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Eltako ELECTRONICS

Wireless sensor CE

Wireless temperature sensor FTF55D

Wireless temperature sensor with display for integration in the 55x55 mm and 63x63 mm switch system. Own power supply from integrated solar cell.

The scope of supply includes a frame R, an intermediate frame ZR in the same colour, a mounting plate and an adhesive film.
In addition, an intermediate frame ZRF in the same colour is supplied for installation in an existing frame R1F, R2F or R3F for flat pushbuttons.

The temperature sensor FTF55D requires no installation depth behind the mounting plate, and can therefore be bonded to any flat surface. An adhesive foil is supplied.

It 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.
If there is no change, a status message is sent every 20 minutes.

Measurement accuracy is approx. 1°C.

Ambient temperatures are displayed from 0°C to +40°C.

The evaluation is carried out with actuators FHK12, FHK61, FHK70, F2L61, F2L70, F4H12 and F4L12, and the FVS Wireless Visualisation and Control Software.

Before startup the energy accumulator must be charged.
This should take place in light that is as bright as possible to shorten the charge times.
Charge times for immediate operation (teach-in or clear):

- in direct sunlight (approx. 100 kLux): approx. 15 minutes
- with a halogen lamp 100 W at a distance of 30 cm (approx. 10 kLux): approx. 60 minutes
- in daylight (approx. 1 kLux): approx. 6 hours

For normal operation, the energy accumulator must be charged for several days.

For first-time operation the display indicates the following depending on the charge state of the energy accumulator:

Energy accumulator empty:
The message "LoAd" first appears for several minutes on the display.
The energy accumulator is charged until enough energy is available for operation.

Energy accumulator charged for immediate operation: the actual temperature (e.g. 22°C) is shown on the display.

Teach-in:

Press the LRN key on the rear to teach-in or clear the sensor fitted to a wireless actuator that is set to teach-in mode.

Power saving mode:

If the light is too weak or the power supply too low, the device switches to power saving mode. This consists of 2 stages:

1. Stage: LoAd appears on the display. A status message continues to be sent approx. every 20 minutes.
2. Stage: The status message is only sent approx. every 40 minutes until the power is depleted.

Important Note!

Only skilled electricians may install this electrical equipment.

05/2011 Subject to change without notice.