**Eltako**
ELECTRONICS

Wireless sensor

Wireless temperature controller
FTR65HB

CE

**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 84x84x27mm or mounting into the E-design switching system. With battery.

The temperature controller can be taught-in in TF61R, FHK (wireless heating/cooling relay), and in the 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 **day reference temperature** that ranges from +12°C to +28°C is changed using the hand wheel.

In the position ❄ the temperature contoll is off and the frost protection function activated.

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 *Mode1*), **operating mode FHK** is active.
When you plug the jumper on a pin of *Mode1*, 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 FTR65HB:**
1. Plug jumper on both pins of *Mode2*.
2. Switch off/on power supply of TF61R.
3. Press briefly LRN pushbutton.
4. Remove jumper from *Mode2* and replug it on pin of *Mode1*.

Operating mode FHK: EEP: A5-10-06
Teach-in telegram: 0x40300D87
Data_byte2 = reference temperature 12°C to 28°C, frost symbol = 8°C
Data_byte1 = actual temperature 0 to 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!**

**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!**

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