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 tempe-rature, 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

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 cor-rectly, which limits the risk of from errors due to mishandling

Installation

2 fitting options: on a junction box or salient
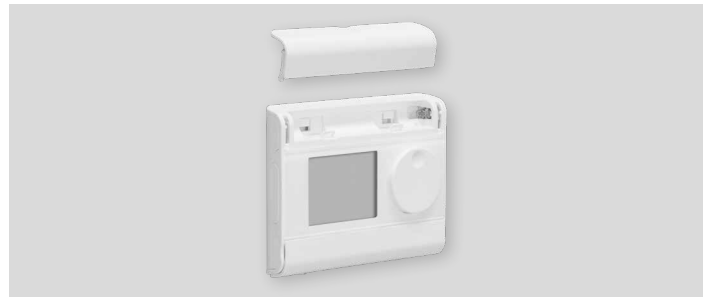
Easy connexion, using 2 wires only, in a large area, power supply of device is ensured by 2 provided batteries LR6 type

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

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: - Program modifications - Temporary change of temperature set point - Comfort mode activation - Boost activation
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 1.5V AAA / LR06 alkaline batteries	Battery life approximately 2 years
Relay output	1 potential free contact, µ 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

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	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

Applicable standards

LVD	EN60730-1 / EN60730-2-9/EN60730-2-9/ EN62311
EMC	EN60730-1 / EN60730-2-7/ EN60730-2-9
RoHS	EN IEC 63000

Product codes

Codes	References
RTE7D	Wired programmable electronic room temperature thermostat

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