TH2

CONTROLLER FOR ELECTRIC TOWEL RAILS
Digital controller with 6-order pilot wire and instant Boost

Overview

Main features

- Ambient temperature control
- Desired temperature setting
- Power On / Standby
- Quick heating of your bathroom using the instant Boost
- Can be programmed remotely using a 6-order pilot wire

Application

- Electric towel rails

Benefits

- **Sober and simple design:** the controller fits in harmoniously with the towel rails style
- **Ergonomic settings:** one button for each feature
- **"Smart" electronic control:** this means stable and accurate temperature in the bathroom all year round
- **Robust:** the triac and the relay zero crossing switching system optimize product life time
- **Active memory:** settings are saved by EEPROM in case the mains power supply goes off

Functional specifications

Use

Power On / Standby	
Desired temperature setting	Adjustable from 8°C to 30°C with visible Comfort range, approximately 21°C
Boost	Adjustable 1 hour or 2 hours, rises the heat of the bathroom and enables quick drying of clothes or wet towels.
Led status	Viewing the level of desired temperature, whether the Boost feature is on or off and whether the pilot wire is in operation
Help for the visually impaired	- **The button power on/standby mode is in relief** to be easily identifiable to the touch - **Audible beeps** indicating the change from the standby mode to active mode
Safety	- **Child anti-tamper:** keypad locking - **Active memory:** settings are saved by EEPROM in case the mains power supply goes off - **Overheating protection** of the ambient temperature during the Boost mode - **Internal protection against any overheating** - **Integrated dewatering system:** in normal use, it reduces the risk of having an accumulation of water inside the housing (enhanced user safety)

Installation

Compatible with all types of electric heating bodies
Controller assembly directly on the towel rails
Connection to the heating electric cartridge by faston
Sealing: supplied o'ring to be fitted on the heating cartridge

Technical specifications

Dimensional and finish specifications

Height	68 mm	
Width	137.9 mm	
Depth	48.4 mm	
Color	White RAL 9016	Grey RAL 9006
Net weight	0,2 Kg	

Power supply

Operating voltage	230V +/-10% 50Hz
Maximum power	2000W, resistive load
Power cord	800 mm, 3 conductors

Control

Control type	Electronic TPI (Time Proportional and Integral) control, triggered by a triac

Environment

Protection rating	IP44, 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	+8°C to +30°C approx.
Storage temperature	-20°C to +70°C
NTC electronic temperature sensor	

Applicable directives

EMC	2014/30/EU
LVD	2014/35/EU
RoHS	2011/65/EU

Applicable standards

EMC	EN55014-1 ; EN55014-2 ; EN61000-3-2 ; EN61000-3-3
LVD	EN60335-1 ; EN60335-2-30 ; EN60335-2-43 ; EN62233
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

Product codes

Codes	Descriptions
BXATH2D2PC	Digital controller for electric towel rails, white, Class II with 6-orders pilot wire
BXBTH2D2PC	Digital controller for electric towel rails, grey, Class II with 6-orders pilot wire

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