

KARTA KATALOGOWA



rH-E2

Radio signal amplifier (repeater)

of the F&Home RADIO system.

Radio signal repeater (signal booster).

The rH-E2 module is designed to increase the range of components cooperating within the F&Home RADIO system. The module listens simultaneously on two channels: primary and operating. In the absence of a response from the recipient of a message, the module sends it again, mediating in commutation of distant system components.

INSTALLATION:

The amplifier should be installed as far as possible away from the server, but within a good radio range. If the installation is more than one amplifier - another should be arranged so that their ranges do not overlap.

Correct configuration: Server <-> Amplifier <-> Modules

Incorrect configuration: Server <-> Amplifier <-> Amplifier

If the amplifier is turned off or loses connectivity to the server, the modules using the amplifier, and not being within the server range will behave just like when they are out of reach.



The rH-E2 module is represented by an object that you only need to put in the project and register in the system. After registration the module operates autonomously and does not require setup.

Installer settings in the configuration program

Feature name	Description	Range	Unit / Description
Connection monitoring	Sets action in case of loss of connection to the server (information about the modules out of reach).	Standard module	Information on the standard output SX 752
		Alarm module	Information on the alarm output SX 752
		Unmonitored module	No connection correctness control
The delay in signaling a lack of coverage	Sets the delay after which the module is reported that it is beyond the coverage range of the server	1 - 5	

Registration in the system

1. Select the registration method in the configurator.
2. Press and hold button on the housing
3. After 5 seconds the module will register itself in the system or the program will report an error in case of failure.

Technical specifications table

Rated supply voltage	230 V AC
Supply voltage tolerance	-20%, +10%
Rated power consumption	<W
Radio link (operating frequency)	868 MHz
Signal strength	9 mW
Transmission type	two-way
Coding	yes
Range in open space	100 m
Period of logging in the system	30 seconds
Storing temperature	-20°C to +50°C
Working temperature	0°C, +45°C
Humidity	<=85% (without condensation and aggressive gases)
Dimensions	40 x 78 x 60 mm without antennas
Ingress protection	IP20
Operating position	any
Enclosure type	to an electric socket

Module operation indication (green LED)

Mode	Description
The amplifier is not registered in the system	Pulsating quickly
The amplifier is outside the range of the server	Pulsating slowly
The amplifier is within the server radio range	Steady light
Retransmission of packets in progress	Dims

WARNING

The connection method is specified in this manual. Any activities related to installation, connection and regulation should be carried out by persons with electrical qualifications who are familiar with this manual and features of the module. Manner of transport, storing and using the module affects its proper operation. Installation of the module is not recommended in the following cases: missing components, damage to the module or its deformation. In case of malfunction the module should be returned to the manufacturer.