

Wireless receiver antenna module CE FEM

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.

SMA socket for small enclosed antenna.

The reception range can be increased by placing a larger wireless antenna FA250 in the optimised position.

Housing dimensions LxWxH: 78x40x22 mm.

Up to three wireless receiver modules in a separate mini-housing 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 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 jumper must be plugged into a different position.

For this purpose, carefully open the housing on the narrow side with a screwdriver at the side provided. Blade width 6.5 mm, max. 1.5 mm thick.

For example: Operation of 1 FEM:

Plug the jumper on the side of the antenna in the middle (as-delivered condition).

Operation of 2 FEM:

On the first FEM plug the jumper on the side of the antenna in the middle (asdelivered 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 on the side of the antenna in the middle (asdelivered 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 m A
Standby power loss	0.5W

WEEE registration number 30298319

Must be kept for later use!

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