



RT0 RF



## WIRELESS ELECTRONIC ROOM TEMPERATURE THERMOSTAT - PID CONTROL - DISPLAY WITH BACKLIGHT

Digital control of hydraulic heating

### Overview

#### Main features

- Room temperature control
- Ambient temperature and desired temperature permanently displayed
- Heatup indicator and battery replacement

#### Application

- Boiler
- Underfloor heating
- Electrical heating

#### Product + points

- **Sober design**
- **PID control:** Allows more precise temperature control to provide comfort and energy savings.
- **Easy to use:** one knob only for maximum ease of adjustment
- **Wide display screen,** white LCD with backlight for optimal readability
- **Ergonomic settings:** the knob allows precise adjustment

## Functional specifications

### Use



<b>Desired temperature</b>	Adjustable from +5°C to +30°C
<b>Readability</b>	Information is displayed on digits large enough to be easily readable
<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

### 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 modularity**



The wireless aspect means that you can change the lay-out of areas without having to make any changes at all to wiring



2 tilts table stand

# 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 (receiver)	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
--------------	-----

## 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

EMC	2014/53/EU
RoHS	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU : EN IEC 63000:2018

## Applicable standards

Safety	EN62311 ; EN60730-2-9 ; EN62311; EN50385
RoHS	EN IEC 63000
EMC	ETSI EN 301 489-1 ; ETSI EN 301 489-3
Radio	ETSI EN 300440

# Product codes

## Codes

RTE0RFB	Wireless electronic room temperature thermostat with receiver PID control and backlight
---------	---

## References

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