

# Rointe

heating solutions

Brochure & price list for professionals | 2017



WITH  
WI-FI

# COMMITTED TO YOU *and your customers.*

COMPLETE  
HEATING SYSTEM  
**1** UNDER  
SINGLE  
CONTROL

MEETS WITH  
**ALL**  
EFFICIENCY  
REGULATIONS

INSTALLATION  
**PLUG &  
PLAY**

**NO**  
MAINTENANCE\*

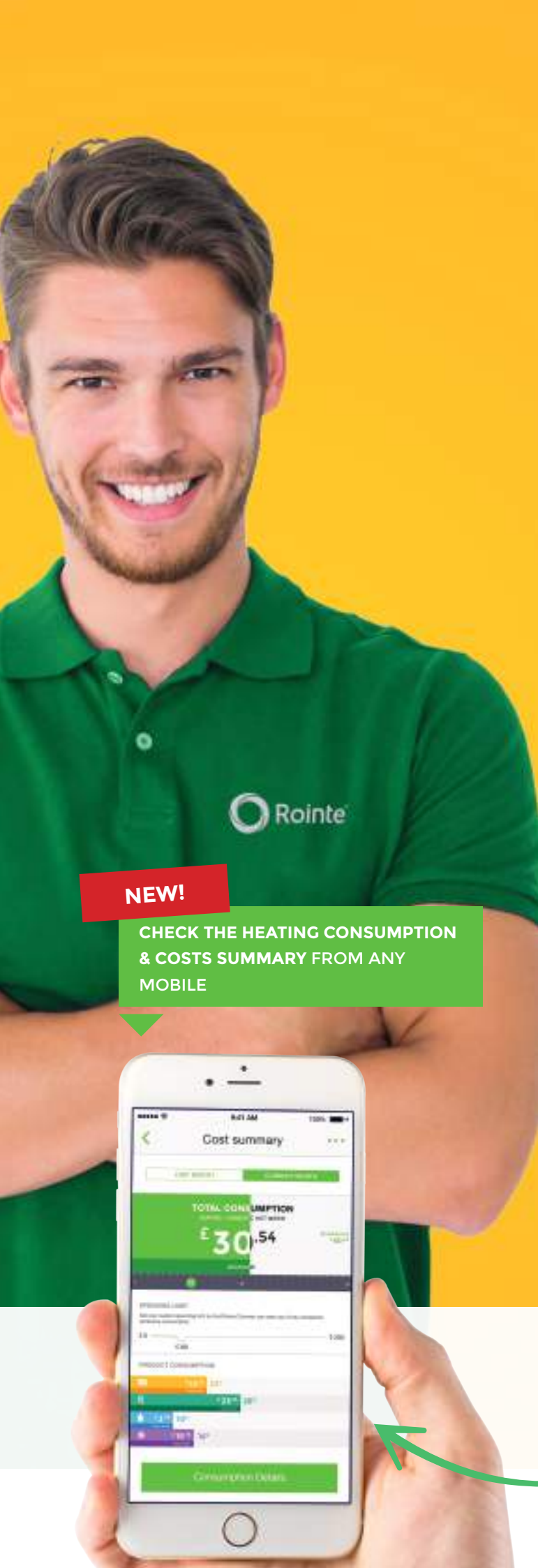
GUARANTEE  
UP TO  
**20** YEARS\*

Rointe, the electric Heating  
Company you can trust.



## ROINTE DIGITAL INTEGRAL SYSTEM

The efficient heating that you can control from any smartphone.



**NEW!**

**CHECK THE HEATING CONSUMPTION & COSTS SUMMARY FROM ANY MOBILE**

# 5

## Rointe commitments

At Rointe, we are committed to you **and your customers.**

In the chaotic world of heating, it is often difficult to recognize which products or systems are really efficient and suitable to provide comfort and well-being to any type of home or business.

There are many brands that promise the highest efficiency and the lowest consumption but when it comes to showing it, they have little evidence.

Therefore, at Rointe we want to show commitment to all our clients and demonstrate the sincerity of our business.

That's why we offer:

- **UNIQUE ELECTRICAL HEATING**  
Radiators, towel rails & water heaters all under a single control (remote control or smartphone application).
- **WE COMPLY WITH ALL REGULATIONS**  
Including the most demanding regulations of the market such as LOT20.
- **PLUG & PLAY INSTALLATION**  
Install, plug & play!
- **NO MAINTENANCE\***  
No breakdowns or costly repairs.
- **MAXIMUM GUARANTEE\***  
Up to 20 years on the aluminium body of the radiators.

And to demonstrate what we say is true, you will be able to **check and control the consumption and the real time expense of your heating** with the CONSUMPTION SUMMARY. **You will even be able to set spending limits**, all from your mobile phone.

\* Check the maintenance & guarantee conditions on page 115.

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## NEW WEBSITE!

Have you seen the **professional area** of our online portal?

Go to

<https://rointe.co.uk/technical-area/>

and discover the new section created especially for heating professionals like you.



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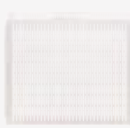
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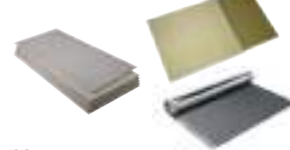
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# Rointe with you.

The European leader in low consumption electric heating and hot water systems (D.H.W) for more than 30 years, Rointe is the result of **philosophy committed to innovation and quality.**

At Rointe, we work to offer our customers a quality product that is technologically advanced and efficient. We are an established brand that improves day by day, guided by the effort to offer the **most innovative, effective, sustainable and intelligent** solutions in the heating market.



## WE MANUFACTURE

**Leading manufacturers** in heating innovation & development.

At Rointe our products are made with the best quality materials, the latest technology and exceed the highest quality standards.

## Tested and certified low consumption

Rointe certifies, through tests carried out in prestigious international independent laboratories, the low consumption that is advertised in its products.

Through different tests, our R+D department has demonstrated that the technologies developed and patented by Rointe, allow the reduction of energy consumption without affecting comfort.



## The best customer service

We put at the service of our customers the best team of professionals to always offer the perfect heating solution, adapted to the needs of each client, whatever their technical requirements.

Contact us with the details of your installation and our technical department will make a detailed study, at no cost, with the integral heating system that is perfect for the home or business of your client.



Rointe is  
**innovative** and  
**efficient** digital  
heating.

## Leaders in innovation and technology

We are committed to innovation as a fundamental pillar of our business growth. For this reason, we have a department exclusively dedicated to R+D, which develops technologies and patents with the aim of improving the efficiency of our products.

This constant research and improvement makes our company a leader in the sector and a pioneer in the launching of innovations and improvements applied to the world of heating.

## International prestige

Rointe is the European leader in the electric heating market. In addition to the United Kingdom, our products are available in countries such as France, Spain, Portugal, Ireland and Greece. The international success of our products allows us to carry out a policy of constant expansion that allows us to be present in other countries like Holland, Finland and Poland.



# Welcome to connected professional heating.



Discover the optimized, adaptive and intelligent comfort that **your pocket will love.**

Learn more at <https://elife.technology>

Rointe is not just another manufacturer of Wi-Fi heating devices. At Rointe, we have created the **INTEGRAL SYSTEM OF CONNECTED HEATING**, a heating system with integral home automation managed by the exclusive remote control platform of E-Life technology.

## SYSTEM OPERATION

Discover how the D Series system works at home:



### D Series radiator

- Wi-Fi & App control
- Low consumption
- Natural heat convection
- Energy saving functions
- Visualization of consumption & costs
- Up to 20 years guarantee



### Underfloor heating & smart touch

- Wi-Fi & App control
- Radiant heat & natural convection
- Advanced programming
- Visualization of consumption & costs
- Up to 10 years guarantee

**EASY INSTALLATION  
WITHOUT GATEWAYS**

**e-life**cloud  
technology



PRODUCT



ROUTER



APPLICATION

The product connects directly to the router without intermediate gateways, offering a higher speed of data transmission between the products and the cloud, eliminating any limitations on the quantity of connected products. Nor do you need any additional configuration on the user's router.

## SYSTEM CONTROL

### MULTIPLATFORM APPLICATION ROINTE CONNECT

The free Rointe Connect App allows complete control of all products in the installation – radiators, towel rails, water heaters and underfloor heating – in a collective or individual manner. The App also allows the possibility to distribute the products by zones (i.e. floors in a house) and subzones (i.e. rooms) without a limit on the number of rooms or linked products.



### SIMPLE PAIRING IN 4 EASY STEPS

Our exclusive pairing system allows you to connect products with the app in just four steps. What if there's a power cut? No problem, the products will reconnect by themselves without having to enter any data again. **See more on page 67.**





## BENEFITS FOR THE END USER



### COST CONTROL

from the first minute

- Display of **actual consumption in kWh** and **cost in £**.
- **Energy saving functions** such as **OPEN WINDOWS** and **USER mode**. [See more on page 17.](#)
- **Smart tips** that help reduce energy bills.



### INTERACTIVE APP

easy to use

- **Free application:** native for iOS and Android, with a web app for other devices.
- **Real-time push notifications:** alerts on the smartphone screen.
- **Adaptable:** responsive interface compatible with smartphones, tablets and computers.



### LIVE CONTROL

from your smartphone, tablet or PC

- **Control your entire installation easily** when and where you want.
- **Distribution of products by areas and sub areas** (i.e. house - floor - room - product).
- **Personalized programming** 24 hours, 7 days a week.
- **Four working modes:** COMFORT, ECO, ANTI-FROST and USER.
- **Remote locking** of all products.
- **Contingency management:** allows you to anticipate changes to your usual routine.
- **Optimization of the heating according to the user's priorities:** comfort and/or saving.



#### D Series towel rails

- Wi-Fi & App control
- Comfortable temperature
- Energy Saving Functions
- Visualization of consumption & costs
- Up to 10 years guarantee



#### D Series water heater

- Wi-Fi & App control
- Low consumption
- Energy saving and anti-legionella functions
- Temperature evolution function
- Visualization of consumption & costs
- 5 year guarantee on the boiler

## SYSTEM CHARACTERISTICS

### LONG DISTANCE WIRELESS CONNECTIVITY

Our Wi-Fi module allows the connection of products at a distance of up to 100 meters without obstacles\*. The products that form the D Series range have a long signal range, are easy to install and have multimedia configuration tutorials on YouTube (Rointe Connect Channel).

### INSTALLATION AND DATA SECURITY

E-Life allows the creation of zones, sub zones and installation of the products in a simple and unlimited way, offering great versatility to the user when configuring their installation. In addition, all data is transmitted in encrypted form and the information is stored on highly secured, available and accessible servers.

\* Data obtained from the Wi-Fi module manufacturer.

# The connected heating ideal for projects.

- Hotels
- Schools
- Offices
- Universities
- Retail stores

Given our long experience in thermal comfort, we offer efficient, easy-to-use, reliable and economical heating systems not only to home users but also to collective users who demand large-scale comfort solutions such as hotels, offices and schools.

**Rointe offers a global heating solution that meets all the heating needs of any business, under a single control.**

Here you can see the operation of the Rointe D Series in a hotel with centralized controls from reception:



#### Towel rails in bathrooms

The D Series towel rails give a touch of comfort to any bathroom, ensuring your towels are always ready.



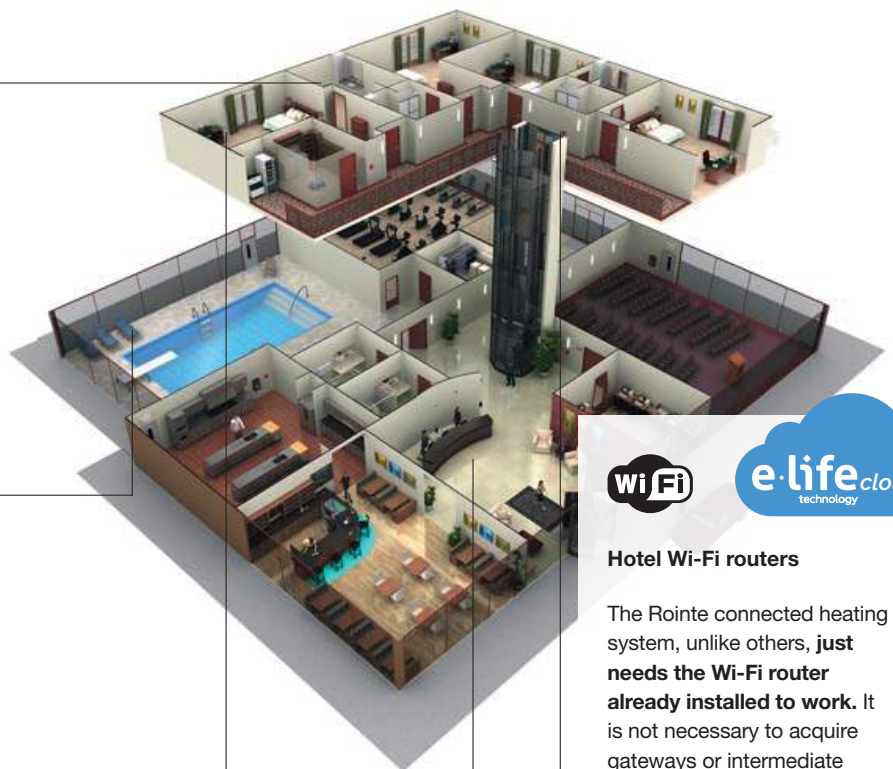
#### Underfloor heating in bathrooms & spas

The underfloor heating with Wi-Fi provides the extra touch that guests expect in bathrooms & wet areas.



#### Radiators in rooms & common areas

The D Series radiators are perfect to provide all rooms, corridors and common areas with the comfort that they need, with guaranteed Wi-Fi control.



Rointe Connect



#### Hotel Wi-Fi routers

The Rointe connected heating system, unlike others, **just needs the Wi-Fi router already installed to work.** It is not necessary to acquire gateways or intermediate terminals, which makes the installation easier and economical.

**Direct Wi-Fi, secure with no disconnections.**

The high power Wi-Fi system installed in our products reaches 100m without obstacles\* and our servers have a reliability of 99.99%.

The system even allows remote locking at any time from the control centre to prevent guests from modifying installed products.



#### BUSINESS MANAGEMENT

From reception, you can easily manage the system. You can even control the overall expenditure on a daily basis and know the actual cost of your heating. This feature allows you to optimize and reduce costs.

€ **REDUCTION OF HEATING**  
costs

- **Display of actual consumption and costs.**
- **Power saving options** with OPEN WINDOWS function.
- **USER mode.** [See more on page 17.](#)

 **APP MULTIPLATFORM**  
mobile control

- **Free application:** native for iOS and Android with a web app for other devices.
- **Real-time push notifications:** alerts on your smartphone screen.
- **Adaptable:** responsive interface compatible with smartphones, tablets and computers.

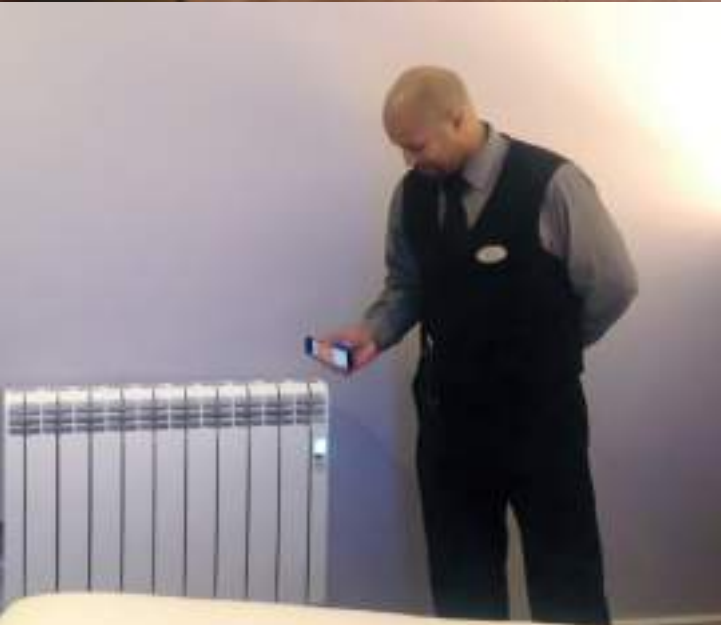
 **LIVE MONITORING**  
from any smartphone, tablet or PC

- **Control** all products **from reception.**
- **Distribution of products by zones and sub areas** (i.e. floor-room-product).
- **Personalized programming** 24 hours, 7 days a week.

**D Series towel rails**

The perfect complement for your bathroom:

- **The wall anchors are close to the side of the body,** which makes it easier to hang towels and clothing.
- The **built in Wi-Fi module** allows **control from reception.**
- **The boost function on the towel rail allows for extra comfort in the bathroom.** This function activates the heating elements at maximum power for 15, 30, 60 or 120 minutes for that added touch.



**CASE STUDY**  
Treacy's Hotel Wexford · Ireland

"The possibility to **control all radiators** in the hotel **from reception is vital**, since we can control the way that they are used at all times."

Rointe D Series has been successfully installed at Treacy's Hotel in Wexford, Ireland. A total of 30 radiators were installed throughout their rooms. In the words of the director and owner of the hotel, Anton Treacy, "It is an efficient, aesthetic and easy to use system. It also offers a very pleasant atmosphere and comfortable heat to our guests."

# The heating system connected to your smartphone.

The Rointe Connect app is the control application for radiators, towel rails and smart water heaters that make up the D Series connected range. **Choose the Rointe connected heating system and have complete control of an entire installation in the palm of your hand.** From this moment on, your smartphone will work as a switchboard remotely connected via Wi-Fi to all the products in your facility for easy control and monitoring consumption.

Architecture of a Rointe D Series installation:

## INTEGRATED MANAGEMENT THROUGH INSTALLATIONS

With the **Rointe Connect app** you can create as many unlimited installations as you need. **You can then control the heating or multiple installations at once**, for example in schools, student residences or even large offices and hotels.

## DISTRIBUTION IN ZONES AND ROOMS

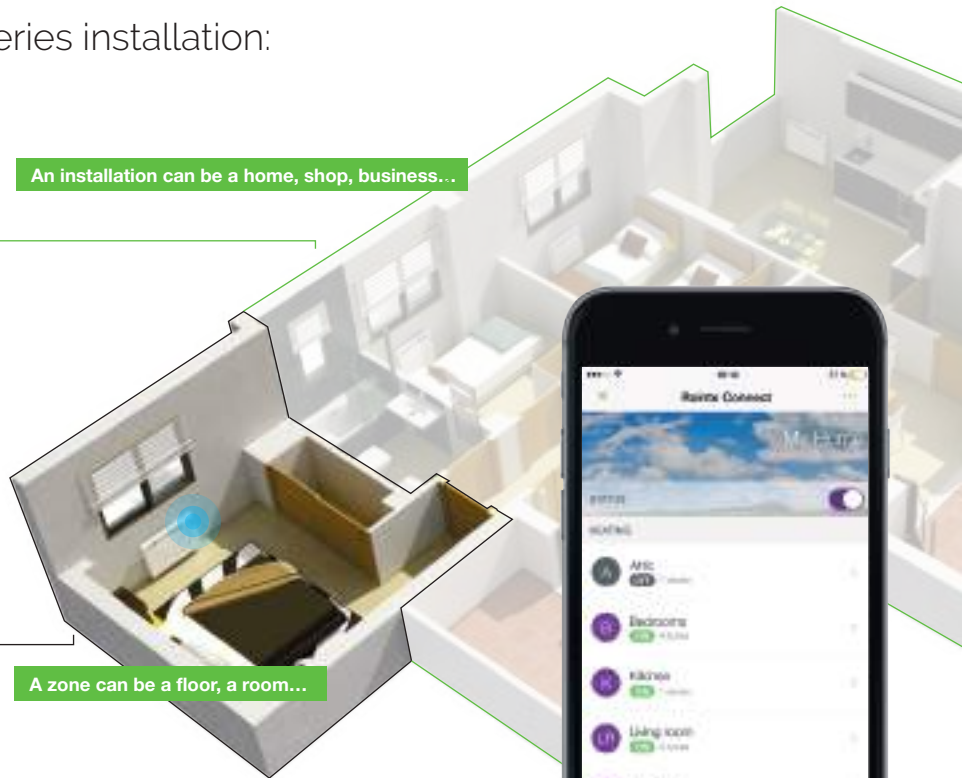
In the same way as with the creation of installations, **zones, subzones and rooms can be created without any limits**, so you can create the structure of the installation to fit your needs.

## MANAGEMENT AND CONTROL OF REMOTE DEVICES

Thanks to our **E-Life technology**, you can **control all D Series radiators, towel rails and water heaters from wherever and whenever you like**, as well as the underfloor heating thermostat, Rointe Smart Touch, all through a single application: **Rointe Connect app.**

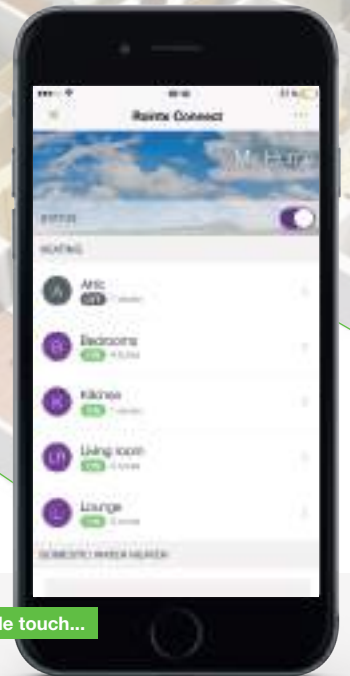


An installation can be a home, shop, business...



A zone can be a floor, a room...

Control with a simple touch...



## FUNCTIONALITY

### ICONS AND IDENTIFYING COLOURS

The interface of the Rointe Connect app informs you about the usage of the system and the functions that are enabled through different icons and colours.

### PROGRAMMING PER INSTALLATION AND PRODUCT

The Rointe Connect app allows you to personalize the programming of the products, zones or subzones 24 hours a day, 7 days a week, using the ECO COMFORT or SLEEP modes or by selecting no programming. It also offers the option of repeating schedules on different days.

### TOTAL CONTROL WITH JUST ONE CLICK

The Rointe Connect app allows you to switch between manual and automatic mode, and ECO and COMFORT mode in the simplest way. It even allows you to turn your entire installation on or off with just one click!

### CLIMATE AND EXTERNAL TEMPERATURE

The Rointe Connect app quickly displays both the outside temperature and weather where your installation is located, as well as the weather conditions at the current location, allowing you to react to different weather scenarios.

Download free from the **App Store (iOS)** and **Google Play (Android)**.

Available for PC, laptop, tablet and smartphone at [www.rointeconnect.com](http://www.rointeconnect.com)



## E-FFFICIENCY

Check the actual consumption and expenditure of the heating in your home or business, **in real time**.

Through E-efficiency you can see in real time from your smartphone, tablet or PC the actual consumption, temperature, expenditure and savings of your connected Rointe D Series heating installation.

At any time and place you can check how much you have spent per day, month or year and how much kW your heating system has consumed.

**This data is backed by tests carried out at the Energy and Environment Technology Centre (CETENMA), who certify a 99.7% of accuracy in the data obtained by the True Real Power, the current meter, consumption and data installed in all D Series products and responsible for sending this information to the application.\***

\* If you wish to know more details, you can request the complete report at [www.rointe.co.uk](http://www.rointe.co.uk).



Summary screen at your fingertips...



## CHARACTERISTICS

### ADVANCED FILTER BY DAY, MONTH AND YEAR

This allows comparison of the information by DAY, MONTH and YEAR, including current as well as previous time frames.

### DATA BY ZONES, ROOMS AND PRODUCTS

This shows consumption, cost, temperature and savings by zones, rooms and even products, allowing a more comprehensive overview of the installation.

### SPENDING LIMIT

This allows a limit of expenditure in the consumption of electricity of the heating products, sending alerts in the case of exceeding it.

### MULTI-RATE MANAGEMENT

To properly adjust to the electricity tariff, Rointe Connect allows you to configure different kWh prices for each hour of the day, being able to adjust to any type of tariff contracted.



## Rointe Connect

# NEW FEATURES

New **AWAY FROM HOME** mode, smart learning, push notifications, advanced weather prediction, voice control and **COST & CONSUMPTION SUMMARY** screen.



### ADVANCED WEATHER FORECAST \*

Advanced weather manager so you can know the weather forecast for several days.



### AWAY FROM HOME MODE \*


The new **outdoor mode** uses the location of your smartphone to **modify the programming and behaviour** of your Rointe products **depending on the distance** you are from home.

It's as easy as selecting whichever phones or tablets you want to use to inform your products when you're at home or away.

#### How does it work?

The AWAY FROM HOME mode allows you to configure different actions for each smartphone associated with the account that controls the installation. You can configure different actions to suit your lifestyle that will change the products based on the distance of your phone away from home and the weather conditions at that time.

The following table shows an example:

User	Distance	Scene	Condition
Phone 1	10 miles	 Work	GOING to work
			RETURN from work

In the example above, a scene called "Work" has been established with two conditions that involve the following two actions:

Condition 1	GOING to work
Action 1	When the connected smartphone is more than 10 miles away from home, the radiators in the living room will change to ECO mode at 18°C.
Condition 2	RETURN from work
Action 2	When the connected smartphone is less than 10 miles away from home, the radiators in the living room will change to COMFORT mode at 21°C.

### SMART LEARNING \*

The **new Rointe self-learning system**, allows the products to learn patterns of use and respond to them by adapting its programming and operation to your lifestyle.

In addition, this functionality allows the Rointe Connect app, with programming data, set temperatures, climatic variations and the use of other functionalities, to help save on consumption by sending notifications, warnings and recommendations direct to your smartphone.

### ON-SCREEN AND REAL TIME NOTIFICATIONS \*

Notifications and alerts on screen to keep you informed about changes and status of your installation.



# NEW COST SUMMARY

The cost and consumption of your heating **at a glance**.

It has never been so easy and quick to see the results of running your D Series products.

Thanks to the new “Cost Summary” option, you can control the expense, savings and efficiency of your Rointe D Series heating products.

The “Cost Summary” screen also allows you to view this data by product type, for example radiators, towel rails, water heaters or even our new underfloor heating.

## VOICE CONTROL \*

Rointe converts the D Series connected range into the first low power electric heating system capable of being controlled by Amazon’s Alexa voice control.

Control with your voice, in the comfort of your home with Amazon Echo and Alexa.

### Voice commands

The compatibility between Rointe Connect and Amazon Alexa allows you to control your heating through voice commands, thus controlling all of your installation, zones and products.

With the Alexa voice assistant, there is no need to approach the radiator, towel rail or water heater and the Rointe Connect app is not needed to make any changes to them. Just mention one of the established orders and Alexa will perform the action on the indicated D Series product.

Example	Voice Command
The children’s room is very hot.	“Alexa, lower the temperature of the children’s room by 3 degrees.”
The living room is cold and you have guests at home.	“Alexa, set COMFORT mode in the living room.”

Amazon Echo and Alexa are owned by Amazon EU Srl. Check availability and conditions for your country at [www.amazon.com](http://www.amazon.com)



\* Subject to availability and release date.



# Fuzzy Logic Energy Control

takes energy optimization to the next level.

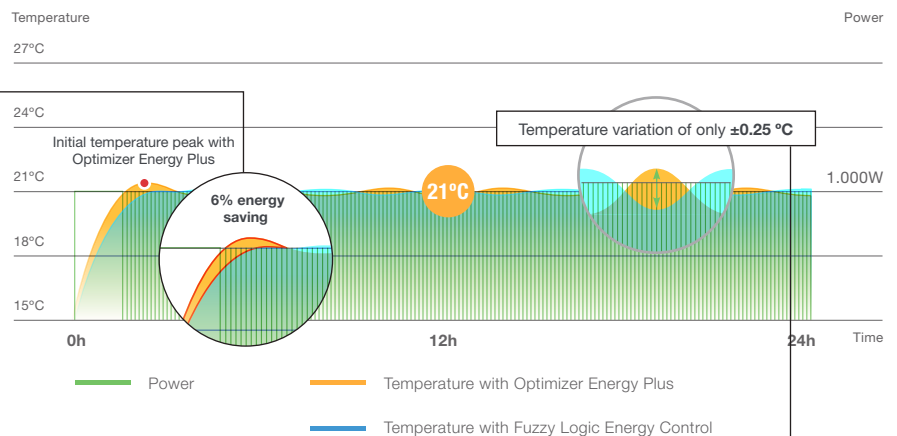
Fuzzy Logic Energy Control is the new low-power technology developed exclusively by Rointe's R+D+I department.

**This technology improves the energy management required to maintain a stable temperature, analyzing its variations with an accuracy of  $\pm 0.25^\circ\text{C}$  and sending micro electrons to the heating element that, together with the thermal fluid and the high purity aluminium, transfer the heat to the atmosphere in the most efficient way.**

The two main benefits of using Fuzzy Logic Energy Control are:

## ENERGY OPTIMIZATION

Fuzzy Logic Energy Control predicts the amount of energy needed at each moment to reach the set temperature. This technology proportionally reduces the energy demand needed to reach the desired temperature, smoothing this initial curve by lowering the peak temperature.



THIS ALLOWS AN EQUIVALENT COEFFICIENT OF CONSUMPTION OF

**38%**

## TEMPERATURE STABILIZATION

Once the room has reached the temperature set in the radiator (in this case,  $21^\circ\text{C}$ ), the Fuzzy Logic Energy Control technology generates micro cuts in the energy consumption of the heating element to maintain the temperature stable with a thermal variation in the stationary period of only  $\pm 0.25^\circ\text{C}$ .

## EQUIVALENT RATIO OF CONSUMPTION



### WHAT IS IT?

The equivalent coefficient of consumption is a parameter defined by Rointe that is used to calculate the effective power (or average power of use) of our radiators & water heaters based on their nominal power.

### HOW IS IT OBTAINED?

In a test carried out in an independent laboratory (BSRIA), a 1,430 W radiator was tested with Optimizer Energy Plus - the first energy optimization technology patented by Rointe.

These tests concluded that to maintain the room at  $21^\circ\text{C}$  with a variation of only  $\pm 0.25^\circ\text{C}$  during a period of 24h, a Rointe radiator needed on average only 572 W, or 40% of its nominal power. **This percentage is what we define as the coefficient of consumption.**

### IMPROVING EFFICIENCY WITH FUZZY LOGIC ENERGY CONTROL

To further optimize product consumption, our R+D+I department improved the Optimizer Energy Plus algorithm, giving way to the new Fuzzy Logic Energy Control.

This improvement was tested by a comparative test carried out in the climatic chamber by the Technological Centre of Energy and the Environment between two radiators under the same conditions, one with Optimizer Energy Plus and another with Fuzzy Logic Energy Control. This latest technology showed that it was able to save 6% of energy and **reduce the equivalent coefficient of consumption to 38%.**

$$\text{NOMINAL POWER} \times \text{EQUIVALENT CONSUMPTION RATIO} = \text{EFFECTIVE POWER}$$



# ENERGY SAVING FUNCTIONS

Rointe helps you save money.

At Rointe we incorporate in our products special energy saving functions so that our radiators, water heaters and towel rails can optimize energy and save you money.

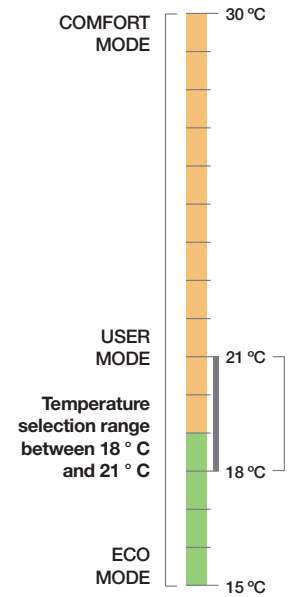


## USER MODE

This new function allows you to set a limited range with a minimum and maximum temperature customized for ECO and COMFORT modes.

For example, setting 21°C for the COMFORT mode and 18°C for the ECO mode, the user can only move between the temperatures included within this range.

This is a very useful function in hotels or student residences, since **it restricts the selectable temperatures, avoiding energy waste and guaranteeing the correct use of heating.**



## OPEN WINDOWS FUNCTION

Through an advanced algorithm, Rointe radiators anticipate the scenarios which decreases the temperature of a room, for example an open window. When this happens, the heater automatically sets a temperature of 7°C for efficient use and prevents excessive consumption.

## ANTI-FROST MODE

This allows you to activate the anti-frost mode at any given time without programming to avoid freezing of the product in extremely cold climates.

## BALANCE MODE

This mode, in the KYROS and D Series radiators, sets a temperature of 19°C by activating manual mode on the product and deactivating any automatic programming entered.

## CUSTOMIZATION OF ECO & COMFORT MODES

This function allows you to set the desired temperature for any of the working modes quickly and easily.

## KEYPAD LOCK

From the Rointe Connect app, the AIR Control infrared remote control and even from the control panel of the products themselves, you can lock any radiator, towel rail or water heater preventing changes from being made. This is very useful for installation with children and even in hotels, nursing homes or any facility where you want to avoid additional handling of the products.

## PILOT WIRE \*

The KYROS and D Series are compatible with the use of a pilot wire controlled thermostat. Once connected, this control panel will operate the COMFORT, ECO and USER modes.

\* Available only upon demand.

# Conscientious with our world today **and tomorrow.**



## Clean and respectful heating.

We can proudly affirm that at Rointe we develop digital electric heating and products with low consumption that are clean, ecological, safe, reliable and mindful of the environment that surrounds us.

Our products comply with the most demanding manufacturing standards (RoHS) and all existing European safety and quality standards.

Our own Quality Control department and those of external companies, certify the maximum safety, reliability and efficiency of our products.

Having thousands of customers from around the world means also having the responsibility of **creating solutions that take into account the environment, savings and security of people.**

Our heating systems use electricity as the only source to generate heat. This safe and efficient energy **is considered the energy of the future that will displace the use of fossil fuels.**

Our systems are environmentally friendly because:



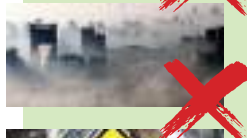
**They do not require boilers** or combustion tanks, supply pipes or polluted smoke evacuation chimneys.



**They do not need to carry out combustion** to generate heat and well-being. In addition, they do not emit any type of noise.



**They do not require solid, liquid or gaseous polluting fuels**, so it is not necessary to store them for use.



**They do not emit polluting gases like CO<sub>2</sub> or carbon monoxide** or other gases resulting from the burning of fossil fuels during use.



**We do not use heavy metals or pollutants** such as cadmium or lead, and our heating fluids are biodegradable.



# How do the requirements of an **ECOLOGICAL DESIGN** affect the heating sector?

Energy-related products account for a large proportion of the planet's consumption of natural resource and energy, resulting in a high environmental impact.

To reduce the environmental footprint that this sector produces, the directive 2009/125/EC establishes the eco-design requirements for products related to the use of energy.

This directive is developed in particular for heating products, by the regulation 2015/1188, which establishes a classification **system for heating products under the parameters established in these regulations.**

## Which products does this regulation apply to?

This standard applies to all household heating products with a heat capacity of less than or equal to 50kW that are commercialised as of January 1<sup>st</sup> 2018.

This regulation implies that it applies to all heating products using liquid or gaseous fuels, such as **boilers, accumulators, panel heaters, ceramic heaters, infrared heating, latest generation fluid radiators etc.**



## Why is it necessary to regulate this type of product?

This regulation aims to organize a market in which information is often blurred, confusing and hidden by government legality. The ecological design of heating products improves the energy efficiency under standard criteria and regulated by regulation common to all European countries.

## What advantages does using a Rointe radiator with the best rating in ECO-DESIGN have?

The 2015/1188 regulation requires that the products reach a minimum value called the Seasonal Energy Efficiency Coefficient. This coefficient is obtained starting from an initial value defined in the regulation, to which values are added or subtracted given by factors that increase or decrease the result, depending on the benefits offered. All electric radiators have the same value: 30%. What differentiates the most efficient products from the least efficient is the highest or lowest score obtained in the sum.



**The minimum value to be achieved by an electric radiator heating system is 38%. The Rointe radiators obtain a seasonal energy efficiency coefficient of 40%, higher than the minimum required by the LOT20 standard.**

Therefore, the latest generation of thermal fluid Rointe radiators are the most efficient solution for heating homes, far exceeding the minimum established in the legislation and providing quality products without any surprises in the consumption at the end of the month.

# Rointe Integral Heating System

ELECTRICAL HEATING SOLUTIONS



Radiators  
Towel rails  
Water heaters

LOW CONSUMPTION





# Rointe Integral Digital System

INTEGRATED ELECTRICAL HEATING SOLUTIONS

## The right choice.

Rointe helps you choose the correct integrated heating system for your client.

Not all clients are the same and not all look for the same thing when it comes to installing or changing their heating system. Rointe offers a wide range of products with different characteristics, functionalities and controls.

## Do you need help to **measure an installation?**

Go to

<https://rointe.co.uk/calculate-your-needs/>

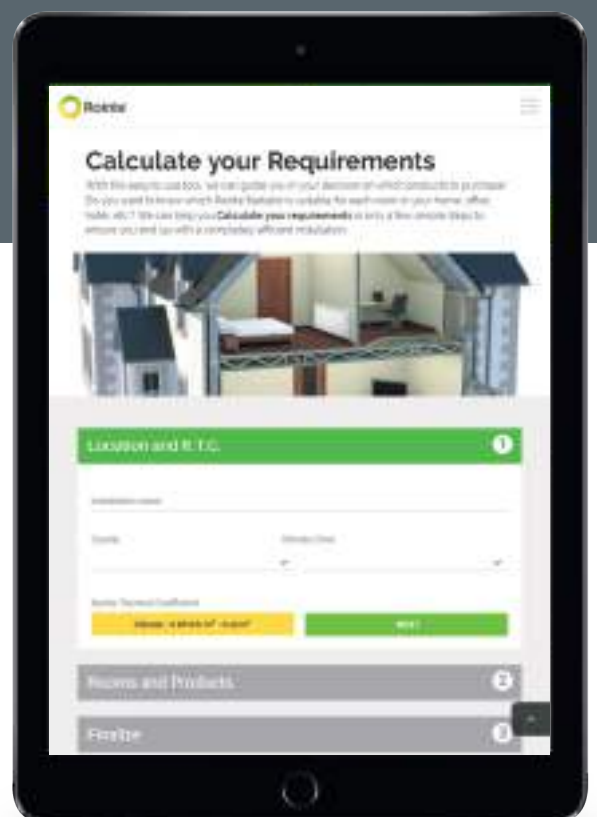
and discover the new Rointe online calculator.

Rointe helps you **choose the correct integrated heating system** for your client.

Many times when our installers visit a client they are asked the same question: "Can you tell me how many radiators I need for my house and which model is the best?"

Rointe has created an online calculator to resolve situations like this and help guide the client to calculate their requirements. This allows you to carry out a quick estimated technical study in seconds, which helps to show the client their approximate kWh needs and the number of radiators they require.

Remember, these calculations are an estimate and you **shouldn't carry out an installation without a Rointe Official Technical Study** which is done by professionals in our Project Department.





D Series · Premium range ★★★★★			KYROS · Top range ★★★★★☆		
RADIATORS	TOWEL RAILS	WATER HEATERS	RADIATORS	TOWEL RAILS	WATER HEATERS

## Design

Colours & finishes available	○ White RAL 9016 ● Graphite ○ RAL Colours	○ White RAL 9016 ● Chrome ● Graphite ○ RAL Colours	○ White RAL 9016	○ White RAL 9010	○ White RAL 9016 ● Chrome	○ White RAL 9016
Format	Regular	Curved with flat bars	Square (50-100L) & cylindrical (150 & 200 L)	Regular & conservatory	Straight with flat bars	Square (50-100L) & cylindrical (150 & 200 L)
Distribution	Odd (3 to 15 elements)	4 models (300, 450, 600 & 750 W)	5 models (50, 75, 100, 150 & 200 L)	Regular - Odd (3 to 15 elements) Conservatory - Odd (11 to 15 elements)	4 models (300, 500, 750 & 1,000 W)	5 models (50, 75, 100, 150 & 200 L)

## Comfort

Heat dissipation	Natural convection	Radiation	-	Natural convection	Radiation	-
Body material	Aluminium	Steel	Enamelled metal	Aluminium	Steel	Enamelled metal
Control panel material	Aluminium	Fireproof PC/ABS plastic	Fireproof PC/ABS plastic	Fireproof PC/ABS plastic	Fireproof PC/ABS plastic	Fireproof PC/ABS plastic

## Technology

Low consumption technology		-			-	
Control panel	Touch keypad	Touch keypad	Touch keypad	Mechanical keypad	Mechanical keypad	Touch keypad
True Real Power - smart data consumption meter				-	-	-

## Control and connectivity

Menu control						
Infrared remote control						
E-Life technology - automated platform				-	-	-
Wi-Fi remote control				-	-	-
E-efficiency: costs & consumption control				-	-	-
Rointe Connect app/ remote control	<ul style="list-style-type: none"> <li>• Rointe Connect app</li> <li>• Air Control White remote</li> <li>• Air Control Soft Touch Black remote</li> </ul>			<ul style="list-style-type: none"> <li>• Air Control White remote</li> <li>• Air Control Soft Touch Black remote</li> <li>• Basic Control remote</li> </ul>		

## Efficiency

User Mode & 24/7 programming						
USER Mode						
Open windows function						
Trade price (T.P.) from	£ 352	£ 423	£ 693	£ 276	£ 277	£ 630

# Radiators

ROINTE





# Comfort solutions in heating

LOW CONSUMPTION RADIATORS



## DESIGN

Low consumption radiators with front vent.



D Series  
3 to 15 elements



D Series - Graphite  
3 to 15 elements



KYROS  
3 to 15 elements



## STYLE

Two heights to adapt to all types of installations.



Regular  
580 mm



Conservatory  
420 mm

Available only in the  
KYROS range



## FINISHES

Unique colours and textures for all tastes.



White  
RAL 9010



White  
RAL 9016



Graphite  
Forge effect



Colour it!  
RAL Colour range

KYROS radiators

D Series radiators

# Rointe radiators,

## the perfect solution.

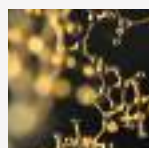
Rointe radiators are designed to offer maximum comfort to those clients who install them in their home or business. The careful choice of its components allows us to generate the perfect balance between efficiency and well-being. This balance is achieved by combining the highest quality materials with the most advanced technology on the market. Making Rointe radiators the ideal product to heat any space.

### COMFORT



#### ALUMINIUM

With a thermal conductivity of 209W/(m\*k) it is the metal with the **best price/conductivity ratio** on the market. This feature and the design developed with interior fins favour the circulation of air through the radiator cavities.



#### THERMAL FLUID

The fluid used in the radiators is an exclusive high heat transfer mineral oil. Its high thermal stability combined with the usual working temperatures of the product means **no risk of corrosion while maintaining the thermal conductivity.**



#### HEATING ELEMENT WITH 110W PER ELEMENT

The heat generating element is an electrical steel resistor that transforms the electrical energy into heat efficiently and evenly. This permits the extension of its working life, since the **balance between power and element makes sure that the inner thread does not suffer thermal stress.**

#### AMBIENT TEMPERATURE STABILITY

Due to the use of heat transfer by natural air convection, the air is introduced into the product at the bottom part of the radiator and raises its temperature by passing through the interior of the element, which allows **the temperature of the room to be constant with a small derivation of  $\pm 0.25$  °C.**



The natural convection reaches up to 5 meters away and 2.7 meters in height.



### DESIGN

#### SCREEN WITH COLOUR CHANGE

The Rointe D Series radiators incorporate a TFT screen of 160x128 pixels, which allows personalization and colour change on the screen.



*Our D Series radiators are the only ones in the market that include this option, allowing you to combine colours of the screen with the décor in each home. For larger projects, there is even the possibility of personalizing the welcome screen with the customer's logo.*

## EFFICIENCY

### ECODESIGN 20/20/20

Rointe radiators meet the efficiency requirements of LOT20.

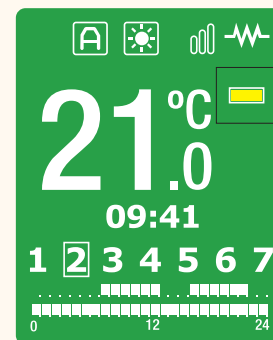
[See more on page 19.](#)

### SMART LEARNING

An algorithm is installed in the electronics that stores parameters which the radiator registers during its use to learn the habits of the client. [See more on page 14.](#)

### PREPROGRAMMING

These products have four different pre-installed programs adapted to all types of users.



### EFFICIENCY INDICATOR

Rointe radiators incorporate an option to verify the efficient use of the product. Depending on the consumption, the product will change the colour of its screen: green if the product is optimal, yellow if it exceeds normal consumption limits and red if the product is working well above the estimated consumption for this product.

In addition, an indicator has been included in the upper right corner of the main screen that indicates the consumption of the product according to the set temperature.

*According to the Energy Saving Trust, reducing one degree of heating can produce annual savings of up to £90.*

*With this indicator, Rointe alerts the client and helps to make more efficient use of the heating, which can increase energy savings.*



## ENERGY SAVING FEATURES

### THE ENERGY SMART HEATING

Independent laboratories have demonstrated that Rointe radiators, under normal conditions, only consume 38% of their nominal power. This indicates that if we size our radiators properly with respect to the m<sup>2</sup> and the climatic zone of our house or business, the expected consumption will be reflected accordingly.

[Learn more about correct sizing on page 68.](#)

### REAL CONSUMPTION METER

Our radiators incorporate a real consumption meter that allows you to know, from the product itself or from the control application, the energy consumption of the products and translate it into pounds.

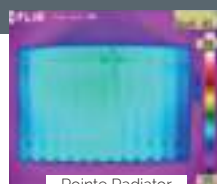
### USER MODE

This mode sets an operating temperature that is password locked. Thus, in public buildings such as hotels the owner ensures that users cannot change the set temperature.

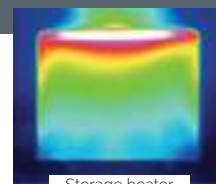
### OPEN WINDOWS FUNCTION

This function permits the radiator to disconnect if it detects a 4°C decrease in the temperature over a 30 minute time period. Thus avoiding the waste of energy in case a window is left open.

## SECURITY



Rointe Radiator



Storage heater



Other radiators

### 20 YEARS GUARANTEE CERTIFIED

The radiators have a 20 year guarantee on the aluminium body and a 3 year guarantee on the electronics, and they comply with all regulations for heating products nationally and internationally.

### SURGE PROTECTION

The electronics have surge protection systems to protect against unexpected voltage spikes.

### SURFACE TEMPERATURE 43°C

Due to the balance between heating element, fluid and aluminium, the surface temperature of our product, once it reaches the steady working rate, does not exceed 43°C, which is distributed evenly throughout the radiator surface.

**In other products, temperature gradients occur between different parts of the product causing a variability in the surface temperature with the consequent risk of burns.**



## D Series

LOW CONSUMPTION  
DIGITAL CONNECTED  
RADIATOR



### AVAILABLE FINISHES

- White RAL 9016
- Graphite
- RAL Colours

## CHARACTERISTICS

### LOW CONSUMPTION



The **Fuzzy Logic Energy Control** technology allows a highly efficient use of the energy and stabilizes the temperature within a variation of only  $\pm 0.25$  °C.



### INTEGRATED CONNECTIVITY

**Integrated Wi-Fi and home automation technology** via the E-Life technology platform.



### CONTROL OF CONSUMPTION AND COSTS

“True Real Power” consumption meter which allows you to obtain **statistics of the real energy consumption and costs.**



### Rointe D Series system

- 100% aluminium body and closures** designed exclusively for Rointe under the strictest parameters.
- Special heat transfer fluid** which is exclusive to Rointe with a high calorific inertia and excellent heat transfer.
- Each element has 110W** which ensures the maximum comfort with the most balanced consumption.



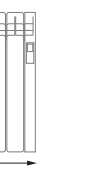
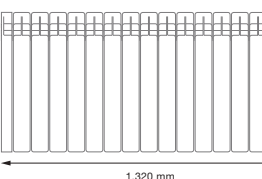
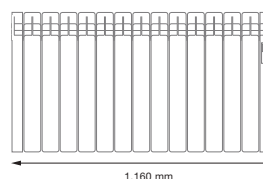
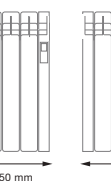
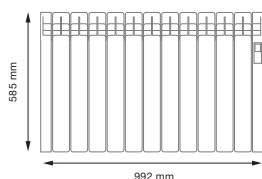
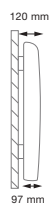
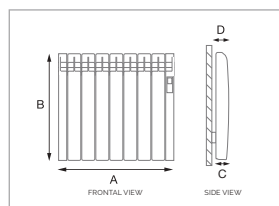
### Electronics & functionality

- 2 circuit boards with SMD technology**, lithium battery and Triac.
- 1.77" TFT display** with the background colour user adjustable via the app.
- Highly sensitive touch control panel.**
  - **Open Windows** energy saving function.
  - **New USER mode:** lets you **restrict the range of temperatures available in the ECO and COMFORT modes.**

**More on page 17.**



## Dimensions



MODELS	WHITE	DIW0330RAD	DIW0550RAD	DIW0770RAD	DIW0990RAD	DIW1210RAD	DIW1430RAD	DIW1600RAD
	GRAPHITE	DIB0330RAD	DIB0550RAD	DIB0770RAD	DIB0990RAD	DIB1210RAD	DIB1430RAD	DIB1600RAD
	RAL COLOUR	DIR0330RAD	DIR0550RAD	DIR0770RAD	DIR0990RAD	DIR1210RAD	DIR1430RAD	DIR1600RAD
N° of elements		3	5	7	9	11	13	15
<b>DIMENSIONS</b>								
A (mm) - Width		350	510	675	835	992	1,160	1,320
B (mm) - Height		585	585	585	585	585	585	585
C (mm) - Depth		97	97	97	97	97	97	97
D (mm) - Installed depth		120	120	120	120	120	120	120
<b>MECHANICAL CHARACTERISTICS</b>								
Armoured steel heating element		●	●	●	●	●	●	●
High purity aluminium		●	●	●	●	●	●	●
Thermal oil		●	●	●	●	●	●	●
Control panel with touch keyboard		●	●	●	●	●	●	●
Weight (Kg)		7.7	12.2	16.4	20.4	24.1	25.9	32.1
Weight with packaging (Kg)		8.8	13.3	17.5	21.5	25.2	27.0	33.2
Finishes		White RAL 9016 / Graphite forge effect / RAL Colour						
<b>ELECTRICAL CHARACTERISTICS</b>								
Nominal power (W)		330	550	770	990	1,210	1,430	1,600
Effective power (W)*		125	209	293	376	460	543	608
Voltage (V)		230 V ~	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~
Current (A)		1.5	2.4	3.4	4.3	5.3	6.2	7.0
<b>FUNCTIONALITY</b>								
TFT screen (1.77")		●	●	●	●	●	●	●
Eco / Comfort / Anti-frost Modes		●	●	●	●	●	●	●
New User mode		●	●	●	●	●	●	●
Manual / Automatic function		●	●	●	●	●	●	●
Personalizable screen colour		●	●	●	●	●	●	●
Open windows function		●	●	●	●	●	●	●
Programmable 24/7 using keypad, Rointe Connect App or AIR Control		●	●	●	●	●	●	●
<b>PERFORMANCE AND SECURITY</b>								
Fuzzy Logic Energy Control		●	●	●	●	●	●	●
E-life Technology & Wi-Fi Inside		●	●	●	●	●	●	●
True Real Power & ULP32 microcontroller		●	●	●	●	●	●	●
Wireless communication		WiFi / Two-way infrared						
Temperature stability (°C)		±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25
Air velocity (m/s)		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Power per element (W/element)		110	110	110	110	110	110	110
Safety thermostat		●	●	●	●	●	●	●
Average surface temp. during steady period (°C)**		43 °C	43 °C	43 °C	43 °C	43 °C	43 °C	43 °C
Protection grade		IP24C	IP24C	IP24C	IP24C	IP24C	IP24C	IP24C
<b>INSTALLATION</b>								
Template & Installation kit		●	●	●	●	●	●	●
<b>CERTIFICATIONS</b>								
2004/108/CE Electromagnetic Comp.		●	●	●	●	●	●	●
2006/95/CE Electronic Security		●	●	●	●	●	●	●
EAN CODE	WHITE	8436045913708	8436045913715	8436045913722	8436045913739	8436045913746	8436045913753	8436045913760
	GRAPHITE	8436045913777	8436045913784	8436045913791	8436045913807	8436045913814	8436045913821	8436045913838
	RAL COLOUR	8436045916235 -xxxX***	8436045916242 -xxxX***	8436045916259 -xxxX***	8436045916266 -xxxX***	8436045916273 -xxxX***	8436045916280 -xxxX***	8436045916297 -xxxX***
T.P.	WHITE	£ 352	£ 446	£ 558	£ 637	£ 707	£ 783	£ 874
	GRAPHITE	£ 373	£ 473	£ 591	£ 675	£ 750	£ 830	£ 926
	RAL COLOUR	£ 433	£ 573	£ 731	£ 855	£ 970	£ 1,090	£ 1,226

\* The effective power of the KYROS and D Series radiators is only 38%. This value has been obtained in tests performed by independent technology centres in a climatic chamber, by comparing two Rointe radiators, under the same parameters: one with Fuzzy Logic Energy Control and another with Optimizer Energy Plus (the first technology patented by our company that allowed to obtain a power 40% of the nominal power of the products in which it was installed). In this comparison, we observed a consumption difference of 6.3%, which reduces the effective power obtained with the previous technology Optimizer Energy Plus, allowing us to deduce that the use of the new technology Fuzzy Logic Energy Control reduces the effective power of the radiators up to 38%. \*\* Average surface temperature obtained with the radiator temperature set at 21 °C. \*\*\* The last 4 digits of the EAN code correspond to the numerical code of the desired RAL finish. Letter and RAL codes available on page 113.



INFRARED

# KYROS

LOW CONSUMPTION  
DIGITAL RADIATOR

#### AVAILABLE FINISHES

● White RAL 9010

## CHARACTERISTICS

### LOW CONSUMPTION

The **Fuzzy Logic Energy Control** technology allows a highly efficient use of the energy and stabilizes the temperature within a variation of only  $\pm 0.25$  °C.



### NEW INTERACTIVE MENUS

**Improved interaction** with the product thanks to the new interactive menus.



### READY TO USE PRE-INSTALLED PROGRAMS

Includes 4 different pre-installed programs. [See more on page 62.](#)



## Rointe KYROS System

- 1 100% aluminium body designed with fluid dynamics.** Flame-proof polycarbonate closures PC/ABS.
- 2 Special heat transfer fluid** exclusive to Rointe with a high calorific inertia and excellent heat transfer.
- 3 Each element has 110W** which assures the maximum comfort with the most balanced consumption.

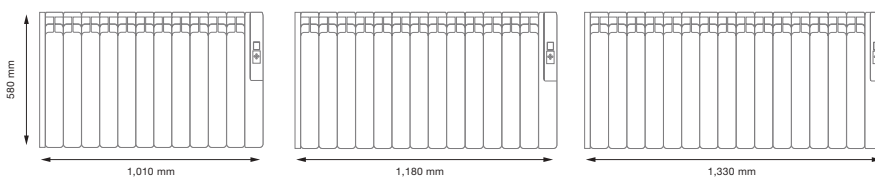
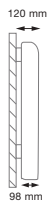
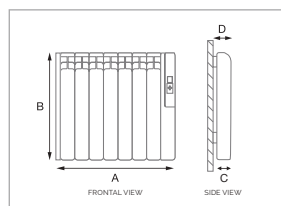
## Electronics & functionality

- 1 circuit with SMD technology,** lithium battery and Triac.
- 1.77" TFT Screen.**
- Mechanical control panel.**
  - **Open Windows** energy saving function.
  - **New USER Mode:** lets you **restrict the range of temperatures available in the ECO and COMFORT** modes by establishing personalized upper and lower limits. [More on page 17.](#)





## Dimensions



MODELS	KRI0330RAD3	KRI0550RAD3	KRI0770RAD3	KRI0990RAD3	KRI1210RAD3	KRI1430RAD3	KRI1600RAD3
N° of elements	3	5	7	9	11	13	15
<b>DIMENSIONS</b>							
A (mm) - Width	350	520	680	840	1,010	1,180	1,330
B (mm) - Height	580	580	580	580	580	580	580
C (mm) - Depth	98	98	98	98	98	98	98
D (mm) - Installed depth	120	120	120	120	120	120	120
<b>MECHANICAL CHARACTERISTICS</b>							
Armoured steel heating element	●	●	●	●	●	●	●
High purity aluminium	●	●	●	●	●	●	●
Thermal oil	●	●	●	●	●	●	●
PC/ABS panel with keypad	●	●	●	●	●	●	●
Both sides cover PC/ABS	●	●	●	●	●	●	●
Weight (Kg)	7.7	12.2	16.4	20.4	24.1	25.9	32.1
Weight with packaging (Kg)	8.8	13.3	17.5	21.5	25.2	27.0	33.2
Finish	White RAL 9010						
<b>ELECTRICAL CHARACTERISTICS</b>							
Nominal power (W)	330	550	770	990	1,210	1,430	1,600
<b>Effective power (W)*</b>	<b>125</b>	<b>209</b>	<b>293</b>	<b>376</b>	<b>460</b>	<b>543</b>	<b>608</b>
Voltage (V)	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	1.5	2.4	3.4	4.3	5.3	6.2	7.0
<b>FUNCTIONALITY</b>							
TFT screen (1.77")	●	●	●	●	●	●	●
Manual / Automatic function	●	●	●	●	●	●	●
Eco / Comfort mode / Anti-frost	●	●	●	●	●	●	●
Pre-installed programming	●	●	●	●	●	●	●
Access Menus	●	●	●	●	●	●	●
New User mode	●	●	●	●	●	●	●
Open windows function	●	●	●	●	●	●	●
Screen brightness control	●	●	●	●	●	●	●
Nominal and effective power	●	●	●	●	●	●	●
Programmable 24/7 using keyboard, AIR Control or BASIC Control	●	●	●	●	●	●	●
<b>PERFORMANCE AND SECURITY</b>							
Fuzzy Logic Energy Control	●	●	●	●	●	●	●
Rointe ULP8 Microcontroller	●	●	●	●	●	●	●
Wireless communications	Two-way infrared						
Temperature stability (°C)	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25	±0.25
Air velocity (m/s)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Power per element (W/element)	110	110	110	110	110	110	110
Safety thermostat	●	●	●	●	●	●	●
Average surface temp. during the steady period (°C)**	43 °C	43 °C	43 °C	43 °C	43 °C	43 °C	43 °C
Protection grade	IP21	IP21	IP21	IP21	IP21	IP21	IP21
<b>INSTALLATION</b>							
Template & Installation kit	●	●	●	●	●	●	●
<b>CERTIFICATIONS</b>							
2004/108/CE Electromagnetic Compatibility	●	●	●	●	●	●	●
2006/95/CE Electronic Security	●	●	●	●	●	●	●
<b>EAN CODE</b>	<b>8436045917256</b>	<b>8436045917263</b>	<b>8436045917270</b>	<b>8436045917287</b>	<b>8436045917294</b>	<b>8436045917300</b>	<b>8436045917317</b>
<b>T.P.</b>	<b>£ 276</b>	<b>£ 350</b>	<b>£ 438</b>	<b>£ 500</b>	<b>£ 555</b>	<b>£ 614</b>	<b>£ 685</b>

\* The effective power of the KYROS and D Series radiators is only 38%. This value has been obtained in tests performed by independent technology centres in a climatic chamber, by comparing two Rointe radiators, under the same parameters; one with Fuzzy Logic Energy Control and another with Optimizer Energy Plus (the first technology patented by our company that allowed to obtain a power 40% of the nominal power of the products in which it was installed). In this comparison, we observed a consumption difference of 6.3%, which reduces the effective power obtained with the previous technology Optimizer Energy Plus, allowing us to deduce that the use of the new technology Fuzzy Logic Energy Control reduces the effective power of the radiators up to 38%. \*\* Average surface temperature obtained with the radiator temperature set at 21 °C.



INFRARED

# KYROS

conservatory

LOW CONSUMPTION  
RADIATOR DESIGNED FOR  
UNDER WINDOWS

#### AVAILABLE FINISHES

● White RAL 9010



## CHARACTERISTICS

### LOW CONSUMPTION



The **Fuzzy Logic Energy Control** technology allows a highly efficient use of the energy and stabilizes the temperature within a variation of only  $\pm 0.25$  °C.



### NEW INTERACTIVE MENUS

**Improved interaction** with the product thanks to the new interactive menus.



### READY TO USE PRE-INSTALLED PROGRAMS

Includes 4 different pre-installed programs. [See more on page 62.](#)

## Rointe KYROS System

- 1 100% aluminium body designed with fluid dynamics.** Flame-proof polycarbonate closures PC/ABS.
- 2 Special heat transfer fluid** exclusive to Rointe with a high calorific inertia and excellent heat transfer.
- 3 Each element has 100W** which assures the maximum comfort with the most balanced consumption.

## Electronics & functionality

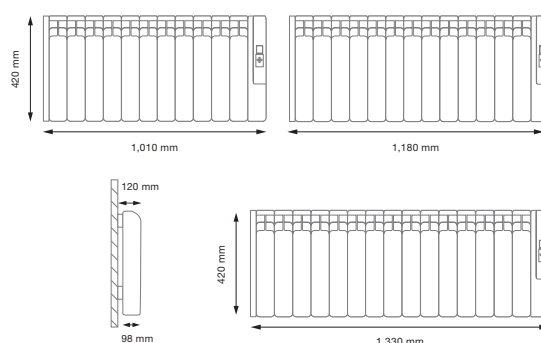
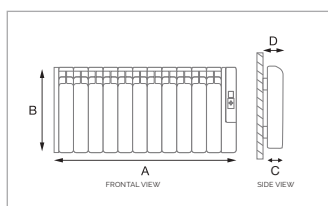
- 1 circuit with SMD technology,** lithium battery and Triac.
- 1.77" TFT Screen.**
- Mechanical control panel.**
  - **Open Windows** energy saving function.
  - **New USER Mode:** lets you **restrict the range of temperatures available in the ECO and COMFORT** modes by establishing personalized upper and lower limits. [More on page 17.](#)







## Dimensions



MODELS	KRI1100RADC3	KRI1300RADC3	KRI1500RADC3
N° of elements	11	13	15
<b>DIMENSIONS</b>			
A (mm) - Width	1,010	1,180	1,330
B (mm) - Height	420	420	420
C (mm) - Depth	98	98	98
D (mm) - Installed depth	120	120	120
<b>MECHANICAL CHARACTERISTICS</b>			
Armoured steel heating element	●	●	●
High purity aluminium	●	●	●
Thermal oil	●	●	●
PC/ABS panel with keypad	●	●	●
Both sides cover PC/ABS	●	●	●
Weight (Kg)	24.1	25.9	32.1
Weight with packaging (Kg)	25.2	27.0	33.2
Finish	White RAL 9010		
<b>ELECTRICAL CHARACTERISTICS</b>			
Nominal power (W)	1,100	1,300	1,500
Voltage (V)	230 V ~	230 V ~	230 V ~
Current (A)	5.3	6.2	7.0
<b>FUNCTIONALITY</b>			
TFT screen (1.77")	●	●	●
Manual / Automatic function	●	●	●
Eco / Comfort mode / Anti-frost	●	●	●
Pre-installed programming	●	●	●
Access Menus	●	●	●
New User mode	●	●	●
Open windows function	●	●	●
Screen brightness control	●	●	●
Nominal and effective power	●	●	●
Programmable 24/7 using keyboard, AIR Control or BASIC Control	●	●	●
<b>PERFORMANCE AND SECURITY</b>			
Fuzzy Logic Energy Control	●	●	●
Rointe ULP8 Microcontroller	●	●	●
Wireless communications	Two-way infrared		
Temperature stability (°C)	±0.25	±0.25	±0.25
Air velocity (m/s)	< 0.1	< 0.1	< 0.1
Power per element (W/element)	100	100	100
Safety thermostat	●	●	●
Average surface temp. during the steady period (°C)**	43 °C	43 °C	43 °C
Protection grade	IP21	IP21	IP21
<b>INSTALLATION</b>			
Template & Installation kit	●	●	●
<b>CERTIFICATIONS</b>			
2004/108/CE Electromagnetic Compatibility	●	●	●
2006/95/CE Electronic Security	●	●	●
<b>EAN CODE</b>	<b>8436045915894</b>	<b>8436045915900</b>	<b>8436045915917</b>
<b>T.P.</b>	<b>£ 514</b>	<b>£ 568</b>	<b>£ 634</b>

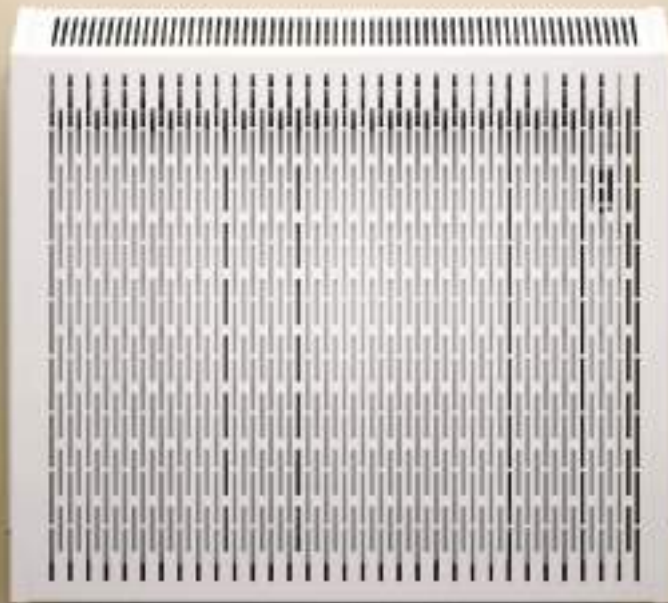
\* Average surface temperature obtained with the radiator temperature set to 21°C.



Accessories

## PROTECTIVE GRILLS

LOW CONSUMPTION  
DIGITAL RADIATOR



### AVAILABLE FINISHES

- White RAL 9010
- Graphite

This protection system has been designed exclusively for the Rointe digital electric radiators. With these grills no-one can come into contact with the surface of the radiators and it also eliminates the risk of any strange objects being introduced into the radiators. Their installation is recommended in areas such as nurseries, schools, homes for the elderly etc.

### CASE STUDY

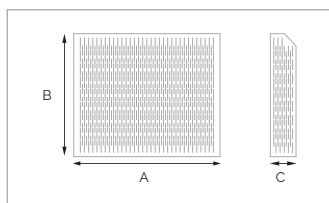
#### ST. COLUMBA'S RESIDENCE

The Rointe radiator protection grills have been successfully installed in St. Columba's Scottish nursing home to protect residents from possible incidents.

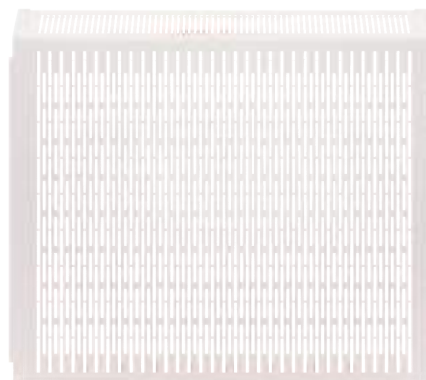




## Dimensions



**\*The installation of the protection grill prevents access to the control panel.**  
To have full control of your radiator with protective grill use any of the remote controls.



## D SERIES

### Protective grill for D Series radiators

MODELS	WHITE	RDW0550	RDW0770	RDW0990	RDW1210	RDW1430	RDW1600
	GRAPHITE	RDB0550	RDB0770	RDB0990	RDB1210	RDB1430	RDB1600
Compatible with		DIW0550RAD DIW0330RAD	DIW0770RAD	DIW0990RAD	DIW1210RAD	DIW1430RAD	DIW1600RAD
		DIB0550RAD DIB0330RAD	DIB0770RAD	DIB0990RAD	DIB1210RAD	DIB1430RAD	DIB1600RAD
<b>DIMENSIONS</b>							
A (mm) - Width		600	760	920	1,090	1,260	1,410
B (mm) - Height		660	660	660	660	660	660
C (mm) - Depth		150	150	150	150	150	150
<b>MECHANICAL CHARACTERISTICS</b>							
Weight (Kg)		8.1	9	10.6	11.8	13.1	14.4
Finishes		White RAL 9010 / Graphite forge effect					
EAN CODE	WHITE	8436045915993	8436045916006	8436045916013	8436045916020	8436045916037	8436045916044
	GRAPHITE	8436045916068	8436045916075	8436045916082	8436045916099	8436045916105	8436045916112
T.P.	WHITE	£ 97	£ 107	£ 118	£ 131	£ 143	£ 145
	GRAPHITE	£ 103	£ 113	£ 125	£ 139	£ 152	£ 154

## KYROS

### Protective grill for KYROS radiators

MODELS	RKY0550	RKY0770	RKY0990	RKY1210	RKY1430	RKY1600
Compatible with	KRI0550RAD3 KRI0330RAD3	KRI0770RAD3	KRI0990RAD3	KRI1210RAD3	KRI1430RAD3	KRI1600RAD3
<b>DIMENSIONS</b>						
A (mm) - Width	600	760	920	1,090	1,260	1,410
B (mm) - Height	660	660	660	660	660	660
C (mm) - Depth	150	150	150	150	150	150
<b>MECHANICAL CHARACTERISTICS</b>						
Weight (Kg)	8.1	9	10.6	11.8	13.1	14.4
Finish	White RAL 9010					
EAN CODE	8436045914392	8436045914408	8436045914415	8436045914422	8436045914439	8436045914446
T.P.	£ 89	£ 97	£ 107	£ 119	£ 131	£ 133

## KYROS CONSERVATORY

### Protective grill for KYROS Conservatory radiators

MODELS	RKY1100	RKY1300	RKY1500
Compatible with	KRI1100RADC3	KRI1300RADC3	KRI1500RADC3
<b>DIMENSIONS</b>			
A (mm) - Width	1,090	1,260	1,410
B (mm) - Height	500	500	500
C (mm) - Depth	150	150	150
<b>MECHANICAL CHARACTERISTICS</b>			
Weight (Kg)	10.8	12.1	13.4
Finish	White RAL 9010		
EAN CODE	8436045914453	8436045914460	8436045914477
T.P.	£ 110	£ 120	£ 130

# Towel rails

ROINTE



# Comfort solutions for bathrooms

DIGITAL TOWEL RAIL RANGES



## DESIGN

Slightly curved or straight digital electric towel rails with flat or tubular slats.



D Series  
300, 450, 600 &  
750 W



KYROS  
300, 500, 750 &  
1.000 W



## FINISHES

Unique colours and textures for all tastes.



White  
RAL 9016



Chrome  
polished



Graphite  
Forge effect



Colour it!  
RAL Colour range

KYROS towel rails

D Series towel rails

# Rointe towel rails

your versatile solution for all types of bathrooms.

Rointe presents the largest towel rail range on the market, with different wattages and finishes, allowing the installation of the most suitable product for your bathroom, providing a touch of elegance and the best comfort.

In addition, the towel rail hangers make it easy for your towels to always be warm when you step out of the shower.



## DESIGN

### ELEGANCE AND STYLE

Rointe towel rails are made of 1.5mm thick steel and are designed exclusively with elegant and harmonic lines, which gives them a high degree of distinction compared to other standard towel rails on the market.

It is designed so that its installation does not break the aesthetics of the bathroom while providing the luxury of having the towels always warm.

### CUSTOMIZABLE BACKGROUND COLOUR

The electronics that the Rointe towel rails contain allows us to adapt the colour of the screen to the style of the bathroom and to modify it as and when needed.

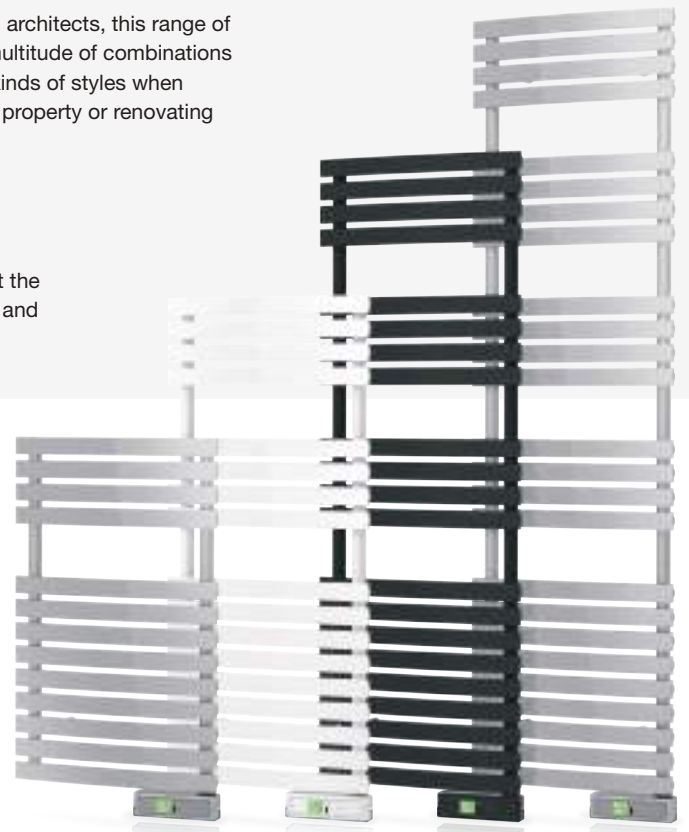
### WIDE RANGES FINISHES

Rointe presents three different finishes for its towel rails: white RAL 9016, chrome and graphite forge effect, which allows the client to pick the finish that they want and fits with the style of the bathroom where it will be installed.

For designers and architects, this range of finishes offers a multitude of combinations that fit in with all kinds of styles when developing a new property or renovating an old one.

### DIFFERENT HEIGHTS

The Rointe towel rail range is the widest in the market, with the towel rail height ranging from 800 mm to 1,800 mm. This allows us to adequately calculate the dimensions of the product needed as per the space available in the bathroom.



### COMPATIBLE ACCESSORIES

Rointe also offers towel racks and hangers that help to increase the drying capacity of the towel rails.

The towel racks provide extra space to hang up to 3 more towels, making it ideal for larger families where the towel rail may become crowded.

The towel hangers are the perfect choice when the client wants to hang their bathrobe, leaving the bars of the towel rail free.

# COMFORT

## SAVINGS FUNCTION

As in our range of radiators, Rointe towel rails incorporate the OPEN WINDOWS feature that allows the product to disconnect itself if it detects a 4°C drop in the room temperature within 30 minutes.

## BOOST FUNCTION

This function allows the towel rail to operate in a continuous mode for 15 minutes, 30 minutes, 1 hour or 2 hours, providing constant heat without any regards for the thermostat reading.



## INTERACTIVE MENUS

Rointe towel rails incorporate an interactive keypad so the user can access all functions and programme the product easily.



## EASY INSTALLATION WITH TEMPLATE & SUPPORT WALL BRACKETS INCLUDED

All Rointe towel rails and radiators incorporate a mounting template to make the installation of the product as easy as possible.

In addition, the brackets, screws and wall plugs are included so that the installer does not have to worry about anything and can produce a perfect installation, key for the correct operation of the product.

## UNIFORM SURFACE TEMPERATURE

The electrical heating elements used in the Rointe towel rails have a longer length, which provides a uniform heat and even drying of towels.



# SECURITY

## CLASS II

Class II

Rointe towel rails are classified as a Class II product, which means that they have double insulation in all of their components and therefore do not require grounding.

*Providing the maximum security to the user is the fundamental pillar in the manufacturing of our towel rails.*

## FIREPROOF PLASTIC

The Rointe towel rail control panel is made of fire-retardant polycarbonate and with additives that prevent colour degradation.



## IP44

All Rointe towel rails have a protection grade of IP44 meaning that they are protected against dust particles smaller than 1mm and against water splash.

## BIODEGRADABLE THERMAL FLUID

The interior thermal fluid of the Rointe towel rails are specifically formulated to provide the maximum heat transfer in a product with circular conductivity, where the viscosity of the liquid is key to turbulent flow and hence a higher heat transfer.

## 10 YEAR GUARANTEE



The towel rails have a 10 year guarantee on the body of the unit and a 2 year guarantee on the electronic components and comply with all national and international regulations for heating products.

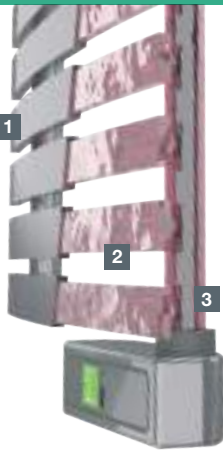
#### AVAILABLE FINISHES

- White RAL 9016
- Graphite
- RAL Colours\*
- Chrome



## D Series

DIGITAL CONNECTED  
TOWEL RAILS



### Rointe D Series system

- ST12 steel body** with a slightly curved design.
- Special heat transfer fluid** which is exclusive to Rointe and with a high calorific inertia and excellent heat transfer.
- Armoured steel heating element** duly thermally compensated.



### Electronics & functionality

- 2 circuits with SMD technology** and lithium battery.
- 1.77" TFT display** with the background colour user-adjustable via the app.
- Highly sensitive** touch control panel.
  - **Open Windows** energy saving function.
  - **Boost Function:** Constant heat for 15, 30, 60 or 120 minutes.
  - **New USER Mode.** [More on page 17.](#)

## CHARACTERISTICS



### THERMAL COMFORT

Enjoy the well-being and comfort in your bathroom with towels that are always dry thanks to our towel rails.



### INTEGRATED AUTOMATION TECHNOLOGY

**Wi-Fi and automated control** via E-Life technology platform.



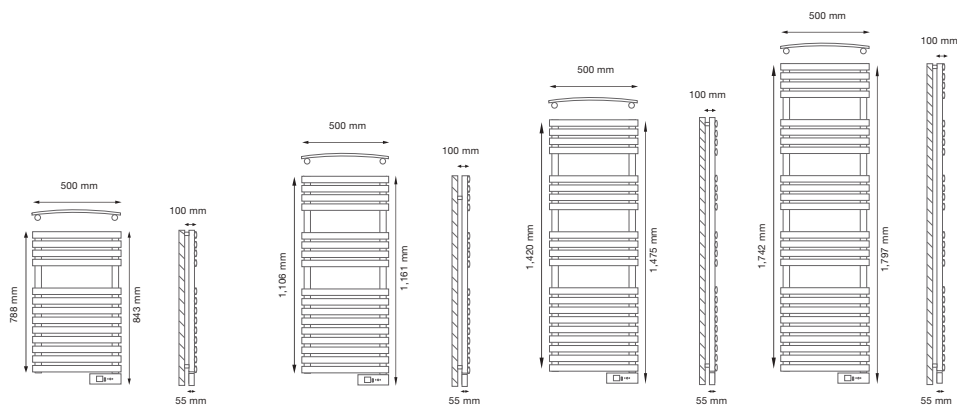
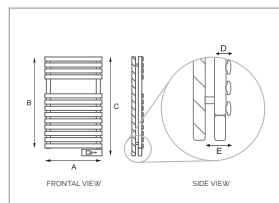
### COSTS AND CONSUMPTION CONTROL

"True Real Power" consumption meter which allows you to obtain **statistics of the real energy consumption and costs.**





## Dimensions



MODELS	WHITE	DTI030SEW	DTI045SEW	DTI060SEW	DTI075SEW
	GRAPHITE	DTI030SEB	DTI045SEB	DTI060SEB	DTI075SEB
	RAL COLOUR	DTI030SER	DTI045SER	DTI060SER	DTI075SER
	CHROME	DTI030SEC	DTI045SEC	DTI060SEC	DTI075SEC
<b>DIMENSIONS</b>					
A (mm) - Width		500	500	500	500
B (mm) - Height without control panel		788	1,106	1,420	1,742
C (mm) - Height with control panel		843	1,161	1,475	1,797
D (mm) - Depth		55	55	55	55
E (mm) - Installed depth		100	100	100	100
<b>MECHANICAL CHARACTERISTICS</b>					
Armoured steel heating element		●	●	●	●
Thermal fluid		●	●	●	●
PC/ABS control panel with touch keyboard		●	●	●	●
Weight (Kg)		13	17	21	25
Finishes		White RAL 9016 / Graphite Forge Effect / RAL colour / Chrome			
Design		Slightly Curved			
<b>ELECTRICAL CHARACTERISTICS</b>					
Nominal power (W)	White / Graphite / RAL	300	450	600	750
	Chrome	300	300	450	600
Voltage (V)		230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	White / Graphite / RAL	1.30	1.96	2.61	3.26
	Chrome	1.30	1.30	1.96	2.61
Class II heating element		●	●	●	●
<b>FUNCTIONS</b>					
TFT screen (1.77")		●	●	●	●
Manual / Automatic function		●	●	●	●
Eco / Comfort / Anti-frost modes		●	●	●	●
New User mode		●	●	●	●
Open windows function		●	●	●	●
Screen brightness control		●	●	●	●
2 hr boost function		●	●	●	●
Programmable 24/7 using touch pad, Rointe Connect App or AIR Control remote		●	●	●	●
<b>PERFORMANCE AND SECURITY</b>					
E-life Technology & Wi-Fi Inside		●	●	●	●
True Real Power & Rointe ULP32 Microcontroller		●	●	●	●
Wireless communication		WiFi / Two-way infrared			
Fire proof cabling		●	●	●	●
Safety thermostat		●	●	●	●
Protection grade		IP 44	IP 44	IP 44	IP 44
<b>INSTALLATION</b>					
Template		●	●	●	●
Installation kit		●	●	●	●
<b>CERTIFICATIONS</b>					
2004/108/CE Electromagnetic compatibility		●	●	●	●
2006/95/CE Electronic security		●	●	●	●
EAN CODE	WHITE	8436045913920	8436045913937	8436045913944	8436045913951
	GRAPHITE	8436045913883	8436045913890	8436045913906	8436045913913
	RAL COLOUR	8436045916303-xxxx**	8436045916310-xxxx**	8436045916327-xxxx**	8436045916334-xxxx**
	CHROME	8436045913845	8436045913852	8436045913869	8436045913876
T.P.	WHITE	£ 423	£ 476	£ 519	£ 576
	GRAPHITE	£ 493	£ 616	£ 690	£ 759
	RAL COLOUR	£ 599	£ 720	£ 802	£ 863
	CHROME	£ 535	£ 686	£ 796	£ 921

\* The last 4 digits of the EAN code corresponds to the desired RAL colour code. Colour chart available on page 113. For any question about the RAL colour finishes please contact us.

NEW  
DESIGN

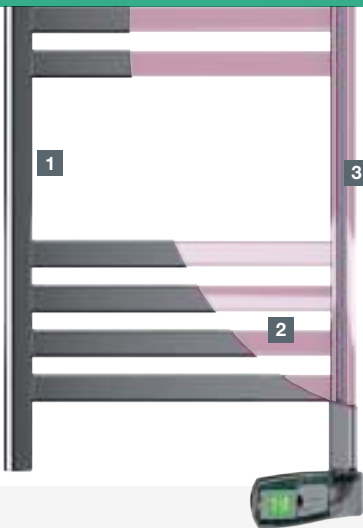
AVAILABLE FINISHES

● White RAL 9016

● Chrome

# KYROS

DIGITAL  
TOWEL RAILS



## Rointe KYROS system

- 1 ST12 steel body** with a straight flat bars design.
- 2 Special heat transfer fluid** which is exclusive to Rointe and with a high calorific inertia and excellent heat transfer.
- 3 Armoured steel heating element** duly thermally compensated.

## CHARACTERISTICS



### THERMAL COMFORT

Enjoy the well-being and comfort in your bathroom with towels that are always dry thanks to our towel rails.



### NEW INTERACTIVE MENUS

**Improved interaction** with the product thanks to the new interactive menus.



### READY TO USE PRE-INSTALLED PROGRAMS

It includes **4 different pre-installed programs**. [See more on page 62.](#)

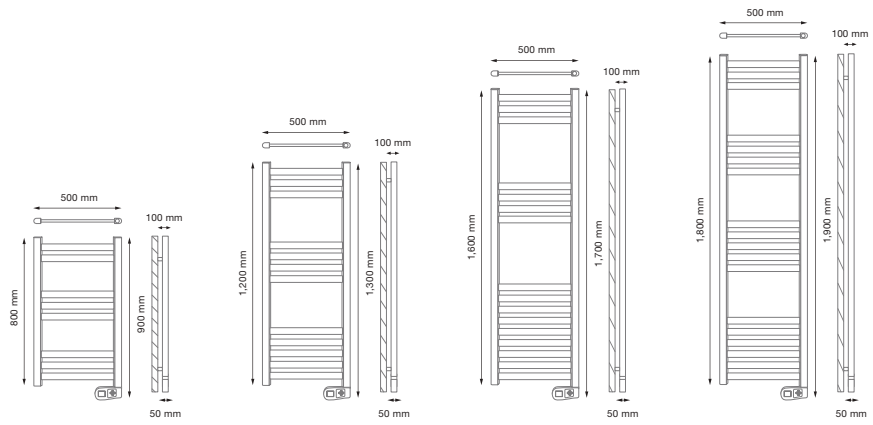
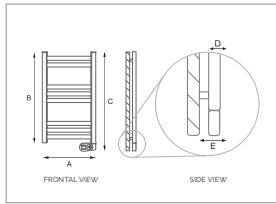
## Electronics & functionality

- 4 1 circuit with SMD technology** and lithium battery.
- 5 1.77" TFT display.**
- 6 Mechanical control panel.**
  - **Open Windows** energy saving function.
  - **Boost Function:** Constant heat for 15, 30, 60 or 120 minutes.
  - **New USER Mode.** [More on page 17.](#)





## Dimensions



MODELS	WHITE	KT1030SEB3	KT1050SEB3	KT1075SEB3	KT1100SEB3
	CHROME	KT1030SEC3	KT1050SEC3	KT1075SEC3	KT1100SEC3
<b>DIMENSIONS</b>					
A (mm) - Width		500	500	500	500
B (mm) - Height without control panel		800	1,200	1,600	1,800
C (mm) - Height with control panel		900	1,300	1,700	1,900
D (mm) - Depth		50	50	50	50
E (mm) - Installed depth		100	100	100	100
<b>MECHANICAL CHARACTERISTICS</b>					
Armoured steel heating element		●	●	●	●
Thermal fluid		●	●	●	●
PC/ABS control panel with keypad		●	●	●	●
Weight (Kg)		11	15	22	28
Finishes	White	RAL 9016			
	Chrome	Chrome			
Design		Straight			
<b>ELECTRICAL CHARACTERISTICS</b>					
Nominal power (W)	White	300	500	750	1,000
	Chrome	300	300	500	750
Voltage (V)		230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	White	1.3	2.2	3.3	4.4
	Chrome	1.3	1.3	2.2	3.3
Class II		●	●	●	●
<b>FUNCTIONS</b>					
TFT screen (1.77")		●	●	●	●
Manual / Automatic function		●	●	●	●
Eco / Comfort mode / Anti-frost		●	●	●	●
Pre-installed programming		●	●	●	●
Access Menus		●	●	●	●
New User mode		●	●	●	●
Open windows function		●	●	●	●
Screen brightness control		●	●	●	●
2 hr boost function		●	●	●	●
Programmable 24/7 using keyboard, AIR Control or BASIC Control		●	●	●	●
<b>PERFORMANCE AND SECURITY</b>					
Rointe ULP8 Microcontroller		●	●	●	●
Wireless communications		Two-way infrared			
Fire proof cabling		●	●	●	●
Safety thermostat		●	●	●	●
Protection grade		IP 44	IP 44	IP 44	IP 44
<b>INSTALLATION</b>					
Template & installation kit		●	●	●	●
<b>CERTIFICATIONS</b>					
2004/108/CE Electromagnetic compatibility		●	●	●	●
2006/95/CE Electronic security		●	●	●	●
EAN CODE	WHITE	8436045917379	8436045917386	8436045917393	8436045917409
	CHROME	8436045917331	8436045917348	8436045917355	8436045917362
T.P.	WHITE	£ 277	£ 353	£ 399	£ 440
	CHROME	£ 442	£ 569	£ 710	£ 764



Accessories

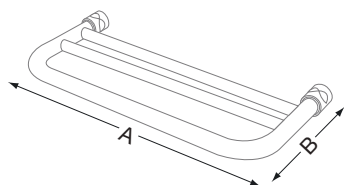
# RACK FOR TOWEL RAILS

DIGITAL TOWEL RAILS

## RACK

This accessory lets you place more towels on the towel rail (without exceeding the maximum supported weight of 2 Kg).

Furthermore the space between the wet towels on the rack and the towel rail allows an evaporation of water thanks to the natural air convection helping the towel dry quicker.



### AVAILABLE FINISHES

- White RAL 9016
- Graphite forge effect
- Chrome



MODEL	Compatible with KYROS towel rails		Compatible with D Series towel rails	
	WHITE	RSRW001	RSRW002	RSRW002
	CHROME	RSRC001		RSRC002
	GRAPHITE	X		RSRB002
<b>DIMENSIONS</b>				
A (mm) - Width		410		410
B (mm) - Depth		150		150
Inner tube diameter (mm)		16		16
Outer tube diameter (mm)		22		22
<b>CHARACTERISTICS</b>				
Material		Steel		Steel
Finishes	White	RAL 9016		RAL 9016
	Chrome	Chrome		Chrome
	Graphite	X		Graphite forge effect
Max. supported weight (Kg)		2		2
EAN CODE	WHITE	8436045916983		8436045917041
	CHROME	8436045916990		8436045917065
	GRAPHITE	X		8436045917058
T.P.	WHITE	£ 60		£ 60
	CHROME	£ 65		£ 65
	GRAPHITE	X		£ 65



## HANGERS

This accessory lets you hang more towels or bathrobes on the towel rail (without exceeding the maximum supported weight of 1 Kg).

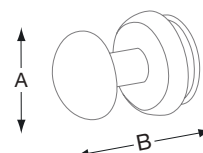
Accessories

# HANGERS FOR TOWEL RAILS

DIGITAL  
TOWEL RAILS

### AVAILABLE FINISHES

- White RAL 9016
- Graphite forge effect
- Chrome



MODEL	FINISH	Compatible with KYROS towel rails	Compatible with D Series towel rails
		WHITE CHROME GRAPHITE	RSHW001 RSHC001 X RSHB002
<b>DIMENSIONS</b>			
A (mm) - Width		35	35
B (mm) - Depth		70	70
<b>CHARACTERISTICS</b>			
Material		Steel	Steel
Finishes	White	RAL 9016	RAL 9016
	Chrome	Chrome	Chrome
	Graphite	X	Graphite forge effect
Max. supported weight (Kg)		1	1
EAN CODE	WHITE	8436045917010	8436045917089
	CHROME	8436045917027	8436045917096
	GRAPHITE	X	8436045917102
T.P.	WHITE	£ 25	£ 25
	CHROME	£ 30	£ 30
	GRAPHITE	X	£ 30

# Unvented water heaters

ROINTE



# Domestic hot water solutions

WATER HEATERS



## DESIGN

Digital water heaters with touch control panel, TFT display and basic water heaters that fit any need and requirement.



**D Series**  
50, 75, 100, 150  
and 200 Litres

**KYROS**  
50, 75, 100, 150  
and 200 Litres

**RB Basic**  
50, 75, 100, 150  
and 200 Litres

**RW Basic**  
50, 75 and  
100 Litres



## SIZES

Square and cylindrical format according to model and volume.



Square shape  
50, 75 and 100 L



Cylindrical shape  
150 and 200 L

# Rointe unvented water heaters

the ideal solution to complete your system.

From special enamel to protect the interior of the water heater to the two heating elements connected in a parallel circuit, Rointe ensures the function of our water heater under any circumstance. The insulation of the water heater – key to keep a stable temperature of the water inside the tank – together with the electronics designed and manufactured with the latest advances in safety and consumption measurement, make our electric water heaters one of the most efficient on the market.



## EFFICIENCY



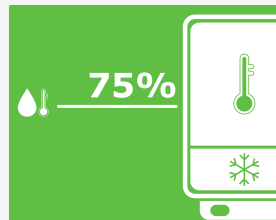
### RANGE WITH 5 SIZES

Rointe presents 5 models of water heaters with volumes ranging from 50 to 200 litres, to be able to adapt to the hot water needs of each user.

The 50, 75 and 100 litre water heaters are square to fit smaller spaces such as cabinets. The 150 and 200 litre are cylindrical and are designed to be mounted on a tripod in low-rise areas.

### EVOLUTION IN TEMPERATURE

The Rointe digital water heaters incorporate a function that allows the user to know in real time the available water the heater is able to supply at the desired temperature the user has set.



*For example, the value shown on this screen indicates that the water temperature is 75% of the way to reaching the set temperature value by the user.*

### BIODEGRADABLE POLYURETHANE INSULATION

In Rointe we take care of the environment and for that reason the insulation that we use in our water heaters is made of polyurethane with a thickness of 3 cm. It is totally biodegradable and without CFCs, therefore the material does not damage the environment.

### CONSUMPTION INDICATOR

Our digital water heaters incorporate an option to verify the efficiency of the system. Depending on your consumption, you will have a different coloured screen: green if the operation is optimal, yellow if it exceeds normal limits and red if the water heater is working above the estimated consumption.





## THE ENERGY SMART WATER HEATERS

**Our digital water heaters save up to 16% of energy compared to Rointe water heaters of the same capacity but with analogue technology.**

Our water heaters have been tested in the technological centre of energy and the environment, where 16% of savings on energy consumption were obtained in a profile using 120 litres during 24 hours for a house with 4 people, in respect to a Rointe analogue water heater. If you wish, you can request this report by contacting Rointe.

### HIGHER VOLUME OF WATER

**The mixing valve increases the capacity of the water heater by 70%.**

According to the test carried out at the technological centre for energy and the environment, the use of a mixing valve at the hot water outlet of a water heater increases the volume of water available at 39°C by 70%, in respect to a water heater where this has not been installed. If you wish, you can request this report by contacting Rointe.



## SECURITY

### ANTI-LEGIONNAIRE'S DISEASE SYSTEM

The Rointe digital water heaters incorporate a protection system against legionella bacteria. These bacteria can appear in humid environments when the water temperature is around 40°C.

To prevent this, the water heater automatically raises its temperature to 60°C for an hour, once a week to destroy any possible remainder of this dangerous bacteria, assuring the user that the water being used is clean and disinfected.



### DOUBLE HEATING ELEMENT

The product includes 2 sheathed heating elements, of easy substitution, that can be replaced without the necessity of having to drain the whole water heater. These heating elements work in a parallel circuit, so if one is damaged the other continues to heat the water.

### MAGNESIUM ANODE\*

The magnesium anode that the Rointe water heaters contain protects the life span of the cylinder of the water heater. It helps to prevent any lime scale within the tank avoiding any corrosion.

\*Check the periodicity of anode maintenance in the product manual.

### INSTALLATION KIT INCLUDED

Rointe offers users all the necessary components for the correct installation of the water heater according to the laws in each country. These kits must be installed to ensure the protection of the user against possible pressure failures.

### SECURITY THERMOSTAT

Each Rointe water heater includes a security thermostat inside the boiler preventing the possibility for it to overheat. Unlike the rest of the water heaters in the market, this reads the temperature at the top of the tank for a more precise measurement of the temperature.

### ELECTROLYTIC FITTINGS

The electrolytic components are assembled during the manufacturing process to avoid corrosion that can occur when joining steel pipes in the house to the outlets on the water heater.

### 5 YEAR CERTIFIED GUARANTEE

Rointe water heaters have a 5 year guarantee on the cylinder and a 2 year guarantee on electronic components and comply with all national and international regulations for heating products.

#### INCLUDED ACCESSORIES



Mixing valve



Support tripod  
(only for 150 & 200L)

In the United Kingdom it is **mandatory** for all models of unvented domestic hot water heaters to be installed with an installation kit (included). This kit is composed of:



Pressure reducing & relief valves



Tundish



Expansion vessel



#### Mandatory requirement

Unvented water heaters installation in the United Kingdom



## D Series

D.H.W. CONNECTED  
DIGITAL WATER HEATER



### Rointe D Series system

- 1 Steel tank covered with **0.5mm thick porcelain enamel**.
- 2 **Double heating element connected in parallel**, which work individually.
- 3 Long lasting **magnesium protective anode**.
- 4 Low thermal conductivity **3cm thick Polyurethane insulation free of CFC's**.

## CHARACTERISTICS



### LOW CONSUMPTION

The **Fuzzy Logic Energy Control** technology allows a highly efficient use of the energy and allows consumption optimizing in standby periods.



### INTEGRATED CONNECTIVITY

**Integrated Wi-Fi and home automation technology** via the E-Life technology platform.



### CONTROL OF CONSUMPTION AND COSTS

"True Real Power" consumption meter which allows you to obtain **statistics of the real energy consumption and costs**.

### Electronics & functionality

- 5 **2 circuits with SMD technology**, lithium battery and Triac relay.
- 6 **1.77" TFT display** with adjustable background colour.
- 7 **Highly sensitive touch control panel**.

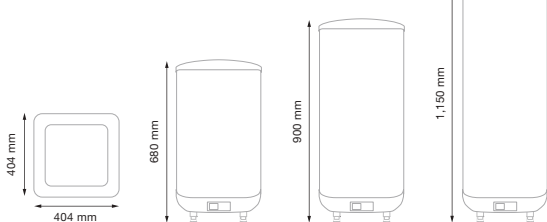
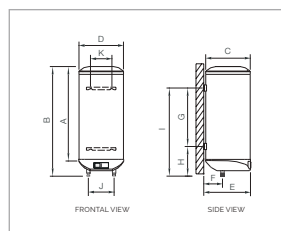
- **Water heating progress function**, which shows the amount of hot water available.
- **Periodic Anti-Legionnaires function**, which eliminates bacteria from the water.
- **New USER mode**.



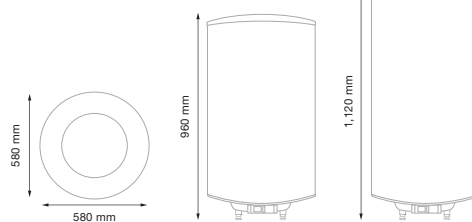


## Dimensions

Square range of products  
D Series water heaters - 50 - 75 - 100 L



Cylindrical range of products  
D Series water heaters - 150 - 200 L



MODELS	DWI050DHW2	DWI075DHW2	DWI100DHW2	DWI150DHW2	DWI200DHW2
Volume	50	75	100	150	200
<b>DIMENSIONS</b>					
A (mm) - Height	640	860	1,100	900	1,070
B (mm) - Height with connections	680	900	1,150	960	1,120
C (mm) - Total height with T/P valve	780	1,000	1,250	1,060	1,220
D (mm) - Width	404	404	404	580	580
E (mm) - Depth	404	404	404	580	580
F (mm) - Installed depth	420	420	420	620	620
G (mm) - Depth from the connections to the wall	120	120	120	178	178
H (mm) - Vertical distance between fixing holes	340	573	768	595	685
I (mm) - Vert. dist. lower fixing holes & connections	130	142	192	250	250
J (mm) - Vert. dist. upper fixing holes & connections	470	715	960	845	935
K (mm) - Distance between connections	160	160	160	235	235
L (mm) - Horizontal distance between fixing holes	350	350	350	350	350
<b>INSTALLATION</b>					
Position	Vertical				
Water connection (inches)	1/2"	1/2"	1/2"	3/4"	3/4"
Electrolytic fittings	●	●	●	●	●
Support Tripod	non available	non available	non available	included	included
<b>MECHANICAL CHARACTERISTICS</b>					
Control panel with touch keyboard	●	●	●	●	●
Maximum working pressure (bar)	9	9	9	9	9
Enamelled steel tank	●	●	●	●	●
Magnesium anode protector	●	●	●	●	●
CFC free polyurethane insulation	●	●	●	●	●
Empty weight (kg)	18	25	32	44	56
Finish	White RAL 9016				
<b>ELECTRICAL CHARACTERISTICS</b>					
N° Heating Elements x Power (W)	2 x 1,200	2 x 1,200	2 x 1,200	2 x 1,200	2 x 1,200
Nominal power (W)	2,400	2,400	2,400	2,400	2,400
Voltage (V)	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	10.4	10.4	10.4	10.4	10.4
<b>FUNCTIONALITY</b>					
TFT Screen (1.77")	●	●	●	●	●
Manual / Automatic functions	●	●	●	●	●
ECO / Comfort / Anti-frost / New USER modes	●	●	●	●	●
Anti-legionella & temperature evolution functions	●	●	●	●	●
Screen brightness control	●	●	●	●	●
Nominal and effective power	●	●	●	●	●
Programmable 24/7 using Pad, App or Remote Control	●	●	●	●	●
<b>PERFORMANCE AND SECURITY</b>					
Fuzzy Logic Energy Control	●	●	●	●	●
E-Life Technology & Wi-Fi Inside	●	●	●	●	●
True Real Power & Rointe ULP32 Microcontroller	●	●	●	●	●
Wireless communication	WiFi / Two-way infrared				
Cold water entry diffuser, safety valve & safety thermostat	●	●	●	●	●
Steady state consumption (kWh/24h)	1.1	1.2	1.4	1.9	2.3
Energy certification	●	●	●	●	●
Protection grade	IP X4	IP X4	IP X4	IP X4	IP X4
<b>PROTECTION GRADE</b>					
004/108/EC Support Electromagnetic	●	●	●	●	●
2006/95/EC Electronic Security	●	●	●	●	●
<b>EAN CODE</b>	8436045913968	8436045913975	8436045913982	8436045913999	8436045914002
<b>T.P.</b>	£ 693	£ 863	£ 956	£ 1,122	£ 1,273



## INCLUDED ACCESSORIES



Mixing valve



Support tripod  
(only for 150 & 200L)

In the United Kingdom it is **mandatory** for all models of unvented domestic hot water heaters to be installed with an installation kit (included). This kit is composed of:



Pressure reducing & relief valves



Tundish



Expansion vessel



### Mandatory requirement

Unvented water heaters installation in the United Kingdom

# KYROS

LOW CONSUMPTION  
DIGITAL WATER HEATER



## Rointe KYROS system

- 1 Steel tank covered with **0.5mm thick porcelain enamel**.
- 2 **Double heating element connected in parallel**, which work individually.
- 3 Long lasting **magnesium protective anode**.
- 4 Low thermal conductivity **3cm thick Polyurethane insulation free of CFC's**.

## CHARACTERISTICS



### LOW CONSUMPTION

The **Fuzzy Logic Energy Control** technology allows a highly efficient use of the energy and allows consumption optimizing in standby periods.



### NEW INTERACTIVE MENUS

**Improved interaction** with the water heater thanks to the new interactive menus.



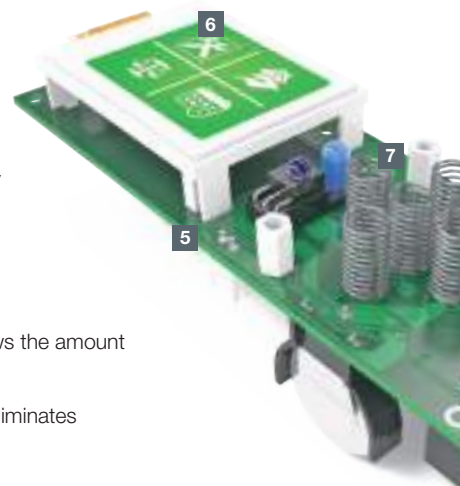
### INFRARED CONNECTIVITY - SENDING AND RECEPTION

**IR remote control** available (optional).

## Electronics and functionality

- 5 **1 circuit with SMD technology**, lithium battery and Triac relay.
- 6 **1.77" TFT display**.
- 7 **Highly sensitive touch control panel**.

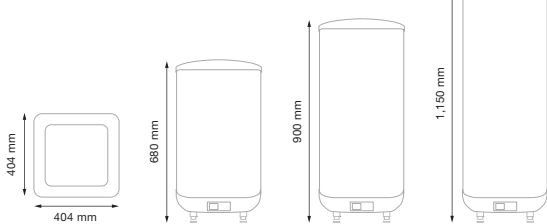
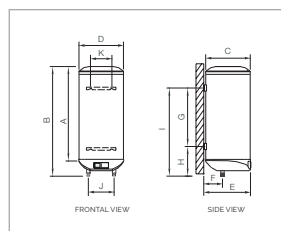
- **Water heating progress function**, which shows the amount of hot water available.
- **Periodic Anti-Legionnaires function**, which eliminates bacteria from the water.
- **New USER mode**.



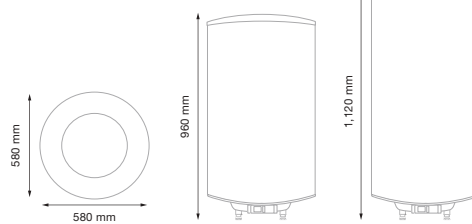


## Dimensions

Square range of products  
KYROS water heaters · 50 - 75 - 100 L



Cylindrical range of products  
KYROS water heaters · 150 - 200 L



MODELS	KWI050DHW3	KWI075DHW3	KWI100DHW3	KWI150DHW3	KWI200DHW3
Volume	50	75	100	150	200
<b>DIMENSIONS</b>					
A (mm) - Height	640	860	1,100	900	1,070
B (mm) - Height with connections	680	900	1,150	960	1,120
C (mm) - Total height with T/P valve	780	1,000	1,250	1,060	1,220
D (mm) - Width	404	404	404	580	580
E (mm) - Depth	404	404	404	580	580
F (mm) - Installed depth	420	420	420	620	620
G (mm) - Depth from the connections to the wall	120	120	120	178	178
H (mm) - Vertical distance between fixing holes	340	573	768	595	685
I (mm) - Vert. dist. lower fixing holes & connections	130	142	192	250	250
J (mm) - Vert. dist. upper fixing holes & connections	470	715	960	845	935
K (mm) - Distance between connections	160	160	160	235	235
L (mm) - Horizontal distance between fixing holes	350	350	350	350	350
<b>INSTALLATION</b>					
Position	Vertical				
Water connection (inches)	1/2"	1/2"	1/2"	3/4"	3/4"
Electrolytic fittings	●	●	●	●	●
Support Tripod	non available	non available	non available	included	included
<b>MECHANICAL CHARACTERISTICS</b>					
Control panel with touch keyboard	●	●	●	●	●
Maximum working pressure (bar)	9	9	9	9	9
Enamelled steel tank	●	●	●	●	●
Magnesium anode protector	●	●	●	●	●
CFC free polyurethane insulation	●	●	●	●	●
Empty weight (kg)	18	25	32	44	56
Finish	White RAL 9016				
<b>ELECTRICAL CHARACTERISTICS</b>					
N° Heating Elements x Power (W)	2 x 1,200	2 x 1,200	2 x 1,200	2 x 1,200	2 x 1,200
Nominal power (W)	2,400	2,400	2,400	2,400	2,400
Voltage (V)	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	10.4	10.4	10.4	10.4	10.4
<b>FUNCTIONALITY</b>					
TFT Screen (1.77")	●	●	●	●	●
Manual / Automatic functions	●	●	●	●	●
ECO / Comfort / Anti-frost modes	●	●	●	●	●
New User mode & 4 different pre-installed programming	●	●	●	●	●
Anti-legionnaires' disease function	●	●	●	●	●
Temperature evolution function	●	●	●	●	●
Screen brightness control	●	●	●	●	●
Nominal and effective power	●	●	●	●	●
Programmable 24/7 using keyboard or Remote Control	●	●	●	●	●
<b>PERFORMANCE AND SECURITY</b>					
Fuzzy Logic Energy Control & Rointe ULP8 Microcontroller	●	●	●	●	●
Wireless communication	Two-way infrared				
Cold water entry diffuser, safety valve & safety thermostat	●	●	●	●	●
Steady state consumption (kWh/24h)	1.1	1.2	1.4	1.9	2.3
Energy certification	●	●	●	●	●
Protection grade	IP X4	IP X4	IP X4	IP X4	IP X4
<b>PROTECTION GRADE</b>					
004/108/EC Support Electromagnetic	●	●	●	●	●
2006/95/EC Electronic Security	●	●	●	●	●
<b>EAN CODE</b>	8436045917416	8436045917423	8436045917430	8436045917447	8436045917324
<b>T.P.</b>	£ 630	£ 784	£ 869	£ 1,020	£ 1,157





Basic water heaters

# RB

Basic

WATER HEATER WITH  
EXTERNAL MANUAL  
ADJUSTMENT

## CHARACTERISTICS



### EXTERNAL MECHANICAL REGULATOR

The water heater has an external regulating wheel to select the temperature of the contained water.



### WIDE RANGE OF MODELS

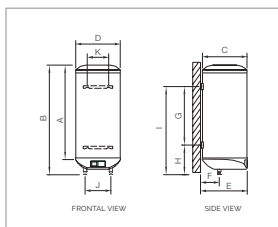
5 different models with capacity for 50, 75, 100, 150 and 200 litres.



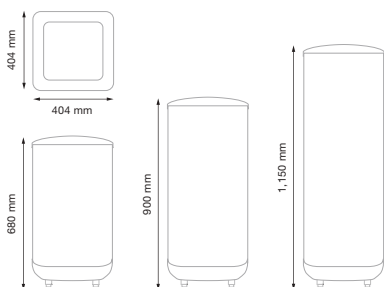
### OPERATING LIGHT PILOT

It includes a pilot indicator light to show when the resistance is on.

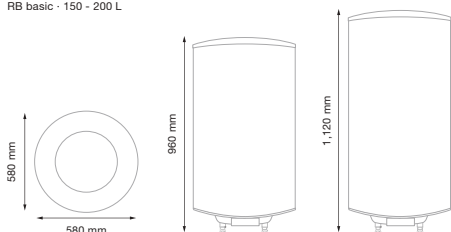
## Dimensions



**Square range of models**  
RB basic - 50 - 75 - 100 L



**Cylindrical range of models**  
RB basic - 150 - 200 L



MODELS	RBI050DHW	RBI075DHW	RBI100DHW	RBI150DHW	RBI200DHW
Volume	50	75	100	150	200
<b>DIMENSIONS</b>					
A (mm) - Height	620	853	1,048	900	1,070
B (mm) - Height w. connections	690	936	1,176	960	1,120
C (mm) - Width	410	410	410	580	580
D (mm) - Depth	410	410	410	580	580
E (mm) - Installed depth	429.5	429.5	429.5	620	620
F (mm) - Depth from the connections to the wall	120	120	120	178	178
G (mm) - Vertical distance between fixing holes	/	/	/	490	670
H (mm) - Vert. distance lower fixing holes & connections	/	/	/	355	355
I (mm) - Vert. distance upper fixing holes & connections	620	840	1,090	845	1,025
J (mm) - Dist. betw. connections	160	160	160	235	235
K (mm) - Horz. dist. fixing holes	350	350	350	350	350
<b>INSTALLATION</b>					
Water connections (inches)	1/2"	1/2"	1/2"	3/4"	3/4"
<b>MECHANICAL CHARACTERISTICS</b>					
Max. working pressure (bar)	9	9	9	9	9
Empty weight (kg)	18	25	32	44	56
<b>ELECTRICAL CHARACTERISTICS</b>					
Nominal power (W)	2,400	2,400	2,400	2,400	2,400
Voltage (V)	230 V ~	230 V ~	230 V ~	230 V ~	230 V ~
Current (A)	10.4	10.4	10.4	10.4	10.4
<b>PERFORMANCE &amp; SAFETY</b>					
Steady state consumption (kWh/24h)	1.1	1.2	1.4	1.9	2.3
Protection grade	IP 44	IP 44	IP 44	IP 44	IP 44
<b>EAN CODE</b>					
	8436045918055	8436045918062	8436045918079	8436045918086	8436045918093
<b>T.P.</b>	<b>£ 428</b>	<b>£ 533</b>	<b>£ 591</b>	<b>£ 694</b>	<b>£ 787</b>



## CHARACTERISTICS



### WIDE RANGE OF MODELS

3 different models with capacity for 50, 75 and 100 litres.



### OPERATING LIGHT PILOT

It includes a pilot indicator light to show when the resistance is on.

Basic water heaters

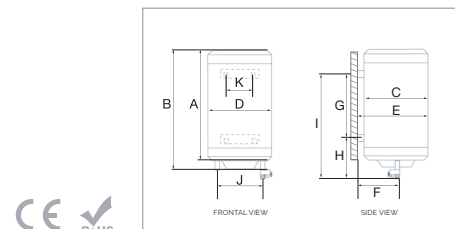
# RW

Basic

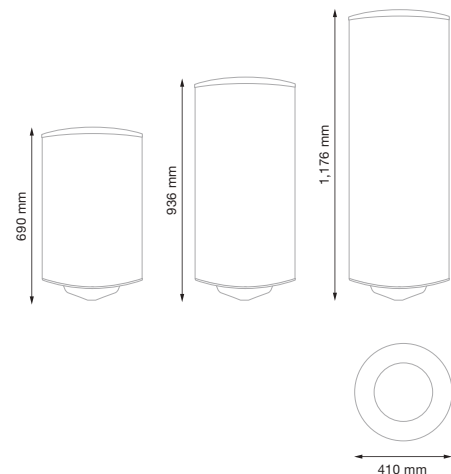
WATER HEATER WITH  
INTERNAL MANUAL  
ADJUSTMENT

MODELS	BSI050DHW	BSI75DHW	BSI100DHW
Volume	50	75	100
<b>DIMENSIONS</b>			
A (mm) - Height	620	853	1,048
B (mm) - Height with connections	690	936	1,176
C (mm) - Width	410	410	410
D (mm) - Depth	410	410	410
E (mm) - Installed depth	429.5	429.5	429.5
F (mm) - Depth from the connections to the wall	120	120	120
G (mm) - Vertical distance between fixing holes	/	/	/
H (mm) - Vert. distance lower fixing holes & connections	/	/	/
I (mm) - Vert. distance upper fixing holes & connections	620	840	1,090
J (mm) - Distance between connections	160	160	160
K (mm) - Horizontal distance between fixing holes	350	350	350
<b>INSTALLATION</b>			
Water connections (inches)	1/2"	1/2"	1/2"
<b>MECHANICAL CHARACTERISTICS</b>			
Maximum working pressure (bar)	9	9	9
Empty weight (kg)	18	25	32
<b>ELECTRICAL CHARACTERISTICS</b>			
Nominal power (W)	1,200	1,200	1,200
Voltage (V)	230 V ~	230 V ~	230 V ~
Current (A)	5.2	5.2	5.2
<b>PERFORMANCE &amp; SECURITY</b>			
Steady state consumption (kWh/24h)	1.1	1.2	1.4
Protection grade	IP 44	IP 44	IP 44
<b>EAN CODE</b>	8436045918109	8436045918116	8436045918123
<b>T.P.</b>	£ 407	£ 480	£ 532

## Dimensions



Cylindrical range of models  
RW Basic - 50 - 75 - 100 L





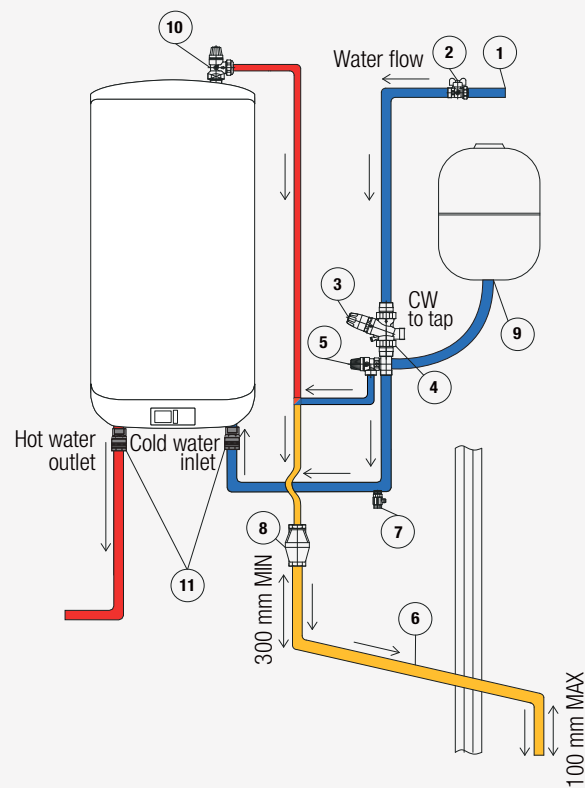
Accessories

# INSTALLATION KIT

LOW CONSUMPTION DOMESTIC HOT WATER WATER HEATER

### DETAILS OF THE INSTALLATION

- 1 - Mains cold water supply
- 2 - Stop cock (not supplied)
- 3 - Pressure reducing valve **(included)**
- 4-5 - Check valve - Expansion relief valve **(included)**
- 6 - Discharge pipe 22 mm
- 7 - Drain cock (not supplied)
- 8 - Tundish **(included)**
- 9 - Expansion vessel **(included)**
- 10 - T/P relief valve **(included)**
- 11 - Electrolytic fittings **(included)**



\* This image is only for reference. Check the instruction manual or the Building Regulations (PART G) for specific details and accessories required to perform a proper installation. The Rointe water heaters must be installed by an installer with a valid Unvented Water Heaters Installer certification.

In the United Kingdom it is **mandatory** for all models of unvented domestic hot water heaters to be installed with an installation kit (included). This kit is composed of:

Pressure reducing & relief valves

Tundish

**Mandatory requirement**  
Unvented water heaters installation in the United Kingdom

Expansion vessel

**The installation kit is included in all the D Series and KYROS water heaters but can also be purchased separately.**

MODELS	KITKW01	KITKW02	KITKW03
Compatible with	50 / 100 L	100 / 150 L	200 L
<b>CHARACTERISTICS</b>			
Expansion vessel	8 litres (0.1 Mpa)	12 litres (0.1 Mpa)	18 litres (0.1 Mpa)
Tundish	15 - 25 mm	15 - 25 mm	15 - 25 mm
Pressure reducing valve	0.35 Mpa	0.35 Mpa	0.35 Mpa
Relief valve	0.60 Mpa	0.60 Mpa	0.60 Mpa
<b>EAN CODE</b>	<b>8436045914330</b>	<b>8436045914347</b>	<b>8436045914354</b>
<b>T.P.</b>	<b>£ 218</b>	<b>£ 219</b>	<b>£ 227</b>



Accessories

# WATER HEATER SUPPORT

LOW CONSUMPTION  
DIGITAL D.H.W.  
WATER HEATERS

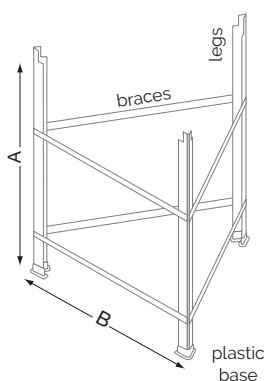


The support kit consists of an easily assembled tripod, which has been designed for the 150 and 200 litre models.

Its use is highly recommended for situations where wall fixing isn't sufficient or can't guarantee the stability of the product due to the weight of the product when 100% full. **Installation of this product does not mean it should not be wall mounted as explained in the installation manual.**

**The support tripod is included in all the D Series and KYROS 150 litre & 200 litre water heaters but it can also be purchased separately.**

MODEL	TPKW001
<b>COMPONENTS</b>	
Legs (pcs)	3
Braces (pcs)	6
Plastic base (pcs)	3
<b>CHARACTERISTICS</b>	
Material	Metallic
Finish	White RAL 9016
Maximum supported weight (kg)	260
<b>DIMENSIONS</b>	
A (mm) - Height	625
B (mm) - Width	530
EAN CODE	8436045914323
T.P.	£ 80





Accessories

# THERMOSTATIC MIXING VALVE

LOW CONSUMPTION DOMESTIC HOT WATER WATER HEATER



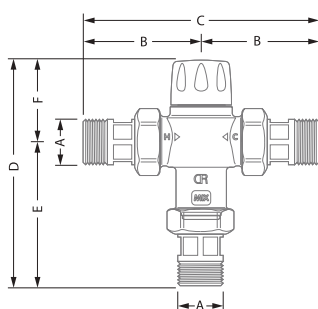
Roite sell a thermostatic mixing valve that prevents scalding the end user.

An update to Part G of Building Regulations for England and Wales requires to limit the temperature of hot water for the bath outlet, as this is deemed to **present the highest scalding risk**. This mixing valve is be capable of **keeping a precise and stable temperature**.

The thermostatic mixing valve is included in all the D Series and KYROS water heaters but it can also be purchased separately.



## Dimensions



MODELS	KWVAL1814	KWVAL1815
<b>CHARACTERISTICS</b>		
Adjustment range	30+50°C	
Accuracy	± 2°C	
Maximum working pressure (static)	10 bar	
Maximum working pressure (dynamic)	5 bar	
Temp maximum input	85°C	
Input Temp advised to avoid limescale	≤ 65°C	
Relationship max. between inlet pressures (C / F or F / C)	2:1	
Min. Temp. dif. betw. hot water inlet & mixed water outlet (to avoid burns)	15°C	
Min. flow rate to ensure stable temperature	4 l/min	6 l/min
Connections	1/2" Male	3/4" Male
<b>DIMENSIONS</b>		
A (inch)	1/2"	3/4"
B (mm)	62.5	67
C (mm)	125	134
D (mm)	126.5	127
E (mm)	81.5	82
F (mm)	45	45
<b>MATERIALS</b>		
Body: chrome alloy anti rust	EN 12165 CW602N	
Shutter	PSU	
Springs	Stainless steel	
<b>INSTALLATION</b>		
Hot and cold water valves with entry filters	●	●
<b>SECURITY</b>		
Scalad & regulation locking nut protection	●	●
Temperature adjustment with hexagon screw top	●	●
<b>CERTIFICATIONS</b>		
Standard NF 079	●	●
<b>EAN CODE</b>	8436045914361	8436045914378
<b>T.P.</b>	£ 150	£ 180



# The Rointe thermostatic mixing valve increases the available domestic hot water up to 70%

The other advantage of this valve is that it increases the amount of hot water available with respect to the capacity of the tank, which is defined as the equivalent volume.

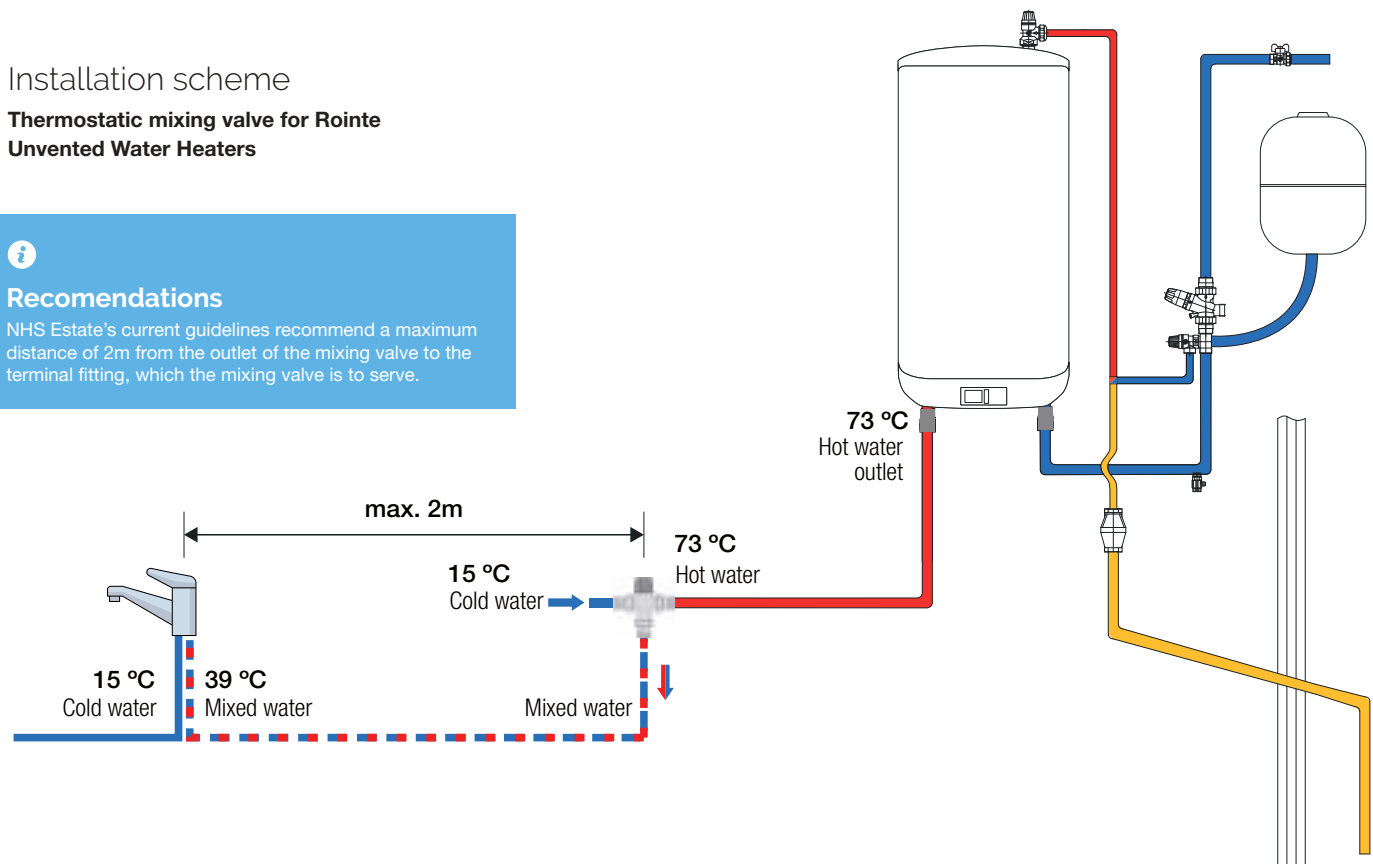
**This equivalent volume represents the litres of water available at 39°C assuming that the temperature of the water which enters the tank is 15°C and the desired temperature is 73°C.**

MODELS	AVAILABLE WATER WITHOUT MIXING VALVE (L)	AVAILABLE WATER WITH MIXING VALVE (L)
50	50	85
75	75	127,5
100	100	170
150	150	255
200	200	340

## Installation scheme

### Thermostatic mixing valve for Rointe Unvented Water Heaters

**Recomendations**  
 NHS Estate's current guidelines recommend a maximum distance of 2m from the outlet of the mixing valve to the terminal fitting, which the mixing valve is to serve.



# Controls

ROINTE



# Control devices for integral heating solutions



## INFRARED REMOTE CONTROL

Three remote controls to choose from either basic or advanced.



AIR Control  
White



AIR Control  
Soft Touch Black



BASIC Control  
White



## CONTROL APPLICATION

Multi-platform app available for smartphone, tablet or PC.



Rointe Connect  
Application

# Optimize wellness and save money with our **preprogramming.**

Energy expenditure is one of the most important elements in a household budget. The preprogramming available in the new Rointe BASIC remote control and in the Rointe KYROS radiators and towel rails helps to save money without impeding the maximum comfort in the home.

These weekly programs allow you to quickly select the one that best suits according to your lifestyle, avoiding the products continual use when not needed and without the need for programming each day, generating savings by only having the heating on when needed.



Preinstalled programming accessible from these 4 buttons

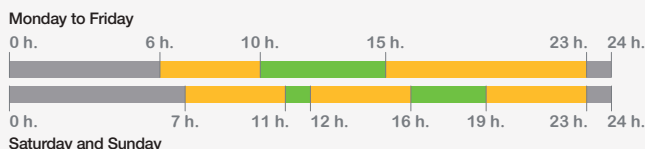
## 4 pre-designed programs for 4 different lifestyles

- Save energy and increase efficiency
- Easy to select
- Personalized by the user
- Adaptable to each lifestyle
- Installed in KYROS radiators and towel rails and in the BASIC Control remote



### Common lifestyle

The heating runs after you leave for work in ECO mode and switches to COMFORT mode when you return.

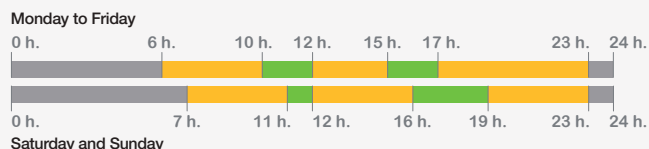


● No programming ● ECO mode ● COMFORT mode



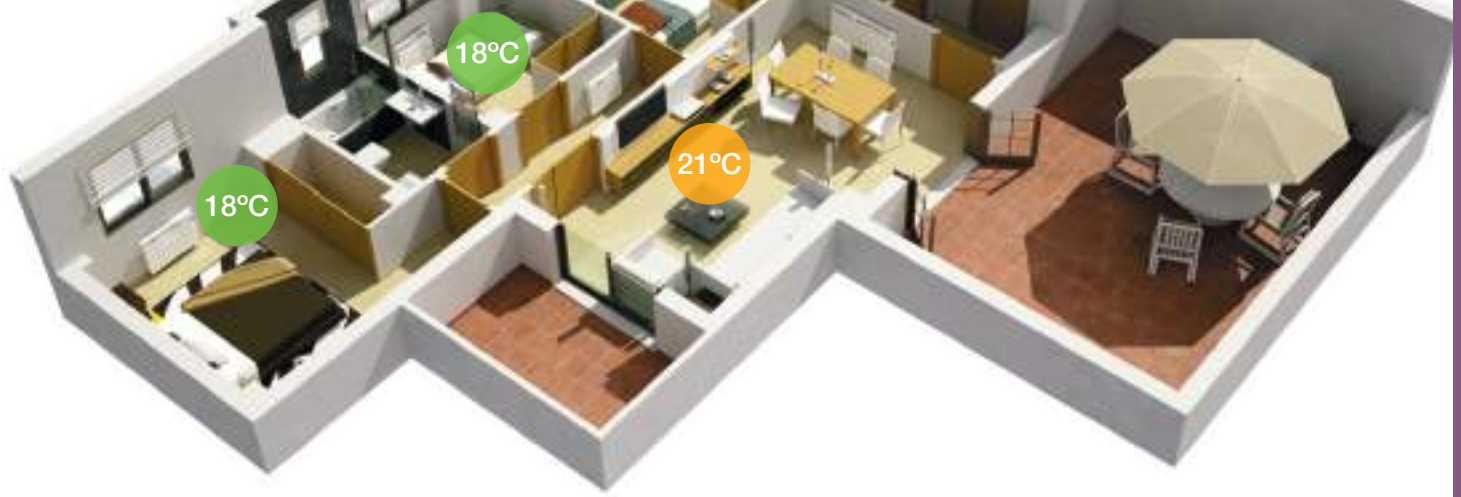
### Split Shift

Designed for workers who work shifts or at different times of day.



● No programming ● ECO mode ● COMFORT mode





## Save energy with Rointe smart programming

Thanks to programming you can get significant savings in your electric bill.

To maximise savings without affecting your comfort, it is not simply a matter of turning the heating on and off, but of setting the **desired temperature for each time and room throughout the week.**

The Rointe digital integral system allows you to program your heating systems exactly according to your lifestyle and daily needs.

For example, you can select a schedule with more hours in COMFORT mode in spaces such as the living room or kitchen, where you spend most of the day. On the contrary, in other areas such as the bedroom which are usually only for night-time rest, **it is much smarter to set lower temperatures in the ECO mode.**

With the personalized programming of our products, you can create different environments within each home. **This is what we call smart programming.**



### Home life

The heating system keeps the temperature of the house stable throughout the day for those that spend most of their time at home.

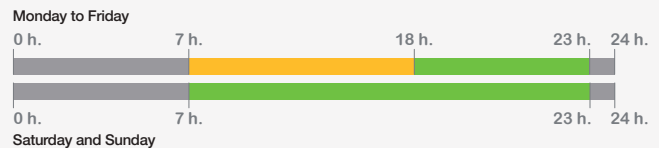


● No programming ● ECO mode ● COMFORT mode



### Office

Designed for premises or offices where most of the activity is done throughout the day.



● No programming ● ECO mode ● COMFORT mode



#### AVAILABLE FINISHES

- White RAL 9016
- Soft touch black



**INFRA RED**

# AIR Control

BI-DIRECTIONAL  
INFRARED REMOTE  
CONTROL

## Electronics and functionality

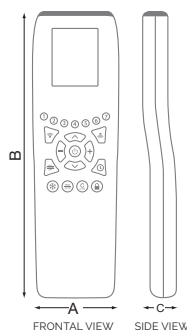
- **Two way communication** using infra-red. Send and receive.
- **SMD electronics** and advanced control technology.
- **1.77" TFT Screen.**
- **Compact mechanical keypad.**
- **Complete functionality** to control your Rointe heating system.

## Compatibility

- The AIR Control remote control is **compatible with the D Series and KYROS products.**

### Accessories Wall Support

The Rointe AIR Control remote control **includes a transparent, modern and elegantly designed wall support.**



MODEL	ACMI120	ACMIB120
<b>DIMENSIONS</b>		
W (mm) - Width	54	54
H (mm) - Height	177	177
D (mm) - Depth	21	21
<b>MECHANICAL CHARACTERISTICS</b>		
Weight (grs)	115	115
Finishes	White RAL 9010	Black soft touch
Cover material	PC/ABS	PC/ABS
Range operating temperature	-20 to 55 °C	-20 to 55 °C
<b>ELECTRICAL CHARACTERISTICS</b>		
Battery type	2 x 1.5 AAA	2 x 1.5 AAA
<b>COMMUNICATION</b>		
Wireless IR.	●	●
Transmitting - range (m)	3	3
Reception - range (m)	1	1
<b>INSTALLATION</b>		
Installed depth with support (mm)	25	25
<b>FUNCTIONALITY</b>		
TFT screen (1.77")	●	●
24 hours / 7 days programmer	●	●
Manual / automatic function	●	●
Remote memory lock - heating and D.H.W.	●	●
Erasing programming memory	●	●
Screen brightness control - On / Stand-by mode	●	●
Display nominal and effective power	●	●
<b>ADVANCED FUNCTIONS</b>		
Display consumption time, software version & battery level	●	●
Reset to initial default settings function	●	●
<b>APPLICABLE REGULATIONS</b>		
CE & ROHS	●	●
EAN CODE	8436045914286	8436045914569
T.P.	£ 135	£ 150







**AVAILABLE FINISHES**

● White RAL 9016

**GUARANTEE**

**2** YEARS

on accessories & controls

### Electronics and functionality

- **Communicates via infrared** up to a distance of 3m.
- **SMD electronics** and advanced control technology.
- **1.77" TFT Screen.**
- **Compact mechanical keypad.**
- **Four quick access buttons** for pre-installed programs.

**INFRA**RED

# BASIC Control

INFRARED REMOTE CONTROL


CONTROLS

<b>MODEL</b>	<b>BCMI100</b>
<b>DIMENSIONS</b>	
A (mm) - Width	58
B (mm) - Height	155
C (mm) - Depth	16
<b>MECHANICAL CHARACTERISTICS</b>	
Weight (grs)	98
Finish	White RAL 9010
Cover material	PC/ABS
Range operating temperature	-20 to 55 °C
<b>ELECTRICAL CHARACTERISTICS</b>	
Battery type	2 x 1.5 AAA
<b>COMUNICATION</b>	
Transmitting - range (m)	3
Reception - range (m)	Not available
<b>FUNCTIONALITY</b>	
TFT screen (1.77")	●
24 hours / 7 days programmer	●
Manual / automatic function	●
Remote memory lock - heating and D.H.W	●
Pre-programmed keys	●
Erasing programming memory	●
Screen brightness control - On / Stand-by mode	●
Display nominal and effective power	●
<b>ADVANCED FUNCTIONS</b>	
Display consumption time, software version & battery level	●
Reset to initial default settings function	●
<b>APPLICABLE REGULATIONS</b>	
CE & ROHS	●
<b>EAN CODE</b>	<b>8436045915863</b>
<b>T.P.</b>	<b>£ 85</b>

### Compatibility

- The BASIC Control remote control is compatible with the KYROS ranges.

### Pre-programs

 The BASIC Control remote control has **4 buttons with 4 pre-installed programs ready for use.** By simply pushing a button the user can choose the most appropriate program according to their lifestyle.





# Rointe Connect

MULTI-PLATFORM CONTROL APP

## Compatibility

- The Rointe Connect app is compatible with all the products in the D Series range and with the control thermostat of the Rointe Smart Touch underfloor heating.

Compatible with the Rointe Smart Touch thermostat



## Functionality

- App for iOS, Android and web for other systems.
- App available for mobile, tablet or PC.
- Statistics available: consumption, savings, temperatures etc.
- Ability to configure a single product, floor levels, whole houses or offices.
- Control 24/7 from anywhere that has internet access.



VERSION	V 1.0.
<b>COMMUNICATION</b>	
Wireless Via Wi-Fi	●
<b>PLATFORMS</b>	
iOS 8.0 or higher & Android 4.0 or higher	●
Web (Google Chrome, Mozilla Firefox, Internet Explorer, Opera )	●
<b>FUNCTIONS</b>	
Alter the temperature	●
Programmable 7 days a week/24 hours a day	●
Function Manual / Automatic	●
Remote control lock – Heating	●
Light and colour display change	●
View nominal and effective power	●
Open windows mode / User Mode	●
Statistics control - Temperature, power consumption, savings	●
Product pairing & management	●
Individual or zone control	●
Push notifications (coming soon)	●
<b>LANGUAGES</b>	
English, French, Portuguese & Spanish	●

# Pairing process

## D Series products and Rointe Connect control application for iOS

The pairing of the D Series products is a short and simple process that allows control, from the chosen device (s), all the radiators, towel rails and water heaters that form an installation. Unlike many other products on the market, the pairing of the D Series products consists of only 4 steps and does not require previous computer knowledge, since it is designed so that any type of user or installer is able to do it easily.

1

### Download the Rointe Connect App



Download and install the Rointe Connect app from the app store on your smartphone. Available on Google Play for Android and on the App Store for iOS.

Once the app is installed, register as a new user and log in.

2

### Creation of the installation and zones



Once the session is started, click on the + button to create a new installation. From here, the wizard will guide you through the process: enter a name for the installation, select its location, choose the time zone and customize it by choosing a colour and an icon. Subsequently, add as many areas as necessary.

3

### Starting Pairing Mode

1 - In the application, you will access the final zone in which you want to match the product (i.e. living room). Press the menu button (☰) and select the 'Add product' option. The wizard will guide you through the process.

2 - In the settings of your smartphone, you will connect to the Wi-Fi network of the place where the D Series product has been installed. Please enter the password in the application when requested.



3 - On the product, press the menu key on the control panel (☰). The main menu screen will appear, where you will select the tools option (🔧) and once inside the option Wi-Fi (📶).

The product screen will change its colour to red, indicating that you have successfully activated the pairing mode.



4

### Final connection - product & application

1 - When you activate the pairing mode, the product creates a Wi-Fi network of its own to which you will connect. To do this, we will access the settings of your smartphone and connect to the network that the product has generated with the network name (NET :) and the password (PIN :).

2 - You return to the application and check that you are connected to the product.



If the process is successful, the product will restart. Finally, click on 'check device' to ensure that the connection has been successful.



Do you need help to pair products?

Visit our YOUTUBE channel and watch our videos!

<https://rointe.co.uk/connect>

# Sizing,

example of calculation and case studies



The **most efficient** comfort and well-being



## SIZING

The sizing is the base on which the correct distribution of Rointe radiators in a home or business is based to achieve the perfect balance between comfort and efficiency, depending on the climatic zone in which the property is located and consumption estimates according to the established calculation by Rointe.



## CALCULATION EXAMPLE

Example of the sizing of radiators and water heater for an 80m<sup>2</sup> property in a cold climatic zone.



## SUCCESS STORIES

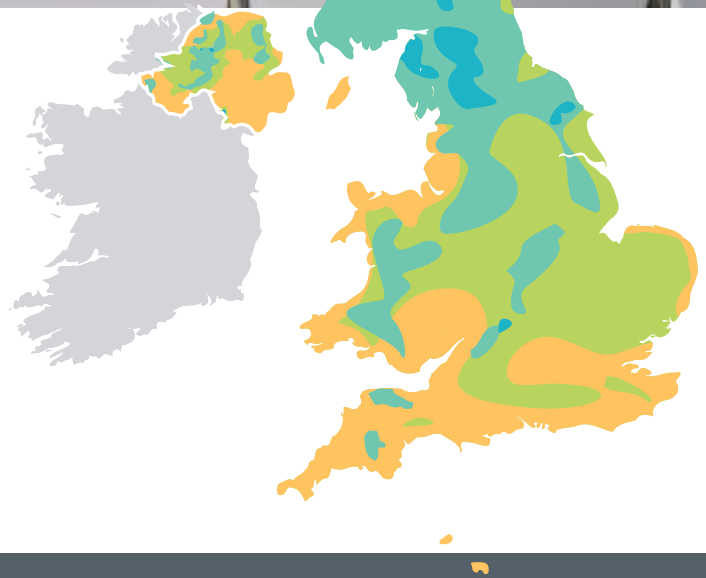
Testimonials and case studies of installations carried out with Rointe radiators, towel rails and water heaters.



Radiator sizing

# R.T.C.

ROINTE THERMAL  
COEFFICIENT



Rointe's projects and technical studies department

Rointe shares with all its installers and wholesalers the **Rointe Projects Department**, made up of specialized engineers, who are personally responsible for calculating the number of elements required for each installation, according to the user heating needs. With this service, we make it possible for our customers to carry out complete technical studies with consumption comparisons that help them when presenting their Rointe installation services to any user.

The R.T.C. is a coefficient developed by Rointe that calculates between the number of elements necessary for a residence and its square meters and geographical area. With the proper sizing using the corresponding R.T.C. you will obtain the most balanced consumption.

$$\frac{\text{ZONE CLIMATE COEFFICIENT}}{\text{ELEMENT PERFORMANCE COEFFICIENT}} = \text{R.T.C}$$

To calculate the required radiators, we have to distinguish between  $m^2$  and  $m^3$ . For ceilings with a height lower than 3 meters we will use the R.T.C. ( $m^2$ ). For ceilings with a height higher than 3 meters we will use the R.T.C. ( $m^3$ ).

$$\text{R.T.C.} \times m^2 = \text{NECESSARY ELEMENTS}$$

$$\text{R.T.C.} \times m^3 = \text{NECESSARY ELEMENTS}$$

For example, if we want to obtain the R.T.C. of a cold zone:

$$\frac{476 \text{ BTU/h m}^2}{595 \text{ BTU/h m}^2} = 0.80 \text{ elements/m}^2$$

Weather	Climatic Coefficient		Height less than 3 m	Height more than 3 m
			R.T.C ( $m^2$ )	R.T.C ( $m^3$ )
Mild	436 BTU/h $m^2$	139 BTU/h $m^3$	0.75 elements/ $m^2$	0.23 elements/ $m^3$
Cold	476 BTU/h $m^2$	159 BTU/h $m^3$	0.80 elements/ $m^2$	0.26 elements/ $m^3$
Very Cold	516 BTU/h $m^2$	179 BTU/h $m^3$	0.85 elements/ $m^2$	0.30 elements/ $m^3$
Extra Cold	556 BTU/h $m^2$	198 BTU/h $m^3$	0.90 elements/ $m^2$	0.33 elements/ $m^3$



# SIZING

## Radiator recommended by square meter and climatic zone.



Examples of calculations already made based on the number of elements, area and climatic zone can be found in the following tables:

### KYROS AND D SERIES RADIATORS

Reference tables for radiators with **ODD ELEMENT DISTRIBUTION**

Calculation m<sup>2</sup> - ceiling height less than 3 meters

Weather	MILD	COLD	VERY COLD	EXTRA COLD
BTU/h m <sup>2</sup>	436 BTU/h m <sup>2</sup>	476 BTU/h m <sup>2</sup>	516 BTU/h m <sup>2</sup>	556 BTU/h m <sup>2</sup>
C.T.R.	0.75 elem./m <sup>2</sup>	0.80 elem./m <sup>2</sup>	0.85 elem./m <sup>2</sup>	0.90 elem./m <sup>2</sup>
3 elem.	Up to 4 m <sup>2</sup>	Up to 4 m <sup>2</sup>	Up to 4 m <sup>2</sup>	Up to 3 m <sup>2</sup>
5 elem.	Up to 7 m <sup>2</sup>	Up to 6 m <sup>2</sup>	Up to 6 m <sup>2</sup>	Up to 6 m <sup>2</sup>
7 elem.	Up to 10 m <sup>2</sup>	Up to 9 m <sup>2</sup>	Up to 8 m <sup>2</sup>	Up to 8 m <sup>2</sup>
9 elem.	Up to 12 m <sup>2</sup>	Up to 11 m <sup>2</sup>	Up to 11 m <sup>2</sup>	Up to 10 m <sup>2</sup>
11 elem.	Up to 15 m <sup>2</sup>	Up to 14 m <sup>2</sup>	Up to 13 m <sup>2</sup>	Up to 12 m <sup>2</sup>
13 elem.	Up to 18 m <sup>2</sup>	Up to 16 m <sup>2</sup>	Up to 15 m <sup>2</sup>	Up to 15 m <sup>2</sup>
15 elem.	Up to 20 m <sup>2</sup>	Up to 19 m <sup>2</sup>	Up to 18 m <sup>2</sup>	Up to 17 m <sup>2</sup>

Calculation m<sup>3</sup> - ceiling height more than 3 meters

Weather	MILD	COLD	VERY COLD	EXTRA COLD
BTU/h m <sup>3</sup>	139 BTU/h m <sup>3</sup>	159 BTU/h m <sup>3</sup>	179 BTU/h m <sup>3</sup>	198 BTU/h m <sup>3</sup>
C.T.R.	0.23 elem./m <sup>3</sup>	0.26 elem./m <sup>3</sup>	0.30 elem./m <sup>3</sup>	0.33 elem./m <sup>3</sup>
3 elem.	Up to 15 m <sup>3</sup>	Up to 13 m <sup>3</sup>	Up to 11 m <sup>3</sup>	Up to 10 m <sup>3</sup>
5 elem.	Up to 23 m <sup>3</sup>	Up to 21 m <sup>3</sup>	Up to 18 m <sup>3</sup>	Up to 16 m <sup>3</sup>
7 elem.	Up to 32 m <sup>3</sup>	Up to 28 m <sup>3</sup>	Up to 25 m <sup>3</sup>	Up to 22 m <sup>3</sup>
9 elem.	Up to 41 m <sup>3</sup>	Up to 36 m <sup>3</sup>	Up to 31 m <sup>3</sup>	Up to 28 m <sup>3</sup>
11 elem.	Up to 50 m <sup>3</sup>	Up to 44 m <sup>3</sup>	Up to 38 m <sup>3</sup>	Up to 34 m <sup>3</sup>
13 elem.	Up to 58 m <sup>3</sup>	Up to 51 m <sup>3</sup>	Up to 45 m <sup>3</sup>	Up to 40 m <sup>3</sup>
15 elem.	Up to 67 m <sup>3</sup>	Up to 59 m <sup>3</sup>	Up to 51 m <sup>3</sup>	Up to 46 m <sup>3</sup>

Reference table for KYROS conservatory radiators

11 elem.	Up to 9 m <sup>2</sup>	Up to 8 m <sup>2</sup>	Up to 7 m <sup>2</sup>	Up to 7 m <sup>2</sup>
13 elem.	Up to 10 m <sup>2</sup>	Up to 9 m <sup>2</sup>	Up to 9 m <sup>2</sup>	Up to 8 m <sup>2</sup>
15 elem.	Up to 12 m <sup>2</sup>	Up to 11 m <sup>2</sup>	Up to 10 m <sup>2</sup>	Up to 9 m <sup>2</sup>

11 elem.	Up to 27 m <sup>3</sup>	Up to 24 m <sup>3</sup>	Up to 21 m <sup>3</sup>	Up to 19 m <sup>3</sup>
13 elem.	Up to 32 m <sup>3</sup>	Up to 28 m <sup>3</sup>	Up to 25 m <sup>3</sup>	Up to 22 m <sup>3</sup>
15 elem.	Up to 37 m <sup>3</sup>	Up to 32 m <sup>3</sup>	Up to 29 m <sup>3</sup>	Up to 26 m <sup>3</sup>

### Recommendations for correct sizing.

- In areas that contain stairs or corridors and there is a high risk of heat loss, we recommend that the result be **increased by 15%**.
- As kitchens are areas with a lot more furniture and a generally higher room temperature, we recommend that the result be **decreased 10%**.
- **Avoid placing obstacles near the radiators and distribute them evenly in the room.** For example, if a room of 21m<sup>2</sup> needs 18 elements, the ideal radiators to install would be 2 of the 9 elements radiators with an equidistant separation between them.





## Sizing

# Towel rails recommended by area

*Remember...*

Do you need help with  
sizing and installation?

Go to

<https://rointe.co.uk/calculate-your-needs/>

and check the new Rointe online  
calculator.

### D SERIES TOWEL RAILS

White, graphite forge effect, RAL colour and chrome models

AREA	POWER	FINISH	MODEL		
Up to 3 m <sup>2</sup>	300 W	White Graphite forge effect RAL Colour	DTI030SEW	DTI030SEB	DTI030SER
Up to 5 m <sup>2</sup>	450 W		DTI045SEW	DTI045SEB	DTI045SER
Up to 7 m <sup>2</sup>	600 W		DTI060SEW	DTI060SEB	DTI060SER
Up to 10 m <sup>2</sup>	750 W		DTI075SEW	DTI075SEB	DTI075SER
Up to 2 m <sup>2</sup>	300 W	Chrome	DTI030SEC		
Up to 4 m <sup>2</sup>	300 W		DTI045SEC		
Up to 6 m <sup>2</sup>	450 W		DTI060SEC		
Up to 8 m <sup>2</sup>	600 W		DTI075SEC		

### KYROS TOWEL RAILS

White and chrome models

AREA	POWER	FINISH	MODEL
Up to 3 m <sup>2</sup>	300 W	White	KTI030SEB3
Up to 5 m <sup>2</sup>	500 W		KTI050SEB3
Up to 7 m <sup>2</sup>	750 W		KTI075SEB3
Up to 10 m <sup>2</sup>	1,000 W		KTI100SEB3
Up to 2 m <sup>2</sup>	300 W	Chrome	KTI030SEC3
Up to 4 m <sup>2</sup>	300 W		KTI050SEC3
Up to 6 m <sup>2</sup>	500 W		KTI075SEC3
Up to 8 m <sup>2</sup>	750 W		KTI100SEC3