



Wireless sensor

Wireless temperature controller
FTRF65SB

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 pure white glossy for single mounting 84x84x20/9mm over a flush box or mounting into the E-design switching system. Power supply with the integrated solar cell and battery (lifetime 5 years). Smart Home sensor. The temperature controller can be taught in in the actuators heating/cooling relay FHK or TFR61 and the Visualisation and Control Software GFVS.

The temperature controller sends a message to the Eltako Wireless Building system when a change of min. 0.15°C occurs in the setpoint temperature within 60 seconds. If no change occurs, a status message is sent every 5 minutes.

A jumper defines the function mode. In the mode TF61 only ON or OFF are sent, in the mode FHK the measured and set temperature are sent.

Measurement accuracy is approx. 1°C. The **reference temperature** that ranges from +12°C to +28°C is changed using the hand wheel.

In the ❄️ position, the set temperature is 8°C (frost protection).

We recommend stainless-steel countersunk 2.9x25mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25mm and with 55mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9x25mm and plugs 5x25mm are enclosed.

An internal 3V button cell CR2032 assumes the power supply for several years.

To replace the button cell, all you need to do is remove the front panel and the rotary knob.

Only install on a flat surface:

Screw on mounting plate. Then snap on frame. Remove battery insulation, plug on rotary knob and snap on front panel.

Select operating mode:

In as-delivered state (the jumper is plugged on both pins of *Mode 1*), **operating mode FHK** is active.

When you plug the jumper on a pin of *Mode 1*, the system switches over to **TF61 mode**.

Send teach-in telegram:

To teach in the temperature controller to an actuator which is prepared for teach-in, remove the rotary knob and the front panel. Press briefly the LRN pushbutton which is then accessible.

After the temperature controller is taught in to a TF61R device, the teach-in mode ends and locks automatically.

Unlock teach-in mode of TF61R with FTRF65SB:

1. Plug jumper on both pins of *Mode 2*.
2. Switch off/on power supply of TF61R.
3. Press briefly LRN pushbutton.
4. Remove jumper from *Mode 2* and replug it on pin of *Mode 1*.

Operating mode FHK: EEP: A5-10-06

Teach-in telegram: 0x40300D87

Data telegram:

Data_byte0 = 0x0F

Data_byte1 = Actual temperature

0xFF.0x00 corresponds 0..40°C

Data_byte2 = reference temperature

0x00..0xFF corresponds 0..40°C

Operating mode TF61: EEP: A5-38-08

Teach-in telegram: 0xE0400D80

Data telegram: OFF = 0x01000008

ON = 0x01000009

Hysteresis: 1°

The crossed-out waste container indicates that batteries may not be disposed with other household or commercial waste.



Attention: Danger of explosion if battery is replaced improperly. Only replace it by an equivalent type!

EnOcean wireless

Frequency	868.3MHz
Transmit power	max. 10mW

Hereby, Eltako GmbH declares that the radio equipment type FTRF65SB-wg 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

Must be kept for later use!

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