BLOWER PIR

WARM AIR BLOWER FOR ELECTRIC TOWEL HEATERS

Built-in control unit, customizable, equipped with a motion detector, analog controls on the upper part of the blower, supplied with or without a pilot wire

Overview

Main features

- Room temperature control
- Heating on/off switch
- Desired temperature setting
- Operating modes selection
- Quick heating of your bathroom using the Boost feature
- Motion detector

Application

- Electric towel heaters with heat-transfer fluid
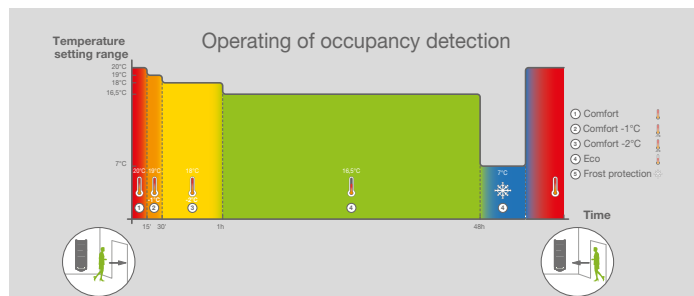
Product + points

- **Ergonomic settings**: in order to make it easier to set the blower, the control panel has been located at the top of the towel heater and the two ergonomic dials make it easy for you to select the heating method and the desired temperature
- **"Intelligent" electronic control:** this provides year-round maintenance of a stable and accurate temperature in your home
- **Width of 120mm,** this facilitates the hanging of towels and makes the appliances perfect for use in small bathrooms
- The control box can be quickly **customized** by changing the front cover

Functional specifications

Use

Power On / Standby	A switch allows the appliance to be on standby
Desired temperature	Adjustable from +10°C to +30°C
Operating modes	- **Automatic PIR (passive infra-red) Max Mode:** motion detection is enabled. The priority is thus a snug temperature in your bathroom, since the blower is automatically switched on (by means of the Boost feature) - **Automatic PIR (passive infra-red) Eco (economy) Mode:** motion detection is enabled, Comfort Mode is automatically switched on and the priority is thus energy savings, since the blower does not come on automatically - **Automatic Pilot Wire Mode:** motion detection is switched off. The towel heater operates in line with commands that are sent to it via the connected pilot wire - **Frost Protection Mode:** motion detection is disabled. Your house or apartment is thus protected against freezing temperatures when you are away from home
Boost feature	Setting: 30 minutes or 1 hour, temperature is set to the maximum limit during a chosen duration
Motion detector	- **Presence detection:** the Boost feature or Comfort Mode is automaticaly switched on when movement is detected in your bathroom - **Absence detection:** the temperature is automatically lowered in successive stages when nobody uses your bathroom
Safety	- **Child safety:** keypad locking - **Room overheating is prevented in Boost mode** - **Internal protection against overheating faults** - **Anti-obstruction safety:** prevents the unvoluntary air flow obsturations (filter and ventilation grille) shutting down/switching off the blower - **Settings are saved by means of EEPROM in the event of a power supply voltage outage**
Pilot lights	Viewing the switch resistance, the Boost, the pilot wire control, the control lock and filter status
Tangencial turbine blower insuring a low noise level with anti vibration device, adjustable fins upwardly	
Removable anti-dust filter	Cleanable, without removing the blower

An example illustrating how you can customize your warm air blower

Operating of occupancy detection

Installation

Rail extendable bracket: adaptation of the blower on towel heater with different widths between 500 and 600 mm overall (450 to 550 mm on center manifolds), no welding, no additional tool	
The blower can be connected quickly and easily to a mains power supply using the faston lugs	
Sealing	Two O-rings included

Technical specifications

Dimensional and finish specifications

Height	208 mm	
Width	490 to 590 mm	
Depth	120 mm	
Color	White RAL 9003	Grey RAL 9006
Net weight	2,88 Kg	

Power supply

Operating voltage	230V AC+/-10% 50Hz
Power cord	Class II: 800mm, 2 conductors or 3 conductors

Consumption

Maximum power	1250W, resistive load
Electric consumption when the switch is in OFF position	0 W (a zero-voltage control device reduces electromagnetic interference -- the blower complies with French standard (NF) performance criteria)

Control

Control type	Electronic PID (Proportional Integrated Derivative) control with microprocessor

Environment

Protection rating	IP24 after installation under the responsability of the integrator
Class	Class II after installation under the responsability of the integrator
Operating temperature	0°C to +50°C
Temperature setting range	+10°C to +30°C
Storage temperature	-20°C to +70°C
NTC Temperature sensor electronics	

Applicable directives

EMC	2014/30/EU
LVD	2014/35/EU
RoHS	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

Applicable standards

EMC	EN55014-1 ; EN55014-2 ; EN61000-3-2 ; EN61000-3-3
LVD	EN60335-1 ; EN60335-2-30 ; EN60335-2-43 ; EN62333
RoHS	EN IEC 63000
Manufacturing	On certified site ISO 9001 V2015

Product codes

Codes	References
BXEMOIA2PA	Blower with a built-in control unit, a motion detector and analog controls on the upper part of it, white, for electric towel heaters, Class II, comes with a pilot wire and an 80 cm power cable

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