Eltako ELECTRONICS

RS485 bus telegram duplicator
FTD14 CE

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!
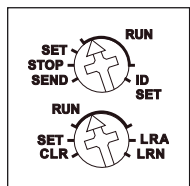
Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

Telegram duplicator for the Eltako RS485 bus with exchangeable antenna.
Only 0.5 watt standby loss.
Modular device for DIN-EN 60715 TH35 rail mounting. 1 module = 18 mm wide, 58 mm deep.
Connection to the Eltako-RS485 bus. Bus cross wiring and power supply with jumper. Operation in conjunction with FAM14 or FTS14KS.

The telegrams of taught-in IDs are duplicated and directly sent into the Eltako wireless system with a new output ID. These wireless telegrams can be specifically taught-in in decentralized actuators.
A total of 120 memory locations are available.

Function rotary switches

The upper rotary switch is used to selectively transmitting a wireless telegram. In normal operation, it is set to RUN.

The bottom rotary switch is used for teaching-in and deleting IDs. In normal operation, it is set to RUN.

The red LED below the upper rotary switch performs during the teaching-in process.

The green LED below the lower rotary switch lights up briefly when a wireless telegram is transmitted.

The teach-in memory is clear on delivery from the factory. To ensure that a device was not previously taught-in, **clear the complete memory:**
Set the lower rotary switch to CLR. The upper red LED flashes at a high rate. Within 10 seconds, turn the upper rotary switch three times to right stop (turn clockwise) and back again. The upper red LED stops flashing and goes out after 2 seconds. All taught-in sensors are cleared.

Clear single taught-in IDs:
Set the lower rotary switch to CLR. The upper red LED flashes at a high rate.
Operate the sensor. The LED goes out.

Important note:
If an ID is deleted, free storage space is developed. The next taught-in ID gets this free storage space and thereby its output ID.

Teach-in wireless ID:
Set the lower rotary switch to LRN.
The upper red LED flashes at a low rate.
Operate the sensor to be taught-in.
The upper red LED goes out.
To prevent unintentional teaching-in, the rotary switch must be re-turned to LRN for further teaching-in processes, the upper red LED flashes steadily again.

Teach-in confirmation telegram of a BUS actuator:
Set the lower rotary switch to LRA.
The upper red LED flashes at a low rate.
Turn the actuator on or off, the corresponding confirmation telegram is received and the red LED goes out.

Targeted transmitting of a wireless telegram:
Set the lower rotary switch to SET. Set the upper rotary switch to SET. The upper red LED flashes.
Operate the previously taught-in sensor. The upper red LED goes out and the lower red LED lights up for 1 second. The telegram was cached.
By turning the upper rotary switch to SEND, the telegram is sent to the cache memory in the Eltako wireless system and taught-in into a teachable actuator.
By turning to STOP and returning to SEND the telegram is sent again.

Issue device address for the FTD14:
Turn the rotary switch on the FAM14 to Pos. 1 and its lower LED lights up red.
Turn the lower rotary switch on the FTD14 to LRN and its upper red LED flashes at a low rate.
After the address of the FAM14 is issued, its lower LED lights up green for 5 seconds and the LED of the FTD14 goes out.

Clear device adress of the FTD14:
Set the lower rotary switch to CLEAR. The red LED flashes at a high rate.
Within the next 10 seconds, turn the upper rotary switch six times to left stop (turn anticlockwise) and away again.
The red LED stops flashing and goes out after 5 seconds. The device address has been deleted.

EnOcean wireless

Frequency	868.3 MHz
Transmit power	max. 10 mW

Hereby, Eltako GmbH declares that the radio equipment type FTD14 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!
We recommend the housing for operating instructions GBA14.

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