



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



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

### 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	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 ; EN62334
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

# Product codes

## Codes

<b>BXATH4C</b>	White digital controller for towel rails and blue inlay, Class II, with pilot wire and power cord 800mm
<b>BXCTH4D2PC</b>	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.