

Wireless sensor
Temperature controller
FTR65HS



Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

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 84x84x30mm or mounting into the E-design switching system. Power supply with the integrated solar cell or a 12V DC power supply unit or with batteries.

In the as-delivered condition, the energy storage is empty and needs to be charged before use. Either via the red/black 12V DC power cable for about 10 minutes or via the solar cell in broad daylight for about 5 hours or by inserting two pieces AAA batteries (not included in delivery) for about 1 minute.

In normal operation, the power supply is either through the cable with a 12V DC power supply unit FSNT61-12V/6W in a flush-mounted box under the sensor or with AAA batteries, supported by the solar cell, or only with the solar cell under normal ambient light, in a daily average of at least 200 lux. If only the solar cell is available, the energy storage must first be charged for several days with daylight.

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 2.9x25mm, DIN 7982 C,

for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes. Set of 2 stainless-steel counter-sunk screws 2,9x25mm and plugs 5x25mm 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.

ELTAKO GmbH hereby declares that the products that relates to this operating manual, are in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC. A copy of the EU declaration of conformity can be requested at the address below.

Must be kept for later use!

Eltako GmbH

D-70736 Fellbach

☎ +49 711 94350000

www.eltako.com