



RF8

ONE-CHANNEL BI-DIRECTIONAL RECEIVER

Overview

Main features

- 4 applications:
 - * Ambient temperature control with wireless remote control (optional)
 - * Ambient temperature control from embedded sensor (optional)
 - * Surface temperature control/ambient temperature limitation with remote sensor (optional)
 - * Ambient temperature control/Surface temperature limitation with remote sensor (optional)
- Receives commands and data by means pilot wire input

Application

- Underfloor heating
- Electric panel heaters
- Decorative radiant panel heaters

Benefits

- 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: <ul style="list-style-type: none"> - Voltage presence - Pairing with radio emitter - Relay status (opened/closed)
Heating, underfloor heating 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.
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



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



800mm 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



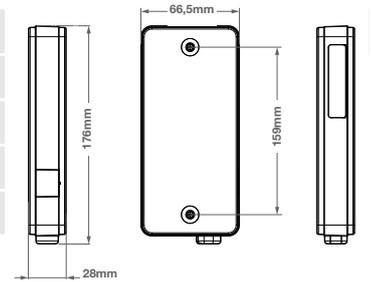
Wireless transmission by means of radio frequency: Reliability, performance, flexibility and modularity 

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 frequency

Technical specifications

Dimensional and finish specifications

Height	176 mm	
Width	66.5 mm	
Depth	28 mm	
Colors	White	Anthracite grey
Net weight	0,15 Kg	



Power supply

Operating voltage	230V +10/-15% 50Hz
Relay output	8.7A 230V AC resistive load
Environmental pollution degree	2
Overvoltage category	III

Control

Control type	Control type selection through the thermostat: - ON/OFF - PID (Proportional Integral Derivative) control by triac
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Radio-wave transmission

Frequency	Radio frequency: 2,4035 Ghz / 2,4055 Ghz / 2,4075 Ghz.
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Environment

Protection rating	After installation: IP44 in vertical position, IP20 in horizontal position
Class	Class II
Operating temperature	0°C to +40°C
Storage temperature	-20°C to +60°C

Applicable directives

RED	2014/53/EU
RoHS	2015/863/EU and 2017/2102/EU

Applicable standards

RED	Article 3.1 a (Safety): EN60335-1/ EN50666/ EN62311 Article 3.1 b (EMC): ETSI EN301489-1 / ETSI EN301489-3 Article 3.2 (RF): ETSI EN300440
RoHS	2011/65/EU modified by 2015/863/EU and 2017/2102/EU
Manufacturing	Products are manufactured using processes which are certified ISO 9001:2015

Product codes

Codes Descriptions

REARF8REA	1-channel receiver 8.7A, white
REARF8REGA	1-channel receiver 8.7A, anthracite grey

Optional

ACAEXSEA	Remote sensor 5m class II neutral white
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Compatible products

RCBTHRFIMHD	White radio frequency digital remote control
RCBTHRFIMHBD	Black radio frequency digital remote control

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