



RCBTH RF

## RADIO FREQUENCY DIGITAL REMOTE CONTROL

Digital control for towel heater management

### Overview

#### Main features

- Ambient temperature control
- 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 heater controllers
- Electric towel heater blowers

#### 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**
- **Bidirectional 2,4GHz RF transmission**

## Functional specifications

### Use



<b>Temperature setting</b>	Preset to +19°C, adjustable from +7°C to +30°C
<b>Operating modes</b>	Auto (programming), Comfort, Eco, Frost protection
<b>Boost</b>	Adjustable between 10 and 90 minutes by 5 minute steps: to rise quickly the temperature and turn on the controller or blower for a time period requested
<b>Energy consumption gauge</b>	Automatic indication of the level of energy consumption according to the setting temperature
<b>Power consumption indication in kWh</b>	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
<b>Occupancy detection</b>	If the controller or blower is equipped with an occupancy detector, the remote control automatically takes into account this feature
<b>Auto-programming</b>	If the controller or blower is equipped with an occupancy detector, the remote control automatically takes into account the smart program
<b>Programming</b>	<ul style="list-style-type: none"> <li>- 5 different preset program profiles for each day of the week : P1, P2, P3, non-stop Comfort mode, non-stop Eco (economy) mode</li> <li>- P1, P2, P3 programs can be customized</li> <li>- Manual and temporary overriding of a program</li> </ul>
<b>Dual optimization feature</b>	The remote control automatically takes into account this feature
<b>Safety</b>	<ul style="list-style-type: none"> <li>- <b>Child anti-tamper:</b> keypad locking</li> <li>- <b>Settings safety:</b> <ul style="list-style-type: none"> <li>- Min. and Max limits of the adjustment range of the Comfort setting temperature</li> <li>- Customizable PIN code locking (prevents access to the Comfort mode, installer and expert settings)</li> </ul> </li> <li>- <b>Backup in case the batteries go off:</b> <ul style="list-style-type: none"> <li>- The whole of settings and programming: permanent backup</li> </ul> </li> </ul>
<b>3 levels of settings</b>	User, Installer, Expert

### 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 or blower





## User settings

Eco mode temperature lowering level	Preset at <b>-3,5°C</b> , adjustable from -1°C to -8°C
Frost protection temperature	Preset at <b>+7°C</b> , 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 <b>+7°C</b> , adjustable from +7°C to +15°C
Max. setpoint temperature	Preset at <b>+30°C</b> , adjustable from +19°C to +30°C
Maximum duration of authorised Boost	<b>60 minutes by default</b> , adjustable from 30 to 90 minutes by 30 minutes steps
Max. ambient temperature for the automatic stop of the Boost	Preset at <b>+35°C</b> , adjustable from +25°C to +39°C
<b>Reset: return to the factory user settings</b>	

## 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
<b>Reset: return to the factory user and installer settings</b>	

## Expert settings

Temperature adjustment	Ambient temperature sensor adjustment
<b>Reset: return to the factory user, installer and expert settings</b>	

## 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
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### Radio-wave transmission

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

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

### Applicable directives

RED	2014/53/EU
RoHS	2011/65/EU

### Normes en vigueur

RED	Safety: EN62311 EMC: ETSI EN 301489-1; ETSI EN 301489-3 Radio: ETSI EN 300440
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2015

## Product codes

### Codes

RCBTHRFA	Radio frequency digital remote control - White version
RCBTHRFBFA	Radio frequency digital remote control - Black version

### References

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