



RT7 RF



## WIRELESS PROGRAMMABLE ELECTRONIC ROOM TEMPERATURE THERMOSTAT

Digital control of hydraulic heating

### Overview

#### Main features

- Room temperature control
- Permanent display of the ambient temperature, desired temperature, the active mode, time, current day
- Boost : Comfort Mode is activated for 1h

#### Application

- Boiler
- Underfloor heating
- Electrical heating

#### Product + points

- **Sober design**
- **Easy to use:** one knob only for maximum ease of adjustment
- **Wide display screen:** white display
- **Ergonomic settings:** the knob allows precise adjustment

## Functional specifications

### Use

Desired temperature	Adjustable from +5°C to +30°C, by 0,5°C step
Programming	One pre registered program totally customizable for each day with 3 adjustable comfort periods
Temporary change of temperature setting	No need to modify programs to change the temperature setpoint temporarily
Readability	Large display for optimal readability
Change of batteries	No need to move the product or to use a tool to access to the dedicated area
Heating on demand indicator	Heating on demand indication
Mechanical safety system dedicated to settings	The closure of the compartment is only possible if the parameter setting buttons are positioned correctly, which limits the risk of from errors due to mishandling



### Installation

**2 fitting options:** Wall mounting or on the supplied table stand

**The paired receiver can be adapted** to a lot of installations thanks to it's output contact:

- Potential free contact
- Can be used in Normally Closed (NC) or Normally Open (NO) positions

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



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

Temperature unit	Degrees Celsius or degrees Fahrenheit
Time display	On 12 or 24 hours
Temperature adjustment	Ambient sensor calibration
Program lock	In order to control the energy spending and comfort the following functions are limited: <ul style="list-style-type: none"> <li>- Program modifications</li> <li>- Temporary change of temperature set point</li> <li>- Comfort mode activation</li> <li>- Boost activation</li> </ul>
Restoring factory settings	Of all parameters



## Technical specifications

### Dimensional and finish specifications

Height	95 mm
Width	120 mm
Depth	29,6 mm (without the wall base)
Color	White Ral 9016
Net weight	195 gr

### Power supply

2 x 1.5V AA / LR06 alkaline batteries	Battery life typically 2 years
Associated Relay output	1 potential free contact - 5(2)A / 24-250V~ 50-60Hz
Connexion of the relay output	By means of clamp terminals for cables with 1 square mm to 1.5 square mm cross-sections

### Control

Control type	PID (Proportional Integral Derivative) or ON/OFF, adjustable
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### Transmission radio

Operating frequency:	2,4 to 2,48GHz
Maximum range in the home	15m is typical but this varies depending on the building construction
Signal sending	Every 5 minutes, maximum time-lag 1 minute after setpoint temperature has been changed.

### Environment

Protection rating	IP30
Class	Class II
Operating temperature	0°C to +40°C
Temperature setting range	+5°C to +30°C
Storage temperature	-10°C to +60°C
Max. humidity level	80% at +25°C (without condensation)

### Applicable directives

RED	2014/53/EU
RoHS	2011/65/EU

### Applicable standards

Safety	EN62311
RoHS	EN50581
EMC	EN301489-1 ; EN301489-3
Radio	EN300440

## Product codes

### Codes

RTE7RFBA	Wireless programmable electronic room temperature thermostat with receiver - Black version
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### References

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