Eltako ELECTRONICS

Wireless receiver antenna module FEM63

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%.

Wireless receiver antenna module for the RS485 sub-bus. In the housing for surface mounting 84x84x30 mm or mounting in 55x55 mm or 63x63 mm switch system. Only 0.5 watt standby loss.

The scope of supply includes a frame in Q-Design QRR1, an attachment frame and a mounting plate HP. For mounting in frame with 55- or 63-neckline also an intermediate frame ZR in the same color.

We recommend sheet metal countersunk screws 2.9x25 mm, DIN 7982 C, for screw connections on 55 mm switch boxes.

Up to three wireless receiver modules FEM and/or FEM63 can be installed at any point in the building in addition to a FAM14 and connected via a gateway FGW14 to the main bus by a 4-wire screened sub-bus line (e.g. telephone line).

Therefore open the cover (press on the right side between cover and housing with a thin item) and connect the terminals RSA/RSB of the FEM with the terminals RSA2/RSB2 of the FGW14.

Also connect the terminals +12 V/GND of the FEM with the terminals +12 V/GND of the FGW14.

Wiring of several FEM should take place with a line in the form of a chain, as prescribed in RS485 bus systems.
A radial wiring with one line per FEM is not allowed.

In each of the three wireless receiver modules, the jumpers must be plugged into a different position.

For example:

Operation of 1 FEM:
Plug the jumper above the 12 V terminal in the middle (as-delivered condition).

Operation of 2 FEM:
On the first FEM plug the jumper above the 12 V terminal in the middle (as-delivered condition). On the second FEM plug this jumper on pin 1 and the middle. **In addition the jumper at the bus terminals has to be removed on the first FEM.**

Operation of 3 FEM:
On the first FEM plug the jumper above the 12 V terminal in the middle (as-delivered condition). On the second FEM plug this jumper on pin 1 and the middle. On the third FEM plug this jumper on pin 2 and the middle. **In addition the jumper at the bus terminals has to be removed on the first and second FEM.**

If additional operating with repeater is applied, only sensors that are located in the direct reception area of the FEM, should be taught-in in position 8 of the FGW14. In operation, set the FGW14 to operating mode position 2.

Technical data

Supply voltage	12 V DC
Power consumption	40 mA
Standby power loss	0.5 W

Must be kept for later use!

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