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Wireless sensor

Wireless temperature controller  
FTR55EHB-

Temperature at mounting location:  
-20°C up to +50°C.  
Storage temperature: -25°C up to +70°C.  
Relative humidity:  
annual average value <75%.

**valid for devices from production week 50/18** (see bottom side of housing)

**Wireless temperature controller with hand wheel pure white glossy for single mounting 80x80x7 mm or mounting into the E-Design55 switching system. With battery (lifetime 4 years). Smart Home sensor.**

The temperature controller can be taught-in in FR62, 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 actual or 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 TF 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 2.9x25 mm, DIN 7982 C, for screw connections. Both with rawl plugs 5x25 mm and with 55 mm switch boxes.

Set of 2 stainless-steel countersunk screws 2.9x25 mm and plugs 5x25mm are enclosed.  
2 internal 3V CR1632 button cells are supplying the power 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 **TF 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 FR62 device, the teach-in mode ends and locks automatically.  
**Unlock teach-in mode of FR62 with FTR55EHB:**  
1. Plug jumper on both pins of *Mode 2*.  
2. Switch off/on power supply of FR62.  
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 TF: 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.**

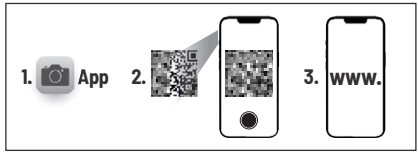



**Attention: Danger of explosion if battery is replaced improperly. Only replace it by an equivalent type!**

**Manuals and documents in further languages**



<http://eltako.com/redirect/FTR55EHB->





**enocean®**  
THE UNIQUE WIRELESS **PROFESSIONAL**  
**SMART HOME** STANDARD

Frequency	868.3 MHz
Transmit power	max. 10 mW

**Hereby, Eltako GmbH declares that the radio equipment type FTR55EHB- 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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28/2022 Subject to change without notice.