



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



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

Language	English, French, Italian or German
Temperature unit	Degrees Celsius or degrees Fahrenheit
Max. setpoint temperature	Preset to +30°C , adjustable from +5°C to +30°C
Min. setpoint temperature	Preset to +5°C , adjustable from +5°C to +30°C
Restoring factory settings	5 secondes minimum to restor factory settings

Expert settings

Temperature adjustment	Ambient sensor and rate of ambient humidity calibration
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Wireless central control unit for underfloor heating, 6 or 8 channels
Sold separately

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
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Control

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

R&TTE	1999/05/EC
RoHS	2011/65/EU
DEEE	2012/19/EU
EMC	2004/108/EC
LVD	2006/95/EC

Applicable standards

Radio	EN300220-1 ; 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.