



REA1C

ONE-CHANNEL ON/OFF RECEIVER



Overview

Main features

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

Application

- Boiler
- Heaters
- Underfloor heating/cooling systems
- Reversible heat pumps
- Electric radiators
- Air conditioning systems
- Fans

Product + points

- **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



Heating, air conditioning and ventilation control	The output 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 controlled. This mode is indicated by means of the pilot light flashing in a specific fashion.
Pairing details and status are saved in the event of a power outage	The pairing with the emitter and the status of the output contact are saved by the receiver. They are automatically reinstated when the power supply returns
Manual test and temporary forced closing of the contact	

Installation

2 fitting options:

- Wall mounting, in the IP44 waterproof box (supplied), beside or under the heating appliance which it is to control.
- Fitting in a built-in IP20 box (not supplied), near to the appliance which it is to control, protected from splashes of water.

2 Possibilities of operation of the free voltage relay:

- **NO (Normally open at rest) between pin 2 and 3.**
- **NC (Normally closed at rest) between pin 1 and 2**

The light indicator allows viewing in real time of:

- The pairing with the wireless emitter;
- Changes in status (open/closed) of the relay

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



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	48 mm
Width	51 mm
Depth	28 mm
Net weight	0.15 Kg

Power supply

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

Radio-wave transmission

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

Protection rating	IP44 after installation in the supplied box (EN60529)
Class	Class II
Operating temperature	0°C to +50°C
Storage temperature	-20°C to +60°C

Applicable directives

RED	2014/53/EU
RoHS	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

Applicable standards

Safety	EN60669-1 ; EN60669-2-1 ; EN62311
EMC	EN301489-1 ; ETSI EN301489-3
Radio	EN300220-2
RoHS	EN IEC 63000
Manufacturing	On certified site ISO 9001 V2015

Product codes

Code	Reference
REA1CIMHC	1-channel receiver for fitting on a wall or built-in, 10A, IP44

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