DATA SHEET

rH-EQ3 HUB
Integration module for thermostatic heads


of the F&Home RADIO system.

The EQ-3 HUB provides communication between the server of the F&Home RADIO system and the eQ-3 MAX! devices. With a single EQ-3 HUB module you can register up to 8 system devices.

PLEASE NOTE!
Each subsequent HUB increases the risk of collision during data transmission.
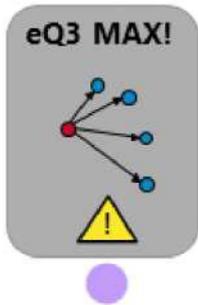
Q-3 module HUB is represented by an object that has one output that returns the error number.

Description of the errors returned by the error output	
number	Error description
2	module failure
4	module out of reach

PLEASE NOTE!
We get the logical sum of all current states on the output.

Outputs		
figure	name	type
A	error number	byte output

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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
			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	

The following example illustrates the use of the error output. Software block 889 "input value display" is connected to the output. SX 889 element has a universal input. It displays any value applied on the input in a remote access. Select "Show status->Value" from the context menu.
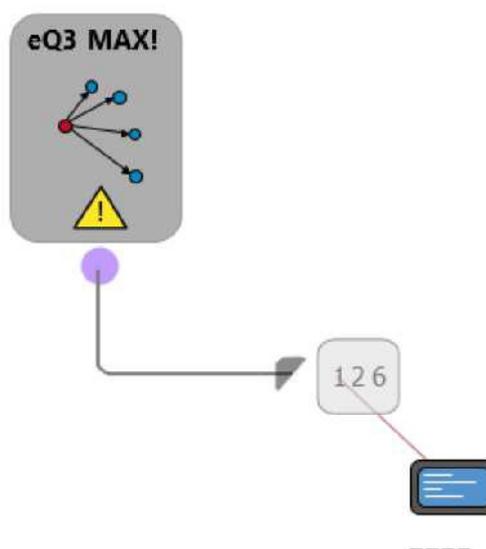
Registration in the system

1. Select the registration method.
2. Press and hold the button on the housing until the LED lights up with a steady light.
3. 3.   After 5 seconds the module will register itself in the system or the program will report an error in case of failure.
4. Short press of the button put it into standby for eQ-3 MAX! module registration mode. This mode is active for 30 seconds and indicated by a flashing LED. After registration of the module the LED stops flashing.

Technical specifications table	
Rated supply voltage	230V AC
Supply voltage tolerance	-20%, +10%
Rated power consumption	<1 W
Radio link (operating frequency)	868 MHz
Signal strength	9 mW
Transmission type	two-way
Coding	yes
Range in open space	350 m
Period of logging in the system	30 seconds
Storing temperature	-20^oC to $+50^oC$
Working temperature	0^oC, $+45^oC$
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
HUB registration mode	Pulsating quickly
HUB is outside the range of the server radio	Pulsating slowly
HUB 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.