



RHDRFH

## ELECTRONIC ROOM TEMPERATURE THERMOSTAT

Digital-control, wireless transmission with a humidity sensor

### Overview



#### Main features

- Room temperature control
- Operating modes selection
- Control of ventilation and of cooling depending on the humidity level measured
- Wireless transmission by radio-waves

#### Application

- Underfloor heating/cooling system
- Ventilation

#### Product + points

- **Sober design**, suitable for traditional or contemporary interiors
- **Practical**: the product has a small footprint
- **Wide display screen**, blue backlighting
- **Ergonomic settings**: 5 keys for intuitive use

## Functional specifications

### Use



<b>Desired temperature</b>	Adjustable from +5°C to +30°C, default setting : +21°C
<b>Operating modes</b>	Auto, Comfort, Eco, Frost protection, Standby mode
<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> <li>- <b>Humidity-counteracting safety is ensured by two adjustable thresholds</b>: <ul style="list-style-type: none"> <li>- When the first threshold is exceeded, the ventilation is switched on</li> <li>- When the second threshold is exceeded, the cooling is switched off</li> </ul> </li> <li>- <b>An option exists of the cooling being switched off, only for the channel in question</b>, by means of the humidity threshold being exceeded during use in conjunction with our regulation devices for floor heaters/coolers</li> </ul>
<b>Display screen</b>	Viewing of settings, of measured and set temperatures, the pairing process, of wireless transmission, keypad locking and of battery status, rate of ambient humidity
<b>Manual system test</b>	<b>Override of the outputs</b> (heating switched or put into heating standby mode)

### Installation

**2 fitting options**: on a junction box or salient

Pairing with a wireless 1-channel receiver and/or a wireless multi-channel central control unit for underfloor heating/cooling, verification of pairing

### Wireless transmission by means of radio waves: Reliability, performance, flexibility and modulability



Approved Europe-wide, highly resistant to external sources of interference

Signals can go through walls and ceilings

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>Language</b>	English, French, Italian or German
<b>Temperature unit</b>	Degrees Celsius or degrees Fahrenheit
<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 and rate of ambient humidity calibration
-------------------------------	---



## Technical specifications

### Dimensional and finish specifications

Height	99 mm
Width	90 mm
Depth	23 mm
Color	White RAL 9010
Net weight	0.2 Kg

### Power supply

2 1.5V LR06 alkaline batteries	Battery life approximately 2 years
--------------------------------	------------------------------------

### Control

Control type	Control by the central control unit or by the 1 channel receiver
--------------	--

### Radio-wave transmission

Frequency	Radio transmitter, frequency 868.3 Mhz. Can be used throughout Europe
Transmission	Every 10 minutes, at the latest 1 minute after a set temperature change

### Environment

Protection rating	IP20
Class	Class III
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

RED	2014/53/EU
RoHS	2011/65/EU
DEEE	2012/19/EU

### Applicable standards

Safety	EN62311
Radio	EN300220-2
EMC	EN301489-1 ; EN301489-3
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

## Product codes

Codes	References
RHDRFHIMHA	Digital - Control Sensor Probe Thermostat, Wireless Transmission, white, with a humidity sensor

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