



THED01



30° tiltable



20° tiltable



10° tiltable

TILTABLE CONTROLLER FOR ELECTRIC TOWEL RAIL

Tiltable digital panel, back-lit screen, instant and programmable Boost, occupancy detection (optional), opened window detection, gauge and power consumption indication in kWh

Overview

Main features

- Ambient temperature control
- Desired temperature setting
- Power On / Standby
- Operating modes selection
- Quick heating of your bathroom using the instant and programmable Boost
- Programming integrated or can be programmed remotely using a 6-order pilot wire

Application

- Electric towel rail

Benefits

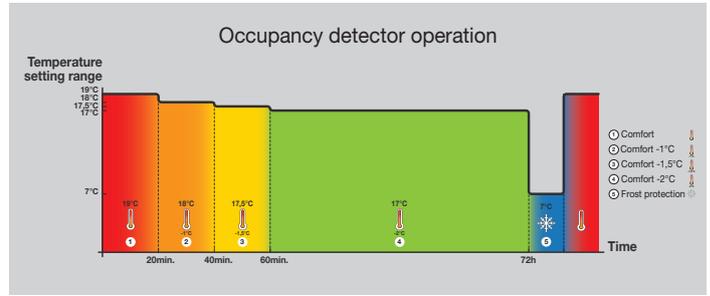
- **Sober and simple style:** the controller fits in harmoniously with the towel rail style
- **Excellent ergonomic settings :** 3 possible tilts
- **Large display:** white backlit LCD screen, easy to read
- **"Smart" electronic control:** this means stable and accurate temperature in the bathroom all year round
- **Energy Saving Pack**
- **Integrated temperature sensor, which cannot be accessed from the outside:** the product is more resistant during installation
- **Automatic change summer/winter time**
- **Active memory:** clock and settings are saved by EEPROM in case the mains power supply goes off

Functional specifications

Use



Energy consumption gauge	Automatic indication of the level of energy consumption according to the setting temperature
Power consumption indication in kWh	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
Opened window detection	Automatic switching to Frost protection mode when a significant drop in temperature is detected
Occupancy detection (optional)	During an unoccupied period, the setting temperature is automatically and progressively decreased
Operating modes	Auto (Programming), Boost, Comfort, Eco (Economy), Frost protection, Standby mode
Boost	Adjustable between 10 and 60 minutes in 10 minute intervals rises the heat of the bathroom and enables quick drying of clothes or wet towels.
Boost programming	7 day and daily programme according 2 operating modes: - ECO BOOST (priority to savings): the device will operate non-stop in Eco mode except when the Boost will operate during the programmed periods of bathroom using. - COMFORT BOOST (priority to comfort): the device will operate non-stop in Comfort mode except when the Boost will operate during the programmed periods of bathroom using. You can programme 1 or 2 Boosts day by day or by group of days.
Desired temperature setting	Preset at 19°C , adjustable from +7°C to +30°C
Programmable holiday mode	Frost protection for a long scheduled absence
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
	- Setting safety : - Min. and Max limits of the adjustment range of the Comfort setting temperature - Customizable PIN code locking (prevents access to the Comfort mode, advanced and expert settings)
	- Backup in case the mains power supply goes off : - The whole of settings and programming : permanent backup - Current time and date : backup time of 24hrs typical
	- 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 rail
Connection to the heating electric cartridge by faston
Sealing : supplied o'ring to be fitted on the heating cartridge

User settings

Language use	preset to French , English, German and Spanish available
Backlighting	3 settings : - Temporary backlighting (default setting) : backlight of the screen when a button is pressed - Non-stop backlighting : backlight of the screen all the time - No backlighting : the screen is not lit

Advanced settings

Min. setpoint temperature	Preset at +7°C , adjustable from +7°C to +15°C
Max. setpoint temperature	Preset at +30°C , adjustable from +19°C to +30°C
Eco mode temperature lowering level	Preset at -3,5°C , adjustable from -1°C to -8°C
Frost protection temperature	Preset at +7°C , adjustable from +5°C to +15°C
PIN code locking	Initialization - Customization - Activation and deactivation

Installer settings

Occupancy detection (optional)	Enabled by default , can be disabled, adjustable lowering stepwises
Automatic window-opening detection	Enabled by default , can be disabled
Maximum duration of authorised Boost	60 minutes by default , adjustable from 10 to 60 minutes
Max. ambient temperature for the automatic stop of the Boost	Preset at +35°C , adjustable from +20°C to +35°C
Temperature adjustment	Ambient temperature sensor adjustment

Technical specifications

Dimensional and finish specifications

Height	70 mm
Width	161 mm
Depth	32 mm
Color	Blanc
Net weight	0,3 Kg

Power supply

Operating voltage	230V +/-10% 50Hz
Maximum power	1500W, resistive load
Power cord	800 mm, 3 conductors

Control

Control type	Electronic TPI (Time Proportional and Integral) control, triggered by a triac
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Model without occupancy detector

Environment

Protection rating	IP44 after installation under the responsibility of the integrator
Class	Class II, after installation under the responsibility of the integrator
Operating temperature	0°C to +50°C
Temperature setting range	+7°C to +30°C
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	Description
BXATHD2PC	Digital programmable and tiltable controller for electric towel-rails, white, class II with 6-orders pilot wire
BXATHDI2PC	Digital programmable and tiltable controller with occupancy detection for electric towel rail, white, class II with 6-orders pilot wire

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