RTDRF

ELECTRONIC ROOM TEMPERATURE THERMOSTAT
Digital-control, wireless transmission

Overview

Main features

- Room temperature control
- Wireless transmission by radio-waves

Application

- Underfloor heating/cooling system

Product + points

- **Sober design,** suitable for traditional or contemporary interiors
- **Practical:** the product has a small footprint
- **Wide display screen,** blue backlighting
- **Ergonomic settings:** 4 keys for intuitive use

Functional specifications

Use

Desired temperature	Adjustable from +5°C to +30°C, default setting : +21°C
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, the pairing process, of wireless transmission, keypad locking and of battery status.

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 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

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
Restoring factory settings	5 secondes minimum to restor factory settings

Expert settings

Temperature adjustment	Ambient sensor calibration

Wireless central control unit for underfloor heating, 6 or 8 channels
Sold separatly

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 LR06 alkaline batteries	Battery life approximately 2 years

Control

Control type	Control by the central control unit or by the 1 channel receiver

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	85% at +25°C (without condensation)

Applicable directives

RED	2014/53/EU
RoHS	2011/65/EU
DEEE	2012/19/EU

Applicable standards

Safety	EN62311
Radio	EN300220-2
EMC	EN301489-1 ; EN301489-3
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

Product codes

Codes	References
RTDRFIMHA	Sensor probe thermostat, wireless, digital control, white

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

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