RCBTH RF

WIRELESS SMART BI-DIRECTIONAL PROGRAMMABLE REMOTE CONTROL

Digital control, multi-application, management of automatic programming when receiver is self-learning process equiped, occupancy detection, open window detection, gauge and indication of energy consumption in kWh

Overview

Main features

- Ambient temperature control and limitation
- Surface temperature control and limitation (according to compatible product, RF8 receiver for example)
- Temperature setting
- Operating modes selection
- Quick heating of the bathroom using the instant boost
- Permanent display of the ambient and desired temperature, active operating mode and current day

Applications

- Electric towel heaters
- Electric towel heaters with blower
- Electric panel heaters
- Decorative radiator

Benefits

- **Sober design**
- **Excellent ergonomic settings:** 3 levels of settings, one rotary dial to set temperature, one button for Boost and 4 setting buttons protected by a cover
- **Large display:** white backlit LCD screen, easy to read
- **Easy to install:** wall-mounted or on a 2 tilts table stand
- **Energy saving pack**
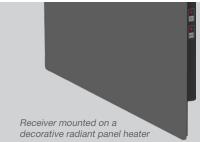- **Bidirectionnal 2,4GHz RF transmission**

Functional specifications

Use

Temperature setting	**Preset to +19°C,** adjustable from +7°C to +30°C
Operating modes	Auto (programming), Comfort, Eco, Frost protection
Display	Permanent display of ambient or surface temperature (according to compatible product)
Boost	Adjustable between 10 and 90 minutes by 5 minute steps: to rise quickly the temperature and turn on the controlled device for a time period requested
Energy consumption gauge	Automatic indication of the level of energy consumption according to the setting temperature
Power consumption indication in kWh	Posting of the estimated amount of energy consumed in kWh since the last 24 hours or since the last reset to 0 of the energy meter
Occupancy detection	If the controlled device is equipped with an occupancy detector, the remote control automatically takes into account this feature
Auto-programming	If the controlled device is equipped with an occupancy detector, the remote control automatically takes into account the smart program
Programming	- 5 different preset program profiles for each day of the week : P1, P2, P3, non-stop Comfort mode, non- stop Eco (economy) mode - P1, P2, P3 programs can be customized - Manual and temporary overriding of a program
Dual optimization feature	The remote control automatically takes into account this feature

Safety	- **Child anti-tamper:** keypad locking
	- **Settings safety:**
	  - Min. and Max limits of the adjustment range of the Comfort setting temperature
	  - Customizable PIN code locking (prevents access to the Comfort mode, installer and expert settings)
	- **Backup in case the batteries go off:**
	  - The whole of settings and programming: permanent backup

3 levels of settings	User, Installer, Expert

Towel heater controller

Blower

Receiver mounted on a decorative radiant panel heater

Examples of compatible products

Installation

2 fitting options: Wall mounting or on the supplied table stand

Wireless bidirectional 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 layout of areas without having to make any changes at all to wiring
Wireless transmission by means of radio waves
Bidirectional transmission: the remote control is able to send and receive informations from the controller, blower or RF receiver.

User settings

Eco mode temperature lowering level	**Preset at -3,5°C,** adjustable from -1°C to -8°C
Frost protection temperature	**Preset at +7°C,** adjustable from +5°C to +15°C
Super comfort (automatic Boost)	**Feature available on blower, enabled by default,** can be disabled
Min. setpoint temperature	**Preset at +7°C,** adjustable from +7°C to +15°C
Max. setpoint temperature	**Preset at +30°C,** adjustable from +19°C to +30°C
Max. ambient temperature	**Preset at +30°C,** adjustable from +19°C to +30°C
Max. surface temperature (according to compatible product)	**Preset at +80°C,** adjustable from +40°C to no limit
Maximum duration of authorised Boost	**60 minutes by default,** adjustable from 30 to 90 minutes by 30 minutes steps
Max. ambient temperature for the automatic stop of the Boost	**Preset at +35°C,** adjustable from +25°C to +39°C
Reset: return to the factory user settings	

Installer settings

Automatic window-opening detection	**Enabled by default,** can be disabled
Occupancy detection	**Enabled by default,** can be disabled
PIN code locking	**Disabled by default,** can be enabled - Lock all controls except Boost
Reset: return to the factory user and installer settings	

Expert settings

Temperature adjustment	Ambient or surface temperature (according to compatible product) adjustment
Management of temperatures (according to compatible product)	Preset with ambient temperature control with surface temperature limitation or surface temperature control with ambient temperature limitation
Reset: return to the factory user, installer and expert settings	

Technical specifications

Dimensional and finish specifications

Height	95 mm	
Width	120 mm	
Depth	29.6 mm	
Colors	White	Black
Net weight	0,164 Kg	

Power supply

2 x 1.5V AA / LR6 alkaline batteries	Battery typically 2 years

2 tilts table stand

Radio-wave transmission

Frequency	Radio transmitter, frequency 2.40 to 2.48GHz. Can be used throughout Europe

Environment

Protection rating	IP30
Class	II
Operating temperature	0°C to +40°C
Storage temperature	-10°C to +60°C

Applicable directives

RED	2014/53/EU
RoHS	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

Applicable standards

RED	Safety: EN 60730-1:2011/EN 60730-2-7: 2010/ EN 60730-2-9: 2010/ EN62311:2008 EMC: ETSI EN 301 489-1 V2.2.3 (11-2019) / ETSI EN 301 489-3 V2.1.1 (03-2019), ETSI EN 301 489-3 V2.3.2 (01-2023) Radio: ETSI EN 300 440 V2.2.1 (07-2018)
RoHS	EN IEC 63000:2018
Manufacturing	On certified site ISO 9001 V2015

Product codes

Codes	Descriptions
RCBTHRFF	Radio frequency digital remote control - White version
RCBTHRFBF	Radio frequency digital remote control - Black version

Compatible products

Codes	Descriptions
Towel rails controllers	
BXGTHB2PA / BXGTHB2PGA	Digital weekly programmable controller for electric towel-rail, White/grey, CLII with 6-order pilot wire
BXGTHBI2PA / BXGTHBI2PGA	Digital auto-programmable controller with occupancy detection for electric towel-rail, White/grey, CLII with 6-order pilot wire
Blowers	
BXFBS2PRFA / BXFBS2PRFIGA	White/grey blower with digital controller for towel rail, RF, CLII, with 6-order pilot wire
BXFBSH2RFIA / BXFBSH2RFIGA	White/grey blower with digital controller for hydraulic towel rail, auto-programming with occupancy detection, window open detection, CLII
BXFBS2PRFIA / BXFBS2PRFIGA	White/grey blower with digital controller for towel rail, auto-programming with occupancy detection, CLII, with 6-order pilot wire
Receivers	
REARF8REB / REARF8REGB	1-channel receiver 8.7A, White/grey

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