



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



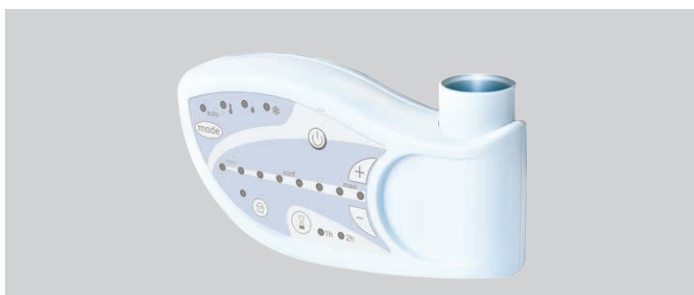
|                                       |   |
|---------------------------------------|---|
| <b>Heating on/off</b>                 |   |
| <b>Desired temperature</b>            | Adjustable from +8°C to +30°C   |
| <b>Operating modes</b>                | Auto, Comfort, Eco, Frost protection or Standby   |
| <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   | Grey |
| 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 |
|--------------|--|

## 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.