



THECO-A



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## DIGITAL CONTROLLER ECODESIGN COMPLIANT FOR ELECTRIC TOWEL RAIL

Digital panel, programming integrated, opened window detection, gauge and power consumption indication in kWh

### Overview

#### Main features

- Ambient temperature control
- Temperature setting
- Power On / Standby
- Operating modes selection
- Quick heating of the bathroom using the instant Boost
- Integrated programming

#### Application

- Electric towel rail

#### Benefits

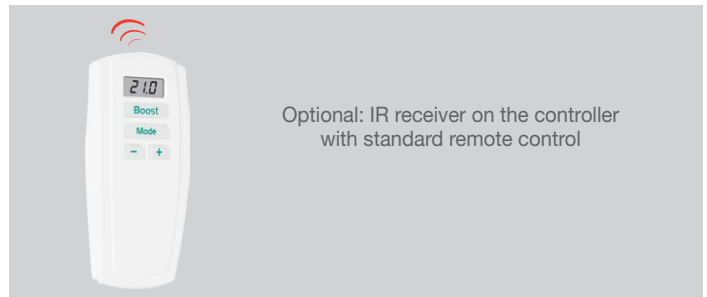
- **Sober and simple style:** the controller fits in harmoniously with the towel rail style
- **Excellent ergonomic settings :** tilted interface with large and spaced buttons
- **Large display:** easy to read
- **"Smart" electronic control:** stable and accurate temperature in the bathroom all year round
- **Energy consumption gauge and power consumption indication**
- **Integrated temperature sensor, which cannot be accessed from the outside:** the product is more resistant during installation

## Functional specifications

### Use



<b>Power On / standby</b>	A dedicated button allows the appliance to be on standby
<b>Temperature setting</b>	<b>Preset at 19°C</b> , adjustable from +7°C to +30°C
<b>Operating modes</b>	Auto (Programming), Comfort, Eco (Economy), Frost protection, Standby mode
<b>Boost</b>	Adjustable between 10 and 90 minutes in 5 minutes intervals rises the heat of the bathroom and enables quick drying of clothes or wet towels.
<b>Energy consumption gauge</b>	Automatic indication of the level of energy consumption according to the setting temperature
<b>Power consumption indication in kWh</b>	Posting of the estimated amount of energy consumed in kWh since the last 24 hours or since the last reset to 0 of the energy meter
<b>Opened window detection</b>	Automatic switching to Frost protection mode when a significant drop in temperature is detected
<b>Programming</b>	<ul style="list-style-type: none"> <li>- 5 different preset program profiles for each day of the week : P1, P2, P3, non-stop Comfort mode, non-stop Eco (economy) mode</li> <li>- P1, P2, P3 programmes can be customised</li> <li>- Manual and temporary overriding of a programme</li> </ul>
<b>Help for the visually impaired</b>	<ul style="list-style-type: none"> <li>- <b>The button power on/standby mode is in relief</b> to be easily identifiable to the touch</li> <li>- <b>Audible beeps</b> indicating the change from the standby mode to active mode</li> </ul>
<b>Safety</b>	<ul style="list-style-type: none"> <li>- <b>Child anti-tamper :</b> keypad locking</li> <li>- <b>Setting safety :</b> <ul style="list-style-type: none"> <li>- Min. and Max limits of the adjustment range of the Comfort setting temperature</li> <li>- Customizable PIN code locking (prevents access to the Comfort mode, installer and expert settings)</li> </ul> </li> <li>- <b>Overheating protection</b> of the ambient temperature during the Boost mode</li> <li>- <b>Integrated dewatering system:</b> in normal use, it reduces the risk of having an accumulation of water inside the housing (enhanced user safety)</li> </ul>
<b>3 levels of settings</b>	User, Installer, Expert



## Installation

Compatible with the majority of heater elements

Controller assembly directly on the towel rail

Connection to the heating electric cartridge by faston

**Sealing:** supplied o'ring to be fitted on the heating cartridge

## User settings

<b>Eco mode temperature lowering level</b>	<b>Preset at -3,5°C</b> , adjustable from -1°C to -8°C
<b>Frost protection temperature</b>	<b>Preset at +7°C</b> , adjustable from +5°C to +15°C
<b>Min. setpoint temperature</b>	<b>Preset at +7°C</b> , adjustable from +7°C to +15°C
<b>Max. setpoint temperature</b>	<b>Preset at +30°C</b> , adjustable from +19°C to +30°C
<b>Maximum duration of authorised Boost</b>	<b>60 minutes by default</b> , adjustable from 30 to 90 minutes
<b>Max. ambient temperature for the automatic stop of the Boost</b>	<b>Preset at +39°C</b> , adjustable from +25°C to +39°C
<b>Reset: return to the factory user settings</b>	

## Installer settings

<b>Automatic window-opening detection</b>	<b>Enabled by default</b> , can be disabled
<b>PIN code locking</b>	<b>Disabled by default</b> , can be enabled - Lock all controls except Boost
<b>Reset: return to the factory user and installer settings</b>	

## Expert settings

<b>Temperature adjustment</b>	Ambient temperature sensor adjustment
<b>Power</b>	Choice of the towel rail power when it is equipped with an electric cartridge
<b>Reset: return to the factory user, installer and expert settings</b>	

## Technical specifications

### Dimensional and finish specifications

<b>Height</b>	64,5 mm	
<b>Width</b>	120 mm	
<b>Depth</b>	38 mm	
<b>Color</b>	White RAL 9016 - Grey RAL 9006	
<b>Net weight</b>	0,3 Kg	

### Power supply

<b>Operating voltage</b>	230V +/-10% 50Hz
<b>Maximum power</b>	1500W, resistive load
<b>Power cord</b>	800 mm, 2 conductors

### Control

<b>Control type</b>	Electronic PID (Proportional Integral Derivative) control, triggered by a relay
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## Environment

<b>Protection rating</b>	IP44 after installation under the responsibility of the integrator
<b>Class</b>	Class II, after installation under the responsibility of the integrator
<b>Operating temperature</b>	0°C to +50°C
<b>Temperature setting range</b>	+7°C to +30°C
<b>Storage temperature</b>	-20°C to +70°C
<b>NTC electronic temperature sensor</b>	

## Applicable directives

<b>EMC</b>	2014/30/EU
<b>LVD</b>	2014/35/EU
<b>RoHS</b>	2011/65/EU

## Applicable standards

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

## Product codes

Codes	Descriptions
<b>BXGTHAR2A</b>	Digital weekly programmable controller for electric towel-rail, white, CLII
<b>BXGTHAR2GA</b>	Digital weekly programmable controller for electric towel rail, grey, CLII

## Options

Infrared receiver for remote control - Class I with shuko plug
Infrared receiver for remote control - Class II with pilot wire

**Product customization (style, features) possible on request. SKUs may change depending on optional features requested. Please contact us.**