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Eltako ELECTRONICS

Tap-radio® temperature controller TF-TRDB with display

CE

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 display pure white glossy for single mounting 84x84x22 mm or mounting into the E-design switching system. With solar cell and battery (lifetime 3-5 years). Smart Home sensor.

The sensor sends a message every 100 seconds to the Eltako wireless network at an actual temperature change of minimum 0.3°C. The bistable display is updated.

A change in reference temperature is sent immediately. The display is updated.

If there is no change, a status report is sent every 17 minutes.

Measurement accuracy is approx. 1°C.

Installation:
Screw on the holding plate including its electronics. Then snap on the frame, remove the battery insulation, and mount the cover panel together with the display and solar cells.

We recommend stainless-steel countersunk screws 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.

Normal display: The upper display shows the day reference temperature presetting of 20°C in small characters preceded by a d (=day). The lower display shows the actual temperature in large characters, e.g. 21.5°C.

Adjust the day reference temperature from +8°C to +40°C in steps of 0.5°C by pressing the ▲ and ▼ keys. Several key operations are accumulated.

The new reference temperature appears in the display in large digits after approx. 2 second. After a further approx. 6 seconds, the display returns to normal mode.

Night reduction can also be activated and adjusted by pressing the ▲ and ▼ keys.

Activation is by pressing both keys simultaneously and briefly. The top of the display shows the night reference temperature in small digits preceded by 'n' (= night).

The presetting is a value which is 4°C lower than the day reference temperature.

Terminate the night reduction function by briefly pressing the two keys simultaneously.

The temperature reduction value can be changed in steps of 1°C by pressing the ▲ and ▼ keys as long as the night reduction function is activated. Here too, several key operations are accumulated. The new temperature reduction value is shown in the display in large digits after approx. 2 seconds.

After a further approx. 6 seconds, the display returns to night reduction mode.

Terminate the night reduction function by briefly pressing the two keys simultaneously.

Energy storage or battery empty:
If the energy accumulator or battery voltage drops below 2.7 V, the display shows 'LoAd'.

To replace the CR2032 3 V button cell, simply remove the cover panel along with the display and solar cells. After replacing the batteries, snap the cover panel back on together with the display and solar cells.

Teach-in:
Press and hold down one of the two keys ▲ or ▼ for longer than 4 seconds to teach in the sensor in a wireless actuator switched to teach-in mode.

EEP: A5-10-06
Teach-in telegram: 0x40300D87
Data telegram:
Data_byte0 = 0x0F
Data_byte1 = actual temperature
0xFF..0x00 corresponds to 0..40°C
Data_byte2 = Setpoint température
0x00..0xFF corresponds to 0..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-TRDB 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

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36/2018 Subject to change without notice.