



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
- Dual optimization feature

#### 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

<b>Desired temperature</b>	Adjustable from +5°C to +30°C, by 0,5°C step
<b>Programming</b>	One pre registered program totally customizable for each day with 3 adjustable comfort periods
<b>Temporary change of temperature setting</b>	No need to modify programs to change the temperature setpoint temporarily
<b>Readability</b>	Large display for optimal readability
<b>Change of batteries</b>	No need to move the product or to use a tool to access to the dedicated area
<b>Heating on demand indicator</b>	Heating on demand indication
<b>Mechanical safety system dedicated to settings</b>	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

<b>Temperature unit</b>	Degrees Celsius or degrees Fahrenheit
<b>Time display</b>	On 12 or 24 hours
<b>Temperature adjustment</b>	Ambient sensor calibration
<b>Program lock</b>	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>
<b>Restoring factory settings</b>	Of all parameters



## Technical specifications

### Dimensional and finish specifications

<b>Height</b>	95 mm
<b>Width</b>	120 mm
<b>Depth</b>	29,6 mm (without the wall base)
<b>Color</b>	White or black
<b>Net weight</b>	195 gr

### Power supply

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

### Control

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

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

### Environment

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

### Applicable directives

<b>RED</b>	2014/53/EU
<b>RoHS</b>	ROHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU : EN IEC 6300

### Normes en vigueur

#### Thermostat

<b>Safety</b>	EN60730-1/ EN60730-2-7/EN60730-2-9 / EN62311
<b>EMC</b>	ETSI EN301489-1 / ETSI EN301489-3
<b>RF</b>	EN300440

#### Receiver

<b>Safety</b>	EN60730-1/EN60730-2-9 / EN62311
<b>EMC</b>	ETSI EN301489-1/ ETSI EN301489-3
<b>RF</b>	EN300440

## Product codes

### Codes

### References

<b>RTE7RFD</b>	Wireless programmable electronic room temperature thermostat with receiver - White version
<b>RTE7RFB</b>	Wireless programmable electronic room temperature thermostat with receiver - Black version

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