

## Wireless receiver antenna module FEM65

**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 84x84x30mm or mounting into the E-design switching system. Only 0.5 watt standby loss. We recommend stainless-steel countersunk screws 2,9x25mm, DIN 7982 C for screw fixing on 55mm switch boxes. Set of 2 stainless-steel countersunk screws 2.9x25mm and plugs 5x25mm are enclosed.

Up to three wireless receiver modules FEM and/or FEM65 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 +12V/GND of the FEM with the terminals +12V/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 12V terminal in the middle (as-delivered condition).

### **Operation of 2 FEM:**

On the first FEM plug the jumper above the 12V 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 12V 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	12V DC
Power consumption	40mA
Standby power loss	0.5W

**ELTAKO GmbH hereby declares that the products that relates to this operating manual, are in compliance with the essential requirements and other relevant provisions of directive 1999/5/EC. A copy of the EU declaration of conformity can be requested at the address below.**

**Must be kept for later use!**

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