

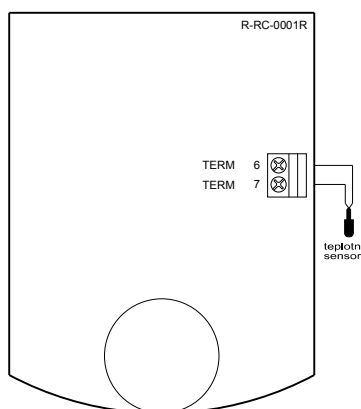
Room Control Manager

Type	DI	DO	AI	AO	Comm
R-RC-0001R			2		RFox

Basic features

- Wireless module in interior design for offices and residential facilities. Module is designed for visualization of status and setting required values (Room Control Manager).
- LCD display displays the values (temperature, time, humidity, speed, heating, cooling, ... see image) and a lot of graphic icons often used on field of heating, ventilation and air-condition.
- Rotational element with pushbutton for confirmation is available to program individual needs of movement over the menu.
- Built-in temperature sensor. Also possibility to connect external NTC sensor to choose suitable place of measuring, independent on device position.
- Module is free programmable by user. Any icon or number can be controlled as digital output. The operations of rotational element and its pushbutton are accessible to programmer.

Connection example



Operating conditions

Operation temperature	0 ÷ +55 °C
Storage temperature	-30 ÷ +70 °C
Electric strength	according EN 60950
IP Degree of protection IEC 529	IP 20
Overvoltage category	II
Degree of pollution IEC EN 60664-1:2004	1
Working position	Vertical
Installation	On wall, on installation box

Order number

TXN 132 09 R-RC-0001R, RFox, interior room unit

Connection

- Module is designed as standard device of data radio network RFox. Power supply comes from battery.

Use

- Use as Room Control Manager in each room or space, where we require individual control of temperature and ventilation.



R-RC-0001R

Display and control elements

Display	LCD, value (temperature, time) + graphic symbols (heating, ventilation, ...) Each icon is controlled from program in central module
Control element	Knob with push button (mode selection, temperature correction, etc.) Rotation and push can be processed in user program

Analog inputs

Inputs	2 x temperature measuring (internal sensor and external sensor NTC 12k)
Range of measured temperature	-20 ÷ 100 °C
Measurement accuracy	±0.8 °C
Interval of measured temperature	10 min

Communication RFox

Frequency	868 MHz
Signal transmission	Both directions with confirmation
Range	About 25 m in building, 100 m in empty space
Interval of transmission	10 min

Dimensions and weight

Mechanical construction	Plastic box on wall
Dimensions	90 x 115 x 39 mm
Weight	130 g

Power supply

Power supply	AA lithium battery, 3,6 V /2,2Ah, ER14505M
Battery lifetime	About 2 years (according to frequency of using)