

Wireless sensor

Indoor humidity temperature  
sensor FIFT65S

**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 indoor humidity temperature sensor for single mounting  
84x84x30mm or mounting into the E-design switching system.

The electronic requires no intrinsic power supply, so there is no standby loss.

The power supplied wireless indoor humidity/temperature sensor FIFT65S with a solar module measures constantly the relative humidity between 0 and 100% ( $\pm 5\%$ ) and the temperature between -20 and +60°C ( $\pm 0.5^\circ\text{C}$ ).

A wireless telegram will be sent to the Eltako wireless system in case of a humidity change of 2% and temperature change of 0.6°C.

A control signal follows every 100 to 3000 seconds at stable values depending on the state of charge of the sensor.

In as-delivered state the energy accumulators are empty and must be charged in bright daylight for about 5 hours or connected to a charger for about 10 minutes via the red/black 12V DC connecting cable.

The power reserve stored in capacitors supplies the power requirement for the night.

In normal ambient brightness (at least a daily average of 200 Lux), the energy of the integrated solar module is sufficient to power the FIFT65S. Then the 12V DC connecting cable may be cut off if necessary. The sensor then requires no instal-

lation depth behind the mounting plate. It can be screwed 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.

**If the ambient brightness is insufficient, power is supplied by the connecting cable from a switching power supply unit FSNT61-230V/12V DC fitted below in a switch box.**

**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.

#### EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10mW

**Hereby, Eltako GmbH declares that the radio equipment type FIFT65S 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!**

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