



RTDRF5

RADIO COMBINED ROOM THERMOSTAT AND REMOTE-CONTROL

Special underfloor heating/cooling



Overview

Main features

- Room temperature control
- Operating modes selection Auto, Comfort, Eco, Frost protection
- Heating to cooling and vice-versa switchovers

Application

- Underfloor heating / cooling

Product + points

- **2 in 1 product:** fonctions of thermostat and remote control in a single product
- **Sober design,** suitable for traditional or contemporary interiors
- **Practical:** the product has a small footprint
- **Wide display screen,** blue backlighting
- **Ergonomics setting:** 6 keys for intuitive use

Functional specifications

Use



Desired temperature	Adjustable from +5°C to +30°C, default setting : 21°C
Operating modes	Heating mode: Auto, Comfort, Eco, Frost protection Cooling mode: Confort only
Safety	- Child safety: keypad locking - Settings safety: - Restricted settings in respect of a minimum temperature setpoint - Restricted settings in respect of a maximum temperature setpoint
Display screen	Viewing of settings, of measured and set temperatures, of selected mode, of heating operating or cooling operating, the pairing process, of wireless transmission, keypad locking and of battery status

Fonctions "Thermostat" and "Remote" are separate and may be independently associated with one or more channels of wireless central control unit

Installation

2 fitting options: on a junction box or salient

Pairing with a wireless 1-channel receiver and/or a wireless multi-channel central control unit for underfloor heating/cooling, verification of pairing

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

Advanced settings

Language	English, French, Italian or German
Temperature unit	Degrees Celsius or degrees Fahrenheit
Max. setpoint temperature	Preset to +30°C, adjustable from +5°C to +30°C
Min. setpoint temperature	Preset to +5°C, adjustable from +5°C to +30°C
Temperature adjustment	Ambient sensor calibration
Restoring factory settings	5 secondes minimum to restor factory settings



Technical specifications

Dimensional and finish specifications

Height	99 mm
Width	90 mm
Depth	23 mm
Color	White RAL 9010
Net weight	0,2 Kg

Power supply

2 1.5V AAA / LR06 alkaline batteries	Battery life approximately 2 years
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Control

Control type	Control by the central control unit or by the 1 channel receiver
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Radio-wave transmission

Frequency	Radio transmitter, frequency 868.3 Mhz. Can be used throughout Europe
Transmission	Every 10 minutes, at the latest 1 minute after a set temperature change

Environment

Protection rating	IP20
Class	Class III
Operating temperature	0°C to +40°C
Temperature setting range	+5°C to +30°C
Storage temperature	-10°C to +50°C
Max. humidity level	80% at +25°C (without condensation)

Applicable directives

RED	2014/53/EU
RoHS	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU
DEEE	2012/19/EU

Applicable standards

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

Product codes

Codes	References
RTDRF51MHA	Combined wireless thermostat and remote control, for underfloor heating/cooling system

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