



RT7 RE

## WIRED 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

#### 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:** on a junction box or salient

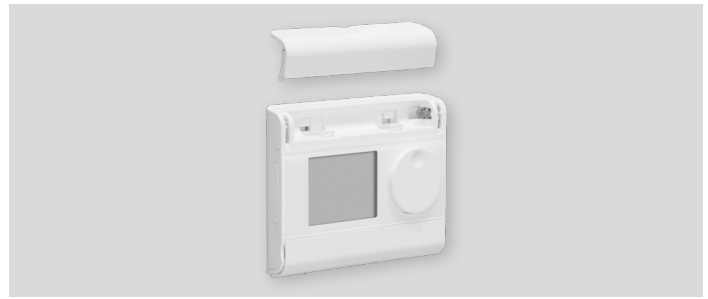
**Easy connexion,** using 2 wires only, in a large area, power supply of device is ensured by 2 provided batteries LR6 type

**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

### 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

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 1.5V AAA / LR06 alkaline batteries	Battery life approximately 2 years
Relay output	1 potential free contact, $\mu$ 5(2) A 230V ~
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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### 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	2014/30/EU
LVD	2014/35/EU
RoHS	2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

### Applicable standards

LVD	EN60730-1 / EN60730-2-7/EN60730-2-9/ EN62311
EMC	EN60730-1 / EN60730-2-7/ EN60730-2-9
RoHS	EN IEC 6300

## Product codes

### Codes

RTE7D	Wired programmable electronic room temperature thermostat
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### References

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