



TH4



CONTROL UNIT FOR AN ELECTRIC TOWEL HEATERS

Digital control with 6-order pilot wire and Boost feature and sound signals of power on/Heating on standby

Overview

Main features

- Room temperature control
- Standby feature, switch Heating on with audible indications
- Desired temperature setting
- Operating mode selection
- Quick heating of your bathroom using the Boost feature
- Remote programming by means of a 6-order pilot wire

Application

- Electric towel heaters with heat-transfer fluid

Product + points

- **Sober and simple design:** the temperature control panel is a harmonious part of the overall design of the towel heater.
- **Practical:** the product has a small footprint
- **Ergonomic settings:** one button for each feature
- **High-precision electronic PID (Proportional Integrated Derivative) temperature regulation**

Functional specifications

Use



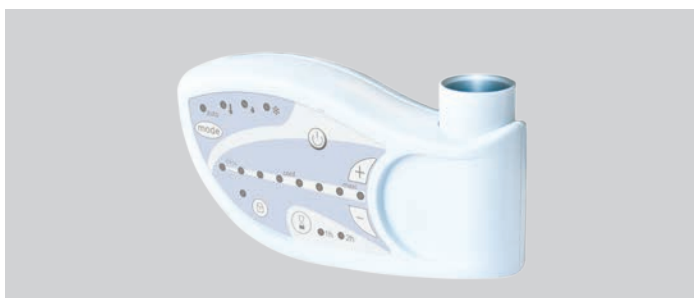
Heating on/off	
Desired temperature	Adjustable from +8°C to +30°C
Operating modes	Auto, Comfort, Eco, Frost protection or Standby
Boost feature	Can be set to run for 1 hour or 2 hours, temperature is set to the maximum limit during a chosen duration
Safety	<ul style="list-style-type: none"> - Child safety: keypad locking - Room overheating is prevented in Boost mode - Internal protection against short circuit or open circuit on thermistor - Settings are saved by means of EEPROM in the event of a power supply voltage outage
Pilot lights	Viewing the current operating mode, 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	<ul style="list-style-type: none"> - One specific sound signal for standby mode activation, another specific signal for Auto mode activation - Landmarks relief: Power on/heating on standby

Installation

Compatible with all types of electric heating bodies

The control unit can be connected quickly and easily to a mains power supply using the faston lugs

Sealing Joint to be fit to the supplied cartridge heater



Technical specifications

Dimensional and finish specifications

Height	80 mm	
Width	150 mm	
Depth	34.5 mm	
Color	White RAL 9003	Grey RAL 9006
Net weight	0,21 Kg	

Power supply

Operating voltage	230V +10/-15% 50Hz
Maximum power	2000W, resistive load
Power cord	800 mm

Control

Control type	Electronic PID (Proportional Integrated Derivative) temperature regulation with microprocessor
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Environment

Protection rating	IP44, IK03
Class	Class II, after installation under the responsibility of the integrator
Operating temperature	0°C to +50°C
Desired temperature setting	From +8°C to +30°C approx.
Storage temperature	-20°C to +70°C
NTC temperature sensor electronics	

Applicable directives

EMC	2004/108/EC
LVD	2006/95/EC
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 ; EN62334
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

Product codes

Codes

BXATH4C	White digital controller for towel rails and blue inlay, Class II, with pilot wire and power cord 800mm
BXCTH4D2PC	Grey digital controller for towel rails and grey inlay, Class II, with pilot wire and power cord 800mm

References

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