



Eltako

30 055 793 - 2

Wireless sensor

**Wireless temperature sensor
FTR55ESB-**

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
27/23** (see bottom side of housing)

**Wireless temperature controller for single
mounting 80x80x27 mm or mounting into
the E-Design55 switching system. With
solar cells and battery (lifetime 5 years).
Smart Home sensor.**

The temperature controller can be taught in
in the actuators heating/cooling relay FHK
or FR62 and Professional Smart Home
controllers.

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
2.9x25mm, DIN 7982 C, for screw connections.
Both with rawl plugs 5x25 mm and with
55mm switch boxes.

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.

Only install on a flat surface:
Screw on mounting plate. Then snap on
frame. Remove battery insulation and snap
on front panel.

**Attention: at snapping on the front panel,
the polarity of the solar cells must be
observed! To do this, align the Eltako
inscriptions on the front and circuit board
uniformly.**

Select operating mode:
In as-delivered state (both slide switches
up), **operating mode FHK** is active.
If the left slide switch is pushed down to
position TF, the system switches over to **TF
mode.**

Send teach-in telegram:
In order to teach the temperature controller
into a ready to teach-in actuator,
the front panel must be removed. 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
FTR55ESB-:**
1. Slide the right slide switch down to the
Mode 2 position.
2. Switch off/on power supply of FR62.
3. Press briefly LRN pushbutton.
4. Slide the right slide switch up again.

Operating mode TF: EEP: A5-38-08
Teach-in telegram: 0xE0400D80
Data telegram: OFF = 0x01000008
ON = 0x01000009

Hysteresis: 1°
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.

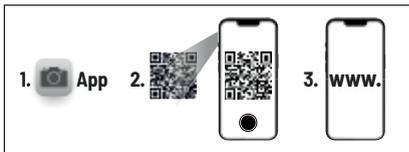
**The crossed-out waste container
indicates that batteries may not be
disposed with other household or
commercial waste.**

 **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/FTR55ESB->




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 FTR55ESB- is in com-
pliance with Directive 2014/53/EU.
The full text of the EU declaration of con-
formity can be accessed via the QR code or
the internet address under 'Documents'.**

Must be kept for later use!

Eltako GmbH
D-70736 Fellbach
Technical Support English:
 +49 711 943 500 25
 technical-support@eltako.de
eltako.com

24/2023 Subject to change without notice.