

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 be-  
tween -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 hu-  
midity change of 2% and temperature  
change of 0.6°C.

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

In as-delivered state the energy accumu-  
lators are empty and must be charged in  
bright daylight for about 5 hours or con-  
nected 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 neces-  
sary. 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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