 mW

**Hereby, Eltako GmbH declares that the radio equipment type FTR65HS/12V DC is in compliance with Directive 2014/53/EU.**

**The full text of the EU declaration of conformity is available at the following internet address: [eltako.com](http://eltako.com)**

**Must be kept for later use!**

### Eltako GmbH

D-70736 Fellbach

#### Technical Support English:

☎ Michael Thünte +49 176 13582514

✉ [thuente@eltako.de](mailto:thuente@eltako.de)

☎ Marc Peter +49 173 3180368

✉ [marc.peter@eltako.de](mailto:marc.peter@eltako.de)

[eltako.com](http://eltako.com)