



Tap-radio®-temperature sensor

TF-TRHB55

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

80x80x27 mm or mounting into the
55 mm switch system. With battery.


The temperature controller can be
taught-in into the relay actuator TF61R,
the heating cooling actuator FHK and
into the GFVS software.

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 control
is off and the frost protection function
activated.

We recommend stainless-steel counter-
sunk 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 5x25 mm
are enclosed.

2 internal 3V CR1632 button cells are
supplying the power for several years.

To replace the button cells, 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 insulations, plug
on rotary knob and snap on front panel.

Select operating mode:

In as-delivered state (the jumper is
plugged on a pin of *Mode1*), **operating
mode TF61** is active.

When you plug the jumper on both pins
of *Mode1*, the system switches over to
FHK 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
TF-TRHB:**

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 TF61: 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!**
EnOcean wireless


Frequency 868,3 MHz


Transmit power max. 10 mW

**Hereby, Eltako GmbH declares that the
radio equipment type TF-TRHB55 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!
Eltako GmbH

D-70736 Fellbach

Technical Support English:
 Michael Thünte +49 176 13582514

 thuente@eltako.de
 Marc Peter +49 173 3180368

 marc.peter@eltako.de
eltako.com

01/2018 Subject to change without notice.