Rointe®

KYROS

20 years Guarantee
3 years Electric and electronic components

INSTRUCTION MANUAL

KYROS DIGITAL ELECTRONIC RADIATOR

Mounting, installation, starting and operation

FUZZY LOGIC

INFRARED CONTROL

CE

ISO 9001
BUREAU VERITAS
Certification

RoHS

KYROS

Thank you.

Thank you very much for choosing Rointe heating. Before using the low consumption KYROS digital electric radiators, we recommend you to read this instruction manual in order to ensure correct operation.

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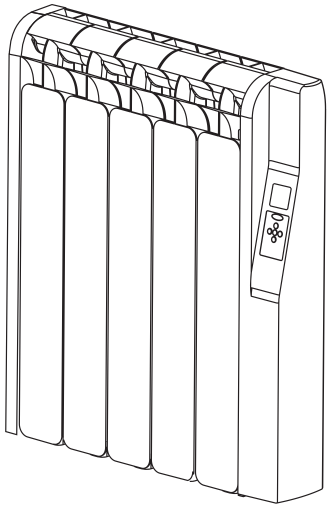
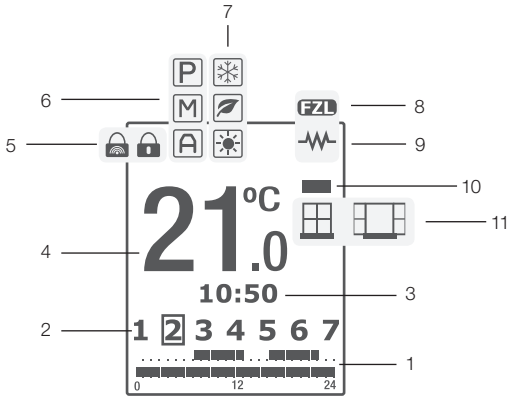
1. DESCRIPTION OF THE “KYROS ” RADIATOR



1.1. Front panel description.

ICON	INDICATION
⏻	On / Off - Accept
−	Decrease temperature - Move left
+	Increase temperature - Move right
MENU	Access/Back to menu - Move up
MAN AUT	Manual / Automatic - Move down



SEGMENT	INDICATION
1	Programming
2	Days Of The Week
3	Time Of Day
4	Temperature Selected
5	Locking The Control Panel
6	Manual / Automatic Function / Pilot wire
7	Comfort / Economy / Anti-Frost Mode
8	Fuzzy Logic Energy Control Function
9	Heater Element On
10	Consumption indicator
11	Open windows function

ICON	INDICATION
	Open windows function - enabled mode
	Open windows function - active mode
	Energy consumption indicator - green - yellow - red
	Heating element on
FZL	Fuzzy Logic Energy Control working
	Comfort mode on.
	Eco mode on.
	Anti-frost mode on.
A	Automatic function on.
M	Manual function on.
P	Pilot wire control function on. Not available in UK. Only upon demand
A	Automatic function on when USER function is working.
M	Manual function on when USER function is working.
P	Pilot wire control function on when USER function is working. Not available in UK. Only upon demand
	Locked through radiator control panel.
	Remote lock. Locked through AIR remote control.

1.2. Switching On & Off (stand-by)

By pressing the ⏻ key, you can switch the radiator on. The following image will appear on the screen when the radiator is switched on.	ROINTE DIGITAL SYSTEM Integral digital heating
After 5 seconds, the temperature, time and days of the week will be displayed on the main screen.	M 21.0 °C 10:50 1 2 3 4 5 6 7
By pushing the ⏻ button again the radiator will go into standby mode with the word 'standby' displayed.	STAND-BY
After 5 seconds the Rointe logo will appear.	Rointe

1.3. Temperature selection

By pressing ⊖ or ⊕ you can change the temperature. When the room temperature is lower than the set temperature the radiator will come on with the ⊸⊷⊸ symbol appearing.	
When the Fuzzy Logic Enery control technology is functioning this symbol FZL will appear instead of ⊸⊷⊸ .	

1.4. Locking the control panel

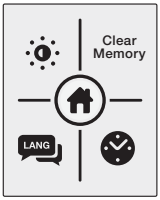
You can lock the control panel from the radiator or the AIR Control remote (optional). Here we show how to do it from the control panel of the product itself.

By pressing the ⊖ and ⊕ keys at the same time for 3 seconds you can lock the control panel. The locked control panel symbol 🔒 appears and the keys will not respond. The following symbol will appear on the screen if any button is pushed. To unlock, press the ⊖ and ⊕ buttons together for 3 seconds.	

When the radiator is locked from the AIR Control remote, the remote keypad lock will appear on the screen. If any button is pressed, the image on the right will be displayed. When the keypad has been locked remotely, it can only be unlocked remotely via the AIR Control remote.	

1.5. Setting the day and time

You can set the time on the radiator from the control panel of the product itself. Here we show how to do it from the control panel of the product itself.

Press the menu button ⊖ to access the main menu. Using the ⊖ and ⊕ buttons select the configuration sub-menu and press ⏻ to access.	
In the configuration menu use the ⊖ and ⊕ buttons to select the clock option and press ⏻ to access.	

Press the button ⏻, the hours, minutes and days of the week will flash according to the number of times it is pressed (1 for hours, 2 for minutes and 3 for day of the week). Pressing the buttons − and +, set the correct time and day. Confirm by pressing the ⏻ button.	

To leave the time and date adjust feature, wait 30 seconds or press ⏻ after the day of the week selection.

1.6. Main menu

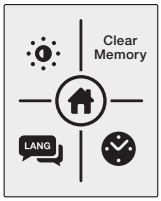
The main menu of your Kyros radiator is accessed by pressing the menu MENU button. Pressing the buttons − and +, we can move across the different options on the menu. The selected submenu will be highlighted with a frame. The icons displayed on the following screen take you to the following submenus.				
Settings submenu	Energy submenu	Balance function	Program submenu	

1.6.1. Settings submenu

The submenu settings configure technical parameters. To access, select the icon displayed in the main menu screen.

Pressing the buttons (−) and (+), we can move across the different options on the submenu.

The screen shown on the right appears. The icons represent the following options:



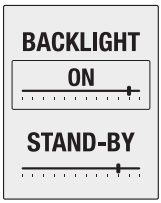
	Clear Memory	LANG	
Screen backlight	Clear memory	Language	Set time

- **Screen brightness**

This allows you to change the brightness in the STAND-BY and ON modes. With the keys (MENU) and (MAN AUT) we can switch between the two options.

With the keys (−) and (+) we can increase or decrease the brightness.

The cursor indicates the intensity of the light. Having set the required parameters press (⏻) to exit.



- **Clear memory** Clear Memory

This allows you to clear any information saved in your radiator. When you press this function, this image will appear and the language will change to default.	MEMORIA BORRADA

- **Language** LANG

This sets the language you wish to use to communicate with the product. With the keys MENU and MAN AUT select the language required and confirm by pressing ⏻ when the chosen language is highlighted.	LANGUAGE ENGLISH FRANÇAIS ESPAÑOL PORTUGUÊS

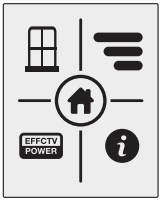
- **Set time**

This sets the hour, minutes and day of the week in the product. To set the time and day in your product refer to section 1.5.	SET TIME 10:50 1 2 3 4 5 6 7

1.6.2. Energy submenu

The Energy submenu provides access to functions related with the energy management. Access by selecting the icon from the main menu to enter the screen shown on the right. The icons represent the following options:

Open windows function	Consumption status	Effective power function	Information



- **Open windows function**

Allows you to enable or disable the Open windows function. With the keys MENU and MAN AUT, select ON to activate or OFF to disable. Once the desired option is selected press to confirm and exit. To know how this function works, please go to point 1.7.

This function activates the anti-frost mode to 7ºC when the radiator temperature sensor reads a drop of at least 4ºC in 30 minutes.

- **Consumption status**

This function displays a status consumption screen to alert the user if the product works properly or there is an issue that makes the product having a overconsumption.

When the key is pressed , appears one of the following screens according to the state of consumption of the product.

Up to 40% of effective power

Between 40% and 60% of effective power

More than 60% effective power

CONSUMPTION OK	CONSUMPTION CAUTION	CONSUMPTION WARNING

- **Effective power function** EFFCTV POWER

This function displays the working and total time connected and after 6 seconds, the nominal and effective power of the product.	WORKING TIME 000001h TOTAL TIME 000001h	POWER(W) 1600 EFFECTIVE POWER(W) 640

The effective power is the actual value of its nominal power that our product consumes during periods of operation.

- **Information**

Displays the software version, the date of this release and the rated power of the product. To access, select the Information option using the keys − and + and confirm pressing the button. To leave press MENU.	SOFTWARE VERSION V1.00 19/02/2015 POWER 770W

1.6.3. Balance submenu

The balance function returns the radiator to a constant 19°C. Access this submenu by selecting the from the main menu. By pressing this option, the radiator will return to the main screen in Manual function, with the temperature set to 19°C.	M 19.0 °C 10:50 1 2 3 4 5 6 7

1.6.4. Program submenu

This section, explains the operational aspects of the radiator in its various functions and modes.

What are the functions of Manual, Automatic and Pilot Wire Control?

Manual function

This function, allows you to change between Comfort, Eco and Anti-frost modes, and to change the temperature as described in point 1.3.

Automatic function

This function activates the programming that has been previously set in the radiator.

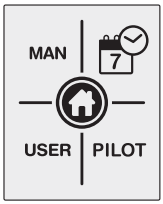
Pilot Wire function Not available in UK. Only upon demand

This function allows the radiator to be controlled by a central programmer.

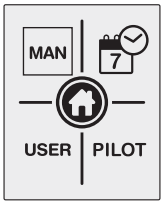
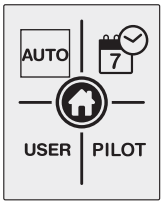
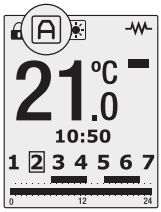
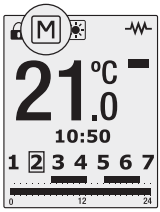
¿What are Comfort, Eco and Anti-frost modes?

These modes are the different temperature ranges available within the product.

Icon	Mode	Temperature range
	Comfort	From 19ºC to 30ºC
	Eco	From 7.5ºC to 18.5ºC
	Anti-frost	7ºC

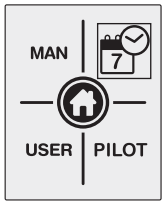
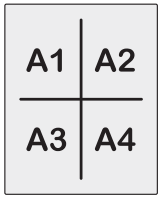
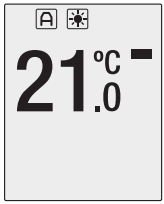
The submenu provides access to options related to programming the radiator. Select the from the main menu using the keys MENU and + and press the key ⏻ to enter. The icons represent the following:				
MAN / AUTO	7	**USER**	**PILOT**	
Manual / Automatic functions	Start programming	User function	Pilot wire mode (only upon demand)	

- **Manual / Automatic functions** MAN/AUTO

Press the button ⏻ to switch between manual and automatic functions.		
In the main screen the symbol A will appear for the Automatic function and the symbol M for the Manual function.		

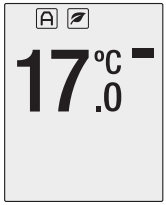
The automatic function activates the programming you have already established in the product.

- **Start programming**

To start programming select the icon by using the keys ⊖ and ⊕ and then press the ⏻ key.	
We must be in **AUTOMATIC MODE.** A screen for selecting one of the four initial programming or self programming	
With keys ⊖ and ⊕ is exchanged between presets and programming custom home. With ⏻ confirmed with key and screen appears with all 4 presets.	
1 ●●● Select COMFORT temperature Select the COMFORT mode temperature between 19ºC and 30ºC using the ⊖ and ⊕ buttons. The symbol ☀ and the temperature will flash.	

2 Select ECO temperature

Press ⏻ and proceed to the selection of the Eco temperature between 7.5ºC and 18.5ºC. The symbol 🍃 and the temperature will flash.



3 Select DAY

After pressing the button ⏻ once again, the days of the week will start flashing and show as DAY 1, DAY 2, DAY 3,...

We can go forwards and backwards using the button ⊖ and ⊕. Press ⏻ to select the day or days that you wish to program.

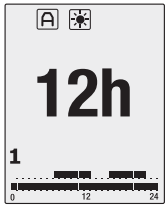
4 Set Mode to each HOUR

To access the hourly programming, press ⊕ until 0h appears on the main screen of the radiator.

This is midnight.

To move through the hours use the ⊖ or ⊕ buttons.

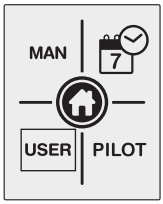
With the ⏻ button, you can select between Comfort, Eco and Anti-frost modes for every hour.



To finish the programming press MENU or leave it for 30 seconds without pressing any buttons.

To change the programming, go back to point 1, and proceed as described before.

- **User function** USER

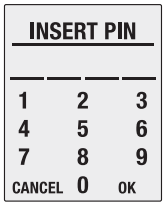
To enter the User function, select the icon USER using the − and + buttons and confirm by pressing ⏻ .	

USER function

This allows you to establish a working temperature range (i.e. a maximum temperature and a minimum temperature).

A 4 digit PIN code will allow you access to a menu: here this feature can be enabled or disabled, your PIN code can be changed and the parameters of the temperature range can be set.

When this mode is enabled, one of the following icons will appear on the main screen A M P depending on which mode it is currently in, Automatic, Manual or Pilot.

To access this feature enter the PIN code, the default PIN code is 0000. Enter the numbers using the buttons ⊖ and ⊕ and confirm by pressing ⏻. If the PIN is entered incorrectly the INCORRECT PIN screen will show.		

Once the PIN number has been entered correctly, the main control screen will be shown.

The icons access the different submenus shown below.

Enable/Disable function	Change password	Upper temperature limit	Lower temperature limit

- **Enable function**

Enable or disable the User function. With the Keys MENU and MAN AUT select ON to enable and OFF to disable. Once the desired option is highlighted press ⏻ to confirm and exit. On the main screen you will see the A icon in automatic function, the M icon in Manual function and P when in Pilot Wire control function.	USER FUNCTION ON OFF
At the top of the screen, the A icon will appear when in Automatic function and a M when in Manual function. If the P icon appears, the radiator will be set on Pilot Wire function.	21.0 °C 10:50 1 2 3 4 5 6 7 0 12 24

- **Changing the PIN code** ****

You can change the access PIN code for this feature. Use the ⊖ , ⊕, MENU and MAN AUT buttons. To introduce the current PIN code. To confirm select OK. The screen will show PIN CHANGED.	NEW PIN 1 2 3 4 5 6 7 8 9 CANCEL 0 OK	PIN CHANGED

- **Upper temperature limit**

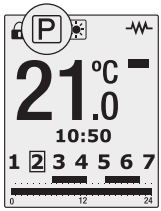
This sets the upper limit working temperature of the radiator. Using the (−) and (+) buttons scroll through until you reach your desired upper maximum working temperature. Press (⏻) to confirm and exit.	UPPER TEMPERATURE LIMIT 22.0ºC

- **Lower temperature limit**

This sets the lower limit of the working temperature of the radiator. Using the (−) and (+) buttons scroll through until you reach your desired lowest minimum working temperature. Press (⏻) to confirm and exit.	LOWER TEMPERATURE LIMIT 10.0ºC

To exit, press the (MENU) button or leave the radiator for 30 seconds.

- **Pilot wire mode** PILOT ⚠ Not available in UK. Only upon demand

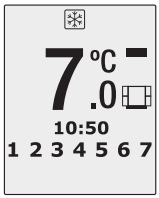
Allows you to enable or disable the Pilot wire control mode. With the keys (MENU) and (MAN AUT), select ON to activate or OFF to disable. Once the desired option is selected press the (⏻) to confirm and exit. In the main screen the symbol [P] will appear.	PILOT WIRE ON OFF	

The pilot wire mode allows your heating only to be controlled via a pilot wire programmer.

1.7. Open windows function

This function is activated when the temperature sensor detects a drop of 4ºC from the set temperature within 30 minutes.

On activation of this function, the following image will appear on the radiator display for 5 seconds:	

When the “Open Windows” function is activated, the radiator will move into Anti-frost mode 7ºC. The following screen will appear showing that the anti-frost mode is activated:	

This function will be active for 2 hours. If the button ⏻ is pushed during this period the radiator will switch off.
Pushing the button ⏻ again will switch on the radiator without the “Open window” function being switched on.

1.8. Fuzzy Logic Energy Control Technology

Fuzzy Logic Energy Control is a technology that bases its operation on thousands of micropulses being sent to the radiator to keep a stable temperature with a consumption as low as posible. When the symbol replaces the , then the Fuzzy Logic Energy Control technology is working.

2. INSTALLATION & MOUNTING

The radiator must never be installed directly below a power point. In bathrooms, the radiator must never be installed where the switches and other devices may be within the reach of someone in the shower or bathtub.

2.1. Mounting

The KYROS radiator works by means of natural air convection (Figure 1). In order to achieve optimal functioning and an even distribution of heat, the lower part of the radiator, once mounted on the wall, must be at least 10 to 12 cm from the floor, and 30 cm at the most.

As for the sides and above, a minimum distance of between 10-12 cm must be left from any wall or brickwork in order for it to function correctly (Figure 2).

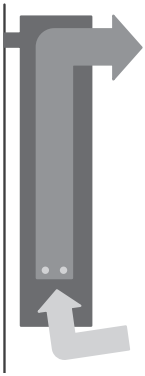


Fig. 1

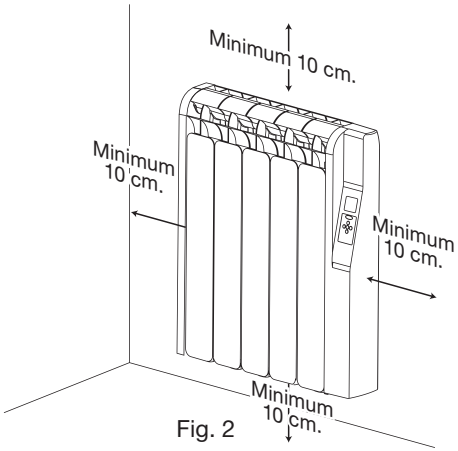
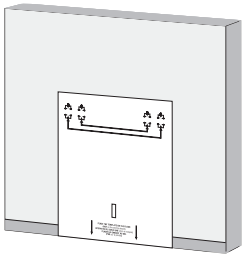
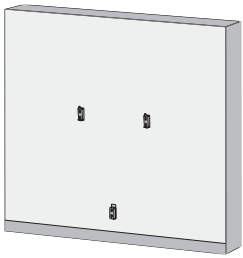
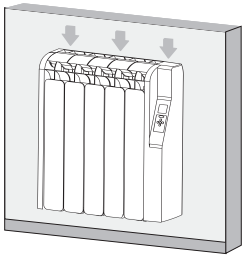


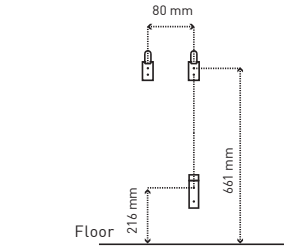
Fig. 2

2.2. Fixing the supports

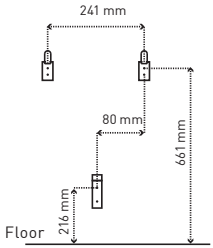
Inside the packaging you will find a fixing kit.

Choose the right part of the wall. Place the mounting stencil on the wall, marking the places for the holes.	
Remove the stencil and make the holes in the wall. Fix the supports using the plugs and screws provided, or others suitable for the wall type.	
Check the correct positioning of the lower support. Align the radiator with the top supports. Place the radiator in the supports.	

Installing template measurements depending on the model:



KRI0330RAD2



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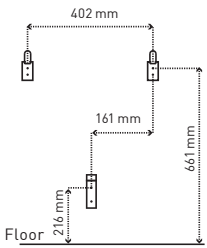

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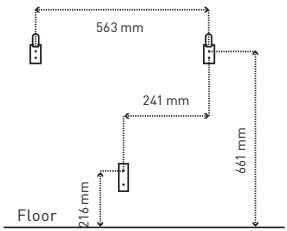

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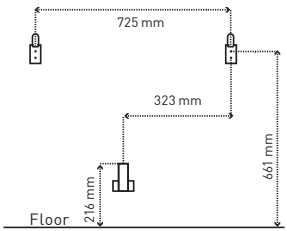

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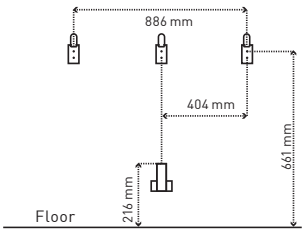

KRI1430RAD2/KRI1600RAD2

3. MAINTENANCE & CLEANING

The radiator does not require any type of maintenance. We recommend that all parts of the radiator are kept clean (behind, underneath, upper fins, etc.). Do not use any abrasive product on the aluminium. Clean it with a damp cloth and a pH neutral soap, and the stencil with a dry cloth.

4. INSTALLATION & SAFETY PRECAUTIONS (EN 60335 STANDARDS)

Before switching on the radiator, please read the “Installation & Safety Precautions” in detail first to ensure the correct operation of the radiator.

4.1. Installation precautions

The radiator is designed for household or residential use. You are advised to have the radiator installed by an authorized professional installer. Make sure the radiator is properly connected to 230V and is earthed.

4.2. Safety precautions

This appliance can be used by children aged from 8 years and above and persons with reduced physical sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been given instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be carried out by children without supervision. Children must be supervised at all times to ensure that they do not play with the product.

This radiator is filled with a precise amount of special oil that does not need any maintenance. Any repairs requiring the opening of the oil tank must only be done by ROINTE or its after-sales service personnel, who should also be notified should an oil leak be noticed. The regulations on discarding oil when the heater is being disposed of must be observed. If the power cable is damaged, it must be replaced by the manufacturer, its after-sales service or authorized personnel in order to avoid any damage.

WARNING! In order to avoid overheating, don't cover the heater. Don't insert any kind of object in the air vents. Never use with wet hands. Don't place any containers with water, such as glasses, vases, etc. on the radiator. Don't use insecticides, paints or aerosols on the radiator. Don't sit on the radiator or place anything in front of it.

European Directive 2012/19/UE

Under the European Directive 2012/19/UE on waste electrical and electronic equipment (WEEE), the apparatus cannot be disposed in the usual council bins and containers. They must be separated to optimize the recovery and recycling of all of the components and materials and reducing the impact to human health and the environment. The symbol of the container crossed out over a horizontal line is marked on all of ROINTE's products to remind the consumer of the obligation to separate them on disposal.

The consumer should contact the local authority or original point of sale to learn more about the correct disposal of this product.

5. GUARANTEE

In this section, we hereby describe the guarantee conditions which the buyer acquires on buying a new radiator of Rointe brand. These conditions comply with all the rights construed in the national legislation in force, as well as any additional rights and guarantees which are offered by Rointe brand.

5.1. Any incident that you might detect in your Rointe

radiator, can be sorted by the product seller or quickly by the manufacturer. Rointe provides a contact telephone for any technical support **01432 598 024** or the following email address **support@rointe.co.uk**, through which we will instruct you on how to solve the incident.

You will need to state the product reference (located on the label indicating product features), serial number, proof of purchase and the type of incident at hand when contacting us so that we can check the guarantee. In addition, please attach a copy of the product invoice.

5.2. Rointe guarantees that there are no material defects of design or manufacture at the time of original acquisition and guarantees the aluminium for a period of 240 months and 36 months for any electronic and electrical components.

5.3. If during the guarantee period, the product does not work correctly under normal use, and any design, material or manufacturing defect is found, ROINTE will repair or substitute the radiator as it may see fit, in accordance with the terms and conditions as follows:

5.3.1. The guarantee is only applicable if the original guarantee is issued by the seller and when the said guarantee is filled in correctly including product reference, series number (marked on the product's

label indicating technical features), purchase date and the seller's stamp.

ROINTE reserves the right to reject the guarantee service when this information has been removed or modified after the original product purchase.

5.3.2. The guarantee only applies to those cases that concern material, design and manufacturing defects, and under no circumstances covers damage to the radiator for the following reasons:

a) Incorrect use of the product, i.e. used for other purposes that are not construed as its normal use or for not respecting the instructions of use and maintenance given by Rointe as well as incorrect installation or use of the product that may not comply with the current technical standards of safety.

Corrosion caused by direct exposure to salt water is excluded from the guarantee. When the product is installed no more than 200m from the coast the guarantee for damages caused by corrosion the period will be reduced by 50%.

b) Any unauthorised repairs carried out by unauthorised technicians or opening of the radiator by unauthorised people.

c) Any accidents that are deemed outside the control of Rointe, such as lightning, fires, floods, public disorders, etc.

5.3.3. Any repairs or substitutions that are included in this guarantee do not allow any additions or new periods of guarantee.

5.3.4. Any repairs or substitutions covered under this guarantee must be parts that are functionally equivalent. The defective parts or parts removed or replaced shall become the property of Rointe.

5.4. The technical service of Rointe will advise you if you need to buy any parts not covered under the guarantee or out of guarantee.

5.5. This guarantee does not affect the buyer's legal rights stipulated in the current national legislation, nor affects those rights against the distributor or installer that could come forth in compliance with the purchase contract.

5.6. In the absence of a national legal legislation applicable, this guarantee shall prevail and may be construed as the buyer's only protection. Rointe, its offices, distributors and installers may not be held responsible for any accidental damage that emerges due to infringement of any rules implicitly related to this product.

KYROS

6. KYROS RADIATORS TECHNICAL CHARACTERISTICS

MODEL	NUMB. OF ELEM.	POWER	VOLTAGE	HEIGHT (mm)	WIDTH (mm)	DEPTH (mm)	INST. DEPTH (mm)	WEIGHT
KRI0330RAD2	3	330 W	230V~	580	350	98	120	10 kg
KRI0550RAD2	5	550 W	230V~	580	520	98	120	14 kg
KRI0770RAD2	7	770 W	230V~	580	680	98	120	18 kg
KRI0990RAD2	9	990 W	230V~	580	840	98	120	22 kg
KRI1210RAD2	11	1,210 W	230V~	580	1,010	98	120	26 kg
KRI1430RAD2	13	1,430 W	230V~	580	1,180	98	120	30 kg
KRI1600RAD2	15	1,600 W	230V~	580	1,330	98	120	34 kg

Cut along the dotted line

CERTIFICATE OF GUARANTEE

In the event of detecting any defect in the product within the period of guarantee, you must fill in the following Guarantee Certificate and send it to us stamped together with a copy of the sales invoice via email to **support@rointe.co.uk** or to the following postal address: INDUSTRIAS ROYAL TERMIC, S.L., C/E, Parcela 43, 30140 Santomera (Murcia, Spain).

For new constructions, it is essential that you attach the Certificate of First Occupation.

CERTIFICATE OF GUARANTEE	
REFERENCE:	Nº SERIES:
USER:	
HOME ADDRESS:	
TOWN:	POSTCODE:
PROVINCE:	COUNTRY:
TELEPHONE:	SELLER'S STAMP:
EMAIL:	PURCHASE DATE:

NB: This certificate of Guarantee must be filled in out in full in order to obtain guarantee rights. The date of purchase and seller's stamp are compulsory. Please, attach a copy of your sales invoices. In addition, for new constructions include the Certificate of First Occupation.

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F. 0208 953 5861

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www.rointe.co.uk

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