

RTDSC

## ELECTRONIC ROOM TEMPERATURE THERMOSTAT

### Digital-control for wired control of heating



### Overview

#### Main features

- Room temperature control
- Wired transmission of the set temperature and the measured temperature

#### Application

- Underfloor heating / cooling
- Electric radiator
- Ventilation device

#### Product + points

- **Sober design**, suitable for traditional or contemporary interiors
- **Practical**: the product has a small footprint
- **Wide display screen**, blue backlighting
- **Ergonomic settings**: 4 keys for intuitive use

## Functional specifications

### Use



<b>Desired temperature</b>	Adjustable from +5°C to +30°C, default setting : 21°C
<b>Safety</b>	<ul style="list-style-type: none"> <li>- <b>Child safety</b>: keypad locking</li> <li>- <b>Settings safety</b>: <ul style="list-style-type: none"> <li>- Restricted settings in respect of a minimum temperature setpoint</li> <li>- Restricted settings in respect of a maximum temperature setpoint</li> </ul> </li> </ul>
<b>Display screen</b>	Viewing of settings, of measured, set temperature and keypad locking

### Installation

Installation on a junction box

Connection to thermoelectric actuators or wiring box dedicated to underfloor heating/cooling system

Manual system test: override of the outputs (heating switched or put into heating standby mode)

### Advanced settings

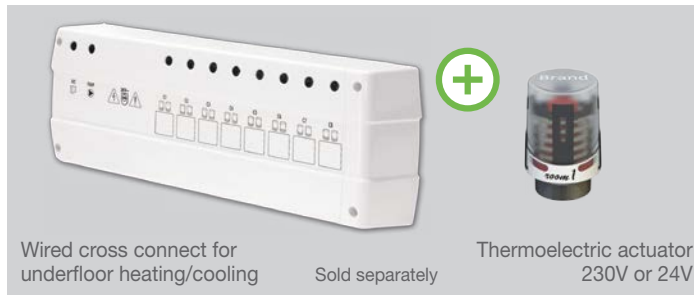
<b>Language</b>	English, French, Italian or German
<b>Temperature unit</b>	Degrees Celsius or degrees Fahrenheit
<b>Regulation adjustment according to type of use</b>	Can be used in conjunction with an underfloor heating/cooling system, a electric radiator or a ventilation system
<b>Configuring the output according to thermoelectric actuators</b>	<b>Suitable for thermoelectric actuators NO (normally open at rest) or NC (normally closed at rest), (NC default)</b>
<b>Max. setpoint temperature</b>	<b>Preset to +30°C</b> , adjustable from +5°C to +30°C
<b>Min. setpoint temperature</b>	<b>Preset to +5°C</b> , adjustable from +5°C to +30°C
<b>Restoring factory settings</b>	5 secondes minimum to restor factory settings

### Expert settings

<b>Temperature adjustment</b>	Ambient sensor calibration
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Sold separately



Wired cross connect for underfloor heating/cooling

Sold separately

Thermoelectric actuator  
230V or 24V

## Technical specifications

### Dimensional and finish specifications

Height	99 mm
Width	90 mm
Depth	26 mm
Color	White RAL 9010
Net weight	0,2 Kg

### Power supply

Operating voltage	24VAC or 230VAC +/-10%, 50Hz
Typical power consumption	30mA
Electronic output ON/OFF	24VAC +/- 10%, 50Hz, 0.7A max. or 230VAC +/-10%, 50Hz, 1A max
Connection	By means of clamp terminals for cables with 0.5 square mm to 1.5 square mm cross-sections

### Control

Control type	PID
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### Environment

Protection rating	IP20
Class	Class II
Operating temperature	0°C to +40°C
Temperature setting range	+5°C to +30°C
Storage temperature	-10°C to +50°C
Max. humidity level	85% at +25°C (without condensation)

### Applicable directives

	230V	24V
EMC	2014/30/EU	2014/30/EU
LVD	2014/35/EU	-
RoHS	2011/65/EU	2011/65/EU

### Applicable standards

LVD	EN60730-1 ; EN60730-2-9 ; EN62311
EMC	EN60730-1 ; EN60730-2-9
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

## Product codes

Codes	References
RTDSCIMHA	Wired digital-control thermostat, white, (230V AC)
RTDSCVMHA	Wired digital-control thermostat, white, (24V AC)

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