RF7

ONE-CHANNEL ON/OFF RECEIVER

Overview

Main features

- Pairing with a room thermostat or a programable room thermostat or a central control unit (emitter)
- Receives commands and data wirelessly, by means of radio-wave signals
- Receives commands and data by means pilot wire input

Application

- Underfloor heating/cooling systems
- Electric radiators

Product + points

- **Sober design**
- **Successful pairing with the emitter can be checked**
- **Relay contact testing feature**
- **A pilot light indicates to you whether or not the receiver is operating**
- **Integrated control algorithm**
- **Practical:** the product has a small footprint

Functional specifications

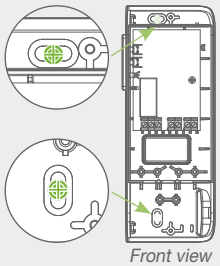
Use

Help for the visually impaired	**- The button power on/standby mode is in relief** to be easily identifiable to the touch **- Audible beeps** indicating the change from the standby mode to active mode
Pilot light	Viewing of: - Voltage presence - Pairing with radio emitter - Relay status (opened/closed)
Heating, air conditionning and ventilation control	The ouput contact switch and change of state depending of received orders or informations
Protection mode	In the event that the link with the emitter "drops", operation continues in order that the system continue to be controled. This mode is indicated by means of the pilot light flashing in a specific fashion.
Backup in case the mains power supply goes off	RF pairing and relay status are saved. It will come back on last saved status as soon main power supply goes back on.
Manual test and temporary forced closing of the contact	

Installation

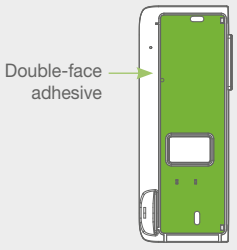
2 fitting options:

- Wall mounting, close to the appliance with 2 screws and washers



Front view

- Mounting on the back of appliance by screws or double-face adhesive.

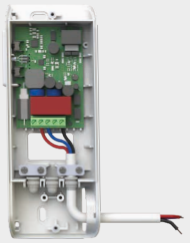


Back view

1 meter power cord with pilot wire already mounted on for the main power supply of appliance

2 electrical connections options :

- Electrical connection through knock out area on the back of plastic housing
- Electrical connection through knock out areas at the bottom of plastic housing



Wireless transmission by means of radio waves

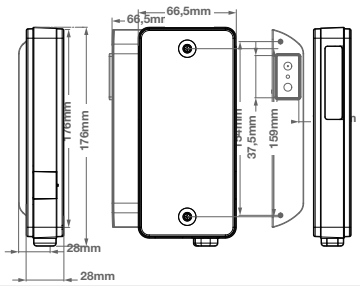
Sold separately

Wireless transmission by means of radio waves: Reliability, performance, flexibility and modulability

Approved Europe-wide, highly resistant to external sources of interference
Signals can go through walls and ceilings
The wireless aspect means that you can change the lay-out of areas without having to make any changes at all to wiring
Wireless transmission by means of radio waves.

Technical specifications

Dimensional and finish specifications



Height	176 mm	
Width	70 mm	
Depth	28 mm	
Colors	Blanc	Gris
Net weight	0,15 Kg	

Power supply

Operating voltage	230V +10/-15% 50Hz
Relay output	10A 230V AC resistive load
Environmental pollution degree	2
Overvoltage category	II

Control

Control type	Control type selection via le thermostat : - **ON/OFF** - **PID** (Proportional Integral Derivative) control by triac

Radio-wave transmission

Frequency	Radio transmitter, frequency 868.3 Mhz. Can be used throughout Europe

Environment

Protection rating	After installation: IP44 in vertical position, IP20 in horizontal position
Class	Class II
Operating temperature	0°C to +50°C
Storage temperature	-20°C to +60°C

Applicable directives

RED	2014/53/EU
RoHS	EN IEC 63000

Normes en vigueur

RED	Article 3.1a (Safety): EN60730-1:2011 / EN60730-2-9:2010 / EN62311: 2008 / EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019 +A2:2019 +A14:2019/ EN 60335-2-30:2009 +A11:2012 +A1:2020 +A12:2020/ EN 62233:2008/ Article 3.1b (EMC): ETSI EN 301489-1 V2.2.1 (03-2019) / ETSI EN 301489-3 V2.1.1 (03-2019) Article 3.2 (RF): ETSI EN300220-2 V3.1.1 (02-2017)
RoHS	2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU
Manufacturing	On certified site ISO 9001 V2015

Product codes

Codes	References
REARF7REA	1-channel receiver for fitting on a wall or on heating device, 10A, IP44, white
REARF7REGA	1-channel receiver for fitting on a wall or on heating device, 10A, IP44, grey

Product customization (design features) possible. Please contact us.

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