

## SLIM BLOWER FIRST



### SMART BLOWER WITH HOT AIR FLOW EXTRA-SLIM STYLE, ECODESIGN COMPLIANT FOR ELECTRIC TOWEL RAIL

Very thin controller with integrated blower, digital controls, programmable with opened window detection, gauge and power consumption indication in kWh, wireless remote control (optional)

#### Overview



**ECOdesign 2018**  
compliant



Optional RF remote control

#### Main features

- Ambient temperature control
- Temperature setting
- Power On / Standby
- Operating modes selection
- Quick heating of the bathroom using the instant Boost
- Customized integrated programming or can be programmed remotely using the 6-order pilot wire

#### Application

- Electric towel rail
- Hydraulic towel rail

#### Benefits

- **Ultra-discreet** : Once integrated, the controller at the back of the heating body is aesthetically invisible
- **Adaptability** : can be mounted on electric or hydraulic device, and fits with different shapes of heating body, scale profile
- **Excellent ergonomic settings**
- **"Smart" electronic control**: this means stable and accurate temperature in the bathroom all year round
- **Energy Saving Pack**
- **Super comfort feature (automatic Boost)**: additional instantaneous heating, the hot air blower enables automatic and swift room temperature increase, after an Eco, Frost protection or Standby period
- **80 mm thickness behind the towel rail** : makes the packaging of towel rails easier and fits perfectly into small bathrooms
- **Active memory**: clock and settings are saved by EEPROM in case the mains power supply goes off

## Functional specifications

### Use



<b>Power On / standby</b>	A switch allows the appliance to be on standby
<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 in 5 minutes intervals: to rise quickly the temperature and turn on the 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>Opened window detection</b>	Automatic switching to Frost protection mode when a significant drop in temperature is detected
<b>Window airing feature</b>	Manual window airing can be enables at any time
<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 programmes can be customised</li> <li>- Manual and temporary overriding of a programme</li> </ul>



Examples of mounting



Wireless remote control (optional)

<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 mains power supply goes off</b> :             <ul style="list-style-type: none"> <li>- The whole of settings and programming : permanent backup</li> <li>- Current time and date : backup time of 16hrs typical</li> </ul> </li> <li>- <b>Anti-obstruction safety</b>: prevents the unvoluntary air flow obturations (filter and ventilation grid) shutting down/switching off the blower</li> <li>- <b>Overheating protection</b> of the ambient temperature during the Boost mode</li> <li>- <b>Internal protection against any overheating</b></li> </ul>
<b>Tangencial turbine blower</b>	insuring a low noise level with anti vibration device, adjustable fins upwardly
<b>Removable anti-dust filter</b>	Cleanable, without removing the blower
<b>Post-ventilation</b>	In order to preserve and improve the lifetime of the device, a post-ventilation cycle is performed after each boost or super comfort period to quickly decrease the internal temperature
<b>3 levels of settings</b>	User, Installer, Expert

## Installation

<b>Adaptability</b>	<p>Module adaptable to the majority of towel rails available on the market, straight, flat or curved tubes, 2 solutions for fixing the module to the heating body:</p> <ul style="list-style-type: none"> <li>- Towel rails with straight or curved tubes: 2 x wall-mounting brackets for 22mm diameter tubes (space between tubes: 42mm) and 25mm (space between tubes: 39mm)</li> <li>- Towel rails with flat tubes: 2 x M8 threaded shafts</li> </ul>	
<b>Connection to the heating cartridge</b>	Quick electric connexion by Faston	
<b>Sealing</b>	1 o'ring supplied	

## User settings

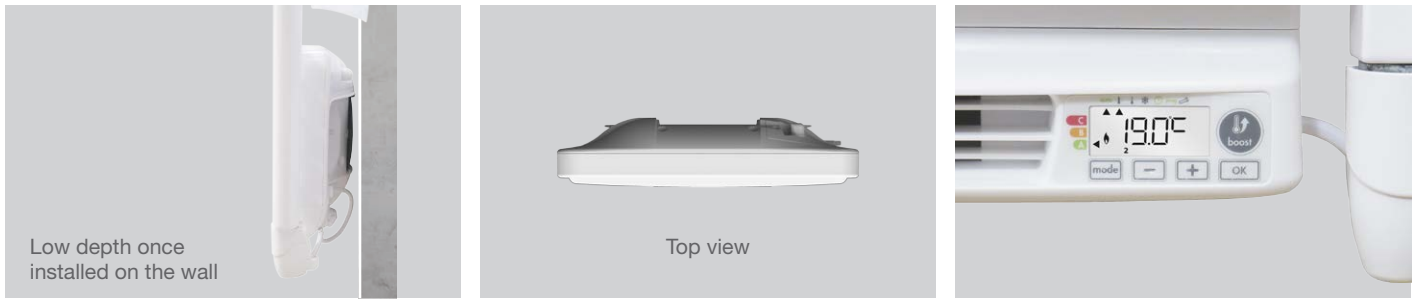
<b>Backlighting</b>	<p><b>2 settings:</b></p> <ul style="list-style-type: none"> <li>- <b>Temporary backlighting (default setting)</b>: backlight of the screen when a button is pressed</li> <li>- <b>Non-stop backlighting</b>: backlight of the screen all the time</li> </ul>
<b>Eco mode temperature lowering level</b>	<b>Preset at -3,5°C</b> , adjustable from -1°C to -8°C
<b>Frost protection temperature</b>	<b>Preset at +7°C</b> , adjustable from +5°C to +15°C
<b>Super comfort (automatic Boost)</b>	<b>Enabled by default</b> , can be disabled
<b>Min. setpoint temperature</b>	<b>Preset at +7°C</b> , adjustable from +7°C to +15°C
<b>Max. setpoint temperature</b>	<b>Preset at +30°C</b> , adjustable from +19°C to +30°C
<b>Maximum duration of authorised Boost</b>	<b>60 minutes by default</b> , adjustable from 30 to 90 minutes by 30 minutes steps
<b>Max. ambient temperature for the automatic stop of the Boost</b>	<b>Preset at +35°C</b> , adjustable from +25°C to +39°C
<b>Window airing cycle duration</b>	<b>30 minutes by default</b> , adjustable from 5 to 90 minutes by 5 minutes steps
<b>Reset: return to the factory user settings</b>	

## Installer settings

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

## Expert settings

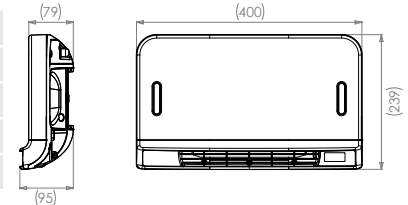
<b>Temperature adjustment</b>	Ambient temperature sensor adjustment
<b>Energy selection</b>	Energy used by the towel rail: Electric or hydraulic
<b>Power</b>	Choice of the towel rail power when it is equipped with an electric cartridge
<b>Safety: internal protection</b>	Adjustment of the internal overheating temperature limit
<b>Reset: return to the factory user, installer and expert settings</b>	



## Technical specifications

### Dimensional and finish specifications

Height	239 mm	
Width	400 mm	
Depth	95 mm	
Color	White	Grey
Net weight	2,35 Kg	



### Power supply

Operating voltage	230V AC+/-10% 50Hz
Maximum power	Self adaptive PTC nominal power 850W to 1000W according to environment & immersion heater: maximum 1500 W, resistive load
Power cord	800 mm, 3 conductors
Radio frequency	2,4Ghz

### Control

Control type	Electronic PID (Proportional Integral Derivative) control
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### Environment

Protection rating	IP24 after installation under the responsibility of the integrator
Class	Class II, after installation under the responsibility of the integrator
Operating temperature	0°C to +40°C
Temperature setting range	+7°C to +30°C
Storage temperature	-20°C to +65°C
NTC electronic temperature sensor	

### Applicable directives

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

### Normes en vigueur

RED	Safety: EN60335-1; EN60335-2-30; EN60335-2-43; EN62333 EMC: EN301489-1; EN301489-3 Radio: EN300400
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

## Product codes

Codes	Descriptions
<b>BXFBS2PRFA</b>	White blower with digital controller for towel rail, RF, CLII, with 6-order pilot wire
<b>BXFBS2PRFGA</b>	Grey blower with digital controller for towel rail, RF, CLII, with 6-order pilot wire
<b>RCBTHRFA</b>	Wireless digital remote control, weekly programmable, 6 operating modes
<b>BRETHBSA</b>	Bracket for assembly of blower slim module, polycarbonate white, 1pce
<b>BRETHBSTA</b>	Bracket for assembly of blower slim module, polycarbonate translucent, 1pce
<b>BCATHBSTA</b>	Nut demi-spherical for blower slim assembly, polycarbonate translucent, 1pce

Product customization (style, features) possible on request. Please contact us.