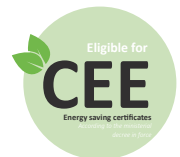
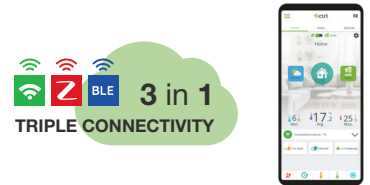
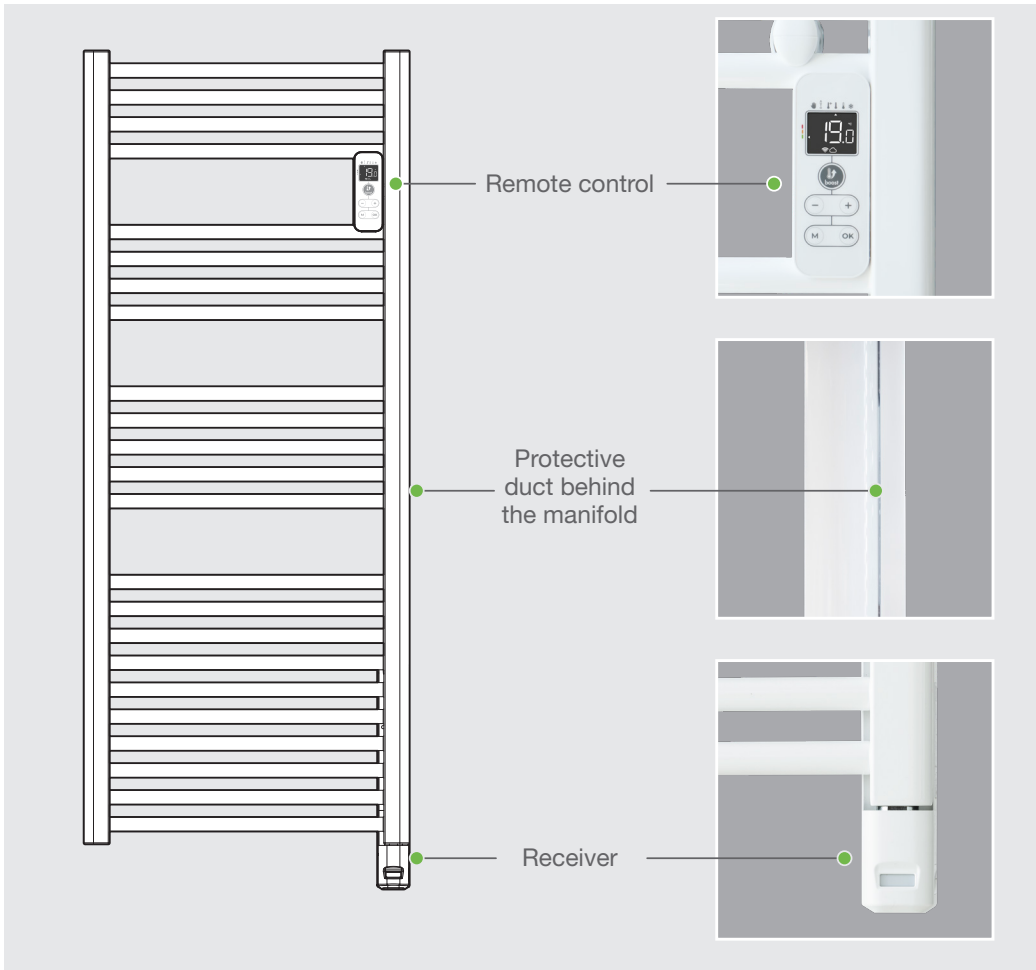




SMART AND CONNECTED CONTROLLER KIT FOR ELECTRIC TOWEL RAILS

LOCAL PAIRING & CONTROL (WITHOUT INTERNET) OR REMOTE CONTROL THANKS TO THE CUSTOMISABLE MOBILE APP
3 PROTOCOLS INSIDE: BLUETOOTH - WIFI - ZIGBEE 3.0, COMPATIBILITY WITH IOT BOXES

Receiver for the lower part, very discreet for an optimised design, Wired remote control (no battery) for the top with digital display, backlit LCD screen with black background and white digits for optimum readability, very thin to preserve space towel
Auto-programmable with self-learning process and dual optimisation feature, occupancy detection, opened window detection, consumption gauge



Overview

Main features

- Ambient temperature control
- Temperature setting
- Power On / Standby
- Operating mode selection
- Quick heating of the bathroom using the instant Boost
- Automatic and self-learning programming, customised programs through the app or can be programmed remotely using the 6-order pilot wire

Application

- Electric towel rails

Benefits

- **Modern and innovative style**, once integrated on the towel rails:
 - The receiver located at the bottom and at the back of the manifold is very small and discreet
 - The integrated remote control fits the heater body perfectly, preserve the towel space, and is very easy to use thanks to its location at a height
- **Multi protocol platform 3 in 1: WiFi, Bluetooth, and Zigbee 3.0:**
 - **Easy local pairing and control via the device's Bluetooth (without Internet)**
 - **Direct connection via the WIFI network, without the need for an intermediary box, directly connected to any Internet operator's box, at no extra cost or subscription....**
 - **Possibility of joining an ecosystem via a home automation IOT BOX using the interoperable Zigbee 3.0 protocol**
- **Can be remotely controlled** by your smartphone, tablet, PC or by voice via Google home or Amazon Alexa thanks to a dedicated and customisable mobile app
- **Bi-directional connectivity** for control, including real-time information and consumption readings
- **Guaranteed upgradability** thanks to remote software updating via OTA technology, to take advantage of improvements
- **"Smart" electronic control:** This means stable and accurate temperature in the room all year round
- **Energy saving package**, comfort, performance, energy savings
- **Auto-programming:** automatic programming by self-learning of the lifestyle thanks to the occupancy detector integrated
- **Automatic changeover** summer/winter time
- **Permanent saving of settings**
- **App, Cloud, Embedded software developed in France**
- **Secure data and cloud**, hosted and managed in France by OVH + AWS in compliance with GDPR

Functional specifications

Use

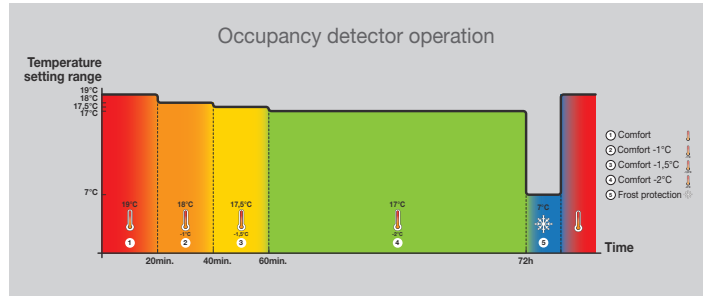


Power On / Standby	A dedicated button allows the device to be heating on or standby
Help for the visually impaired	<ul style="list-style-type: none"> - The button power on/standby mode is in relief to be easily identifiable to the touch - Audible beeps indicating the change from the standby mode to active mode, the connection/disconnection and reset
Pilot lights	Viewing of: <ul style="list-style-type: none"> - Connection/Disconnection to WiFi or Zigbee 3.0 network - Mains and heating indicator, operating status of the heating device
Operating modes	Auto (Programming), Comfort+, Comfort, Eco (Economy), Frost protection, Standby mode
Boost	Adjustable between 5 and 90 minutes in 5 minute intervals, rises the heat of the bathroom and enables quick drying of clothes or wet towels
Programmable holidays mode (only available on the app)	Frost protection for a long scheduled absence
Energy consumption gauge	Automatic indication of the level of energy consumption according to the setting temperature
Power consumption indication in kWh (only available on the app)	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. Manual activation from 5 to 90 minutes by intervals of 5 minutes.
Programming (only available on the app)	<ul style="list-style-type: none"> - 8 different preset programmes profiles for each day of the week: Auto-programming, 1 comfort period, 2 comfort periods, 3 comfort periods, non-stop Comfort mode, non-stop Eco (economy) mode, non-stop Frost protection mode and Comfort + mode. - Programming assistant to help the user step by step. - Each day of the week can be customised (day by day or by group of days).
Manual and temporary override	You can temporarily modify the setting temperature until the next programmed temperature change or when the clock reaches 00:00
Dual optimisation feature (only available on the app)	Depending on different parameters of the room, the controller calculates and optimises the programming of Comfort and Economy periods (Eco) according to the choice of the user; Eco oriented, priority to savings or Comfort oriented, priority to comfort (by default).
3 levels of settings	User, Advanced, Expert
Occupancy detection	During an unoccupied period, the setting temperature is automatically and progressively decreased.
Auto-programming	As soon as the device is switched on and without any initial adjustment, it is in learning mode to understand and memorise the user's lifestyle. The integrated smart algorithm is going to analyse this information in real time in order to optimise and adapt the programming for the coming weeks.



Very intuitive and easy to use wired remote control fixed directly on the rails - with digital controls and backlit display on a black background for better readability.

Permanent temperature setting displayed
Includes essential features for everyday use of the towel rails, advanced features available on the app.



Safety

- **Child anti-tamper:** touch screen locking
- **Setting lock (only available on the app):** prevents accessing Comfort and Comfort+ modes, modifying the setpoint of Eco and Frost protection modes and resetting advanced and expert settings from the remote control
- **Setting safety:**
 - Min. and Max limits of the adjustment range of the Comfort setting temperature
 - Time, date and setting backup in case the mains power supply goes off
- **Internal protection against any overheating:**
 - Overheating protection of the ambient temperature during the Boost mode
 - Integrated dewatering system: in normal use, reduction of the risk of accumulation of water inside the housing (enhanced user safety)

Installation

Compatible with the majority of towel heater heating body with 22mm diameter rails

Receiver and remote control assembly directly on the towel rails

Connection to the heating electric cartridge by faston

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

User settings

Comfort temperature setting	Preset to +19°C , adjustable from +7°C to +30°C by interval of 0,5°C
Comfort + temperature setting	Preset to +21°C , adjustable from Comfort +1°C to +30°C by interval of 0,5°C
Eco temperature setting	Preset to +15,5°C , adjustable from +5°C to +19°C by interval of 0,5°C
Frost protection temperature setting	Preset to +7°C , adjustable from +5°C to +12°C by interval of 0,5°C
Active operating mode	Auto
Active program	Auto-programmation by default (other preset programs available on the app)
Backlighting	L2 by default (setting available on the app)
Luminosity	Preset to 25% (adjustable from 5% to 50% on the app)
Maximum duration of authorised Boost	90 minutes (setting available on the app)
Return to the user factory settings (only available on the app)	

Advanced settings (only available on the dedicated app)

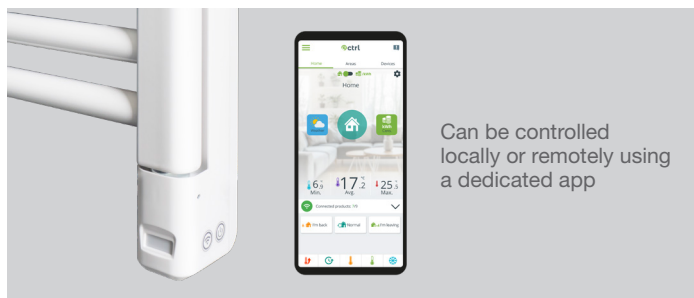
Automatic window-opening detection	Enabled by default , can be disabled
Occupancy detection	Enabled by default , can be disabled
Min. setpoint temperature	Preset at +7°C , adjustable from +7°C to +18°C by interval of 1°C
Max. setpoint temperature	Preset at +30°C , adjustable from +19°C to +30°C by interval of 1°C
Aeration cycle time	30 minutes by default , adjustable from 5 to 90 minutes by 5 minute steps
Dual optimisation feature	Comfort oriented enabled by default , can be disabled or changed by Eco oriented
Settings lock	Disabled by default , can be enabled
Return to the advanced and user factory settings	

Expert settings (only available on the dedicated app)

Temperature adjustment	Smart calibration of the room temperature sensor
Return to the expert, advanced and user factory settings	



Available in 2 finishes: white and anthracite grey



Can be controlled locally or remotely using a dedicated app

Technical specifications

Dimensional and finish specifications

Height	362,5 mm		
Width min.	50 mm		
Depth	71 mm		
Colors	White	Anthracite grey	
Net weight	0,47 kg		

Power supply

Operating voltage	230V +10/-10 % AC 50Hz.
Maximum power	6.5A maximum (300W min to 1500W max)
Power cord	800mm, 3 conductors

Control

Control type Electronic	PID (Proportional Integral Derivative) control, triggered by a realy + triac
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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

RED	2014/53/EU
RoHS	2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

Applicable standards

Safety	EN 60335-1 / EN 60335-2-30 / EN IEC 60335-2-43
RED-EMC	ETSI EN 301489-1 / ETSI EN 301489-17
RED-Radio	ETSI EN 300 328
RoHS	EN IEC 63000:2018
Manufacturing	On certified site ISO 9001 V2015

Product codes

Receiver codes

Receiver codes	Description
ERETHIEA	Connected receiver triple protocol with occupancy detection, white for electric towel rails, class II, with 6-order pilot wire
ERETHIEANA	Connected controller triple protocol with occupancy detection, anthracite grey for electric towel rails, class II, with 6-order pilot wire

Remote control codes

RCTHEREA	White wired remote control
RCTHEREANA	Anthracite grey wired remote control
ACAGOU01WA	White trunking
ACAGOU01GA	Anthracite grey trunking

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