

Type	DI	DO	AI	AO	Comm
R-HC-0101F			1	0 – 100% valve position	RFox



R-HC-0101F

Basic features

- Motor control of head on radiator valve.
- Contains internal sensor of room temperature.

Connection

- Head mount on radiator valve only.
- It has no wire connection.
- Into RFox network module is connected by bonding process.

Use

- Regulation of hot water heating in rooms – radiator or floor.
- Direct fixing on radiator valve M30×1.5 or via reduction.

Connection example

Communication

Wireless bus	RFox
Antenna	Integrated
Frequency	868 MHz
Signal transmission	Both directions with confirmation
Range	About 25 m in building, 100 m in empty space
Range of temperature and position measuring and transmitting	7 min

Inputs

Input/measured value	1 × temperature sensor
Range of measured temperature	-5 °C ÷ +50 °C
Basic measuring accuracy	+/-0.8 °C
Calibration	From manufacturing

Outputs

Output value	Opening valve 0 – 100%
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Dimensions and weight

Dimensions	75 × 85 × 50 mm
Weight	120 g

Power supply

Power supply	1 × or 2 × AA lithium battery
Battery lifetime	Min. 1 year
Diagnosis battery	Yes

Operating conditions

Operation temperature	0 ÷ +55 °C
Temperature of storage and transport	-25 ÷ +70 °C
Relative humidity	< 80 %
IP Degree of protection according IEC 529	IP 20
Degree of pollution	1
Installation	Plastic head, fixing to radiator valve M30 × 1.5 mm or with reduction

Order number

TXN 132 28 R-HC-0101F, RF, Proportional drive of radiator valve (0 – 100%), 1 × AI, Reduction on valve on order