ecodesign

Rointe

KYROS Low consumption digital radiator / Radiador digital de bajo consumo / Radiador digital economizador de energia

EN

INSTALLATION AND USER MANUAL
Page 03

GUARANTEE / GARANTÍA / GARANTIA

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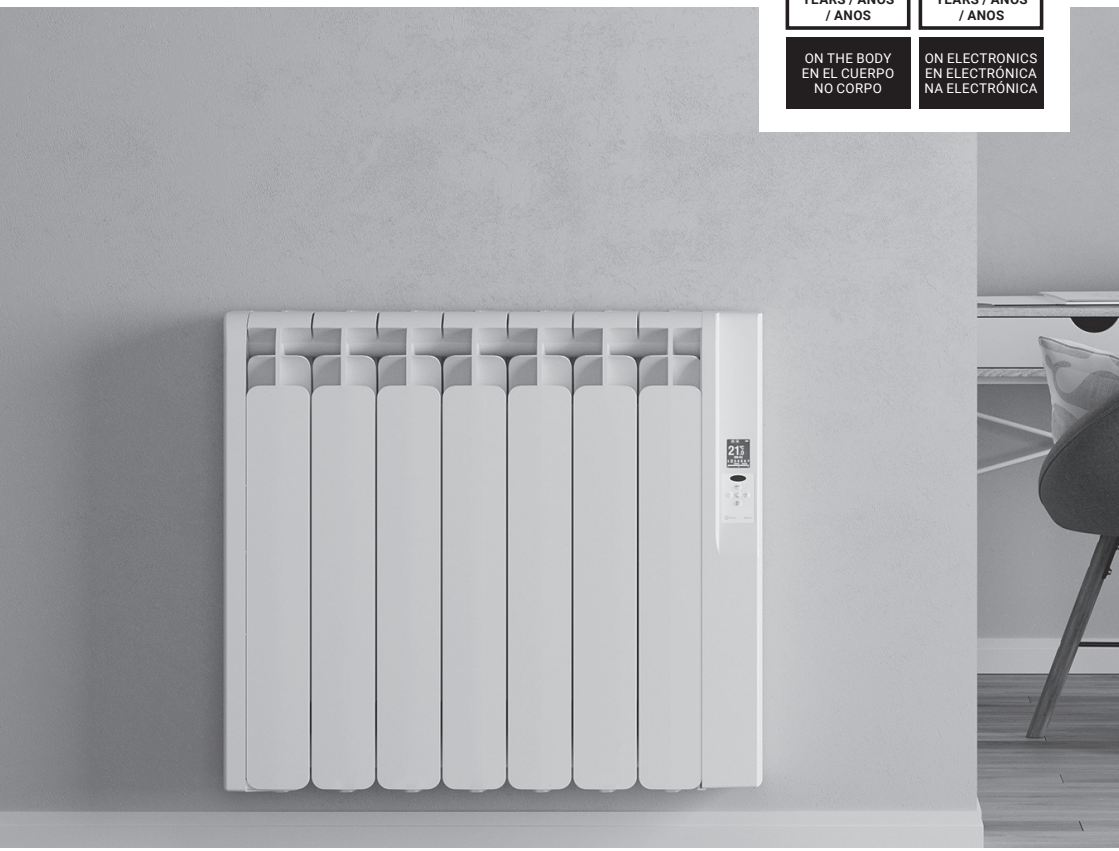
ON THE BODY EN EL CUERPO NO CORPO	ON ELECTRONICS EN ELECTRÓNICA NA ELECTRÓNICA



SYMBOLS

DANGER. This symbol indicates a medium-high risk hazard which can result in serious injury or even death.

DO NOT COVER. Do not dry or leave clothes or towels on the radiator. Do not leave or place magazines, spray cans, volatile substances, or similar objects within 250 mm of the radiator.

HOT SURFACE. This symbol indicates that your surfaces are hot during and immediately after use. These must not be touched: danger of burns.

OBSERVE THE INSTRUCTIONS IN THE MANUAL. Please read this manual carefully before installing and using the product. Keep it for later use. Read all instructions and safety warnings. Failure to follow these can result in electric shock, fire or serious injuries.

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1. GENERAL WARNINGS

⚠ WARNINGS

This product may be used by children over 8 years of age and by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge under strict supervision or instruction in the safe use of the product and if they understand the hazards involved. Children should not plug, adjust, clean, play with, or perform maintenance on this product. Children from the age of 3 years and under 8 years should only switch on/off the appliance when it has been placed or installed in its normal intended use position and when they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children from 3 years of age and under 8 years of age must not plug in, regulate, clean or service the appliance.

DO NOT use the product in enclosed spaces if the persons present cannot leave the room independently and are not under constant supervision.

DO NOT COVER. To avoid overheating, do not cover the radiator.

DO NOT place spray cans, volatile substances, or similar objects within 250mm of the product.
DO NOT use insecticides, paints, or chemicals on or near the product.

Some parts of this product could reach high temperatures and cause burns. DO NOT touch the external parts of the product when in operation.

DO NOT install near curtains or other flammable materials.
Particular attention should be paid when children and vulnerable people are present.

When using electrical appliances, precautions should be taken to reduce the risk of fire, electric shock and injury.
Never insert fingers, body parts or objects inside the product.

Make sure that the voltage indicated on the product's technical information corresponds to the voltage output you have at your socket.

Any repair or maintenance that requires the product to be opened the product must be carried out by personnel authorised by ROINTE, who must also be notified if a leak is observed. Only official spare parts approved by ROINTE should be used. Please observe the current and relevant regulations when disposing of this product and its thermal fluid.

If the power cable is damaged, it must be replaced by personnel authorised by ROINTE to prevent any damage.

To avoid the risk of suffocation, do not leave the packaging including bags and other items within reach of babies or children.

The product has an IP24 degree of protection and can be used in bathrooms, but not in the vicinity of bathtubs, taps, showers, water connections, toilets, swimming pools or other masses of water. The product must never be installed where it, the switches or the control panel are within the reach of people in the water. Never use the product with wet hands.
Do not place any water containers (glasses, vases, etc.) on or near the product.

IMPORTANT

- Disconnect the product from the power supply and make sure the product is at room temperature before any cleaning or maintenance. Do not use any abrasive substances on the product, such as (but not limited to) chemicals, coarse cloths, brushes, hard bristle, or wire/steel wool.

- To disconnect the product from the power source, remove the mains plug from the socket. Do not pull on the cable.

- ROINTE cannot be held responsible for incorrect sizing of the product unless it has been followed by an official ROINTE technical study.

- Before the first start-up, or before the start of winter, or when the product has not been used for many days, the appliance should be cleaned (follow the steps in the “maintenance” section of this manual).

- Do not sit or lean on the product.

- Temperature contrasts can generate “clicks” or noises in the device. This is not a fault of the product, but due to the expansion/contraction of the materials.

- When disposing of the product, the requirements set out in the legislation for the waste treatment and recycling must be followed. See WEEE in section 7.

2. TECHNICAL INFORMATION

MODELS	0330RAD3	0550RAD3	0770RAD3	0990RAD3	1210RAD3	1430RAD3	1600RAD3
Number of elements	3	5	7	9	11	13	15
DIMENSIONS, WEIGHTS & FINISHES							
Width (mm)	350	510	670	830	990	1,150	1,310
Height (mm)	580	580	580	580	580	580	580
Depth (mm)	95	95	95	95	95	95	95
Installed depth (mm)	118	118	118	118	118	118	118
Weight (kg)	7.7	12.2	16.4	20.1	24.1	27.8	32.1
Finish	White RAL 9016						
ELECTRICAL CHARACTERISTICS							
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
SAFETY & INSTALLATION							
Safety thermostat	✓	✓	✓	✓	✓	✓	✓
Protection Grade	IP24	IP24	IP24	IP24	IP24	IP24	IP24
Template & Installation Kit	✓	✓	✓	✓	✓	✓	✓
EAN CODE	8436045917256	8436045917263	8436045917270	8436045917287	8436045917294	8436045917300	8436045917317

3. INSTALLATION

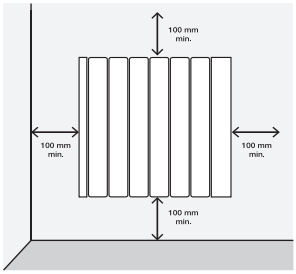
We recommend using a trusted Rointe supplier for installation of the product. Find the nearest one by calling us on **0203 321 5929** or using the locator on **www.rointe.co.uk.**

IMPORTANT: Prior to installation, please locate the metal tag located at the back of the product and note the product reference and serial number. You will need this information to register your guarantee. See section 9 for help on how to register the guarantee.

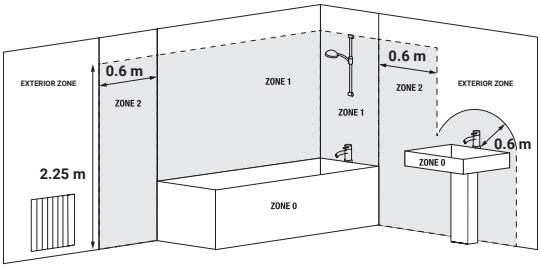
WARNING: Do not install the product directly over or under an electrical outlet or junction box. Do not install the product or use it outdoors. Do not install directly under a shelf. This product is designed to be installed on an interior wall using the ROINTE template, the installation kit and the fixings supplied. Do not install the product in such a way that it encounters the power cable.

The product must be mounted on the wall in the position shown in the accompanying image using the brackets and with the fixings supplied.

Our products transfer heat through the natural air convection. If the product is covered, this will disrupt the airflow and could cause overheating. It must be positioned in accordance with the minimum distances shown in the accompanying picture.



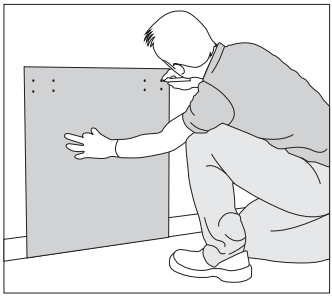
WARNING: The product has an IP24 degree of protection and can be used in bathrooms, but not in the vicinity of bathtubs, taps, showers, water connections, toilets, swimming pools or other masses of water. The product can only be installed in zone 3 of the accompanying picture. The product must never be installed where it, the switches or the control panel are within the reach of people in the water. Never use the product with wet hands. Do not place any water containers (glasses, vases, etc.) on or near the product.



An installation kit is included in the product packaging. You will need a drill, a rubber mallet, a spirit level and a pencil to complete the installation.

WARNING: The weight of some of the products may be heavy. The installation may require two people.

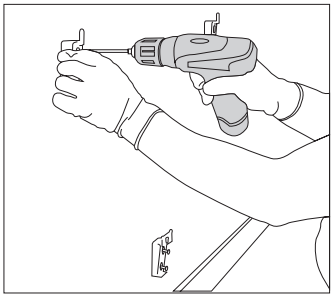
IMPORTANT: Please follow these instructions carefully.



1. Remove the packaging and check that the installation contains brackets, screws, rawl plugs and a cardboard template.

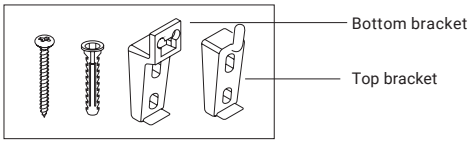
2. Select a suitable location on the wall. Place the template on the wall and mark the holes for the brackets and screws. Observe the minimum distance requirements from the previous page.

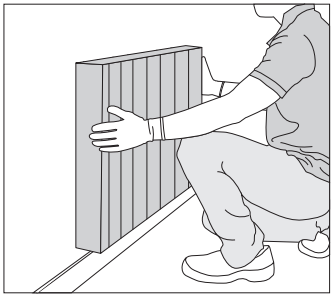
Use the floor as a base for the template, not the skirting board.



3. Remove the template and carefully drill out the marked holes.

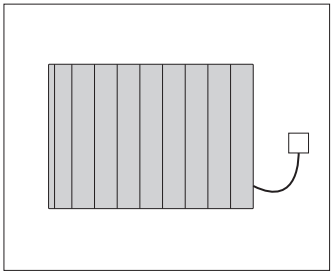
4. Secure the upper brackets with the rawl plugs and screws provided. Then fix the lower bracket. **To distinguish it, the lower bracket has a different design from the top ones.**





5. Slide the product up and down over the fixed brackets.

6. Check the straightness with a spirit level and adjust the supports accordingly if necessary.

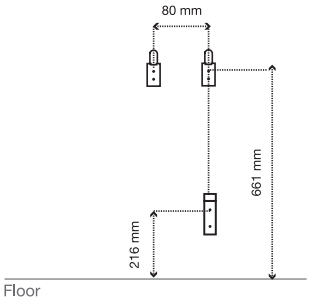


7. Connect your product to the power supply and switch it on.

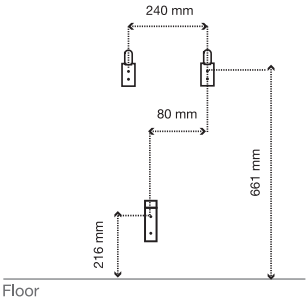
8. See section 5 for operating instructions.

IMPORTANT: Measurement template per model.

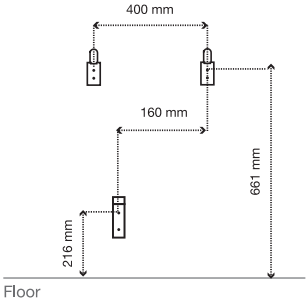
KR*0330RAD3



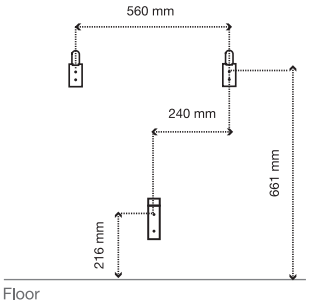
KR*0550RAD3



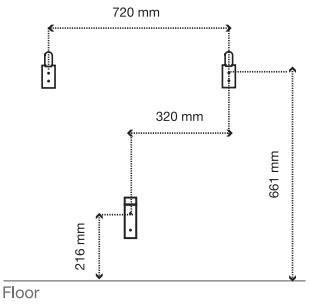
KR*0770RAD3



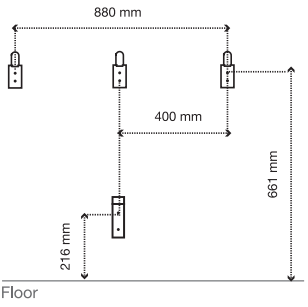
KR*0990RAD3



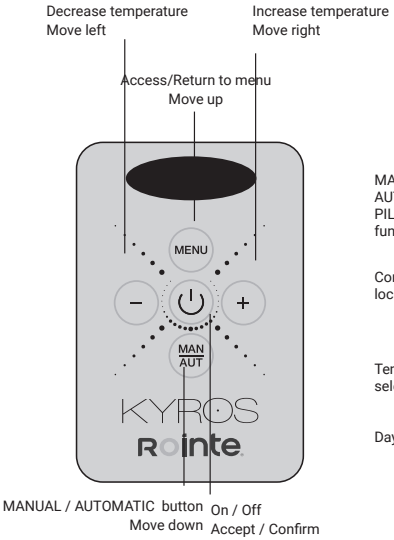
KR*1210RAD3

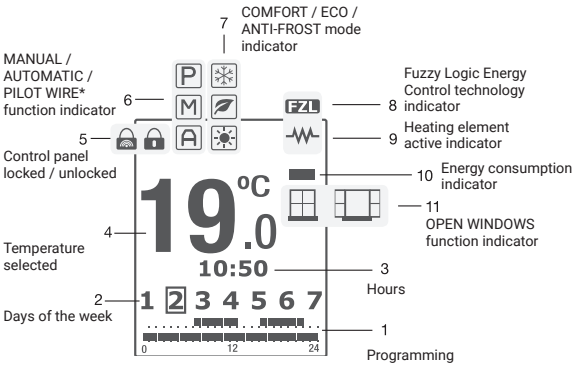


KR*1430RAD3 / KR*1600RAD3



4. SCREEN & KEYPAD

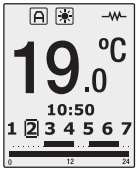




SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	OPEN WINDOWS function - active no detection		AUTOMATIC function - active
	OPEN WINDOWS function - active, detection		MANUAL function - active
	Energy consumption status - green / amber / red		PILOT WIRE function - active *** Only on demand.**
	Heating element - active		AUTOMATIC function - active when USER mode active
FZL	Fuzzy Logic Energy Control technology active		MANUAL function - active when USER mode active
	COMFORT mode - active		PILOT WIRE function - active when USER mode active *** Only on demand.**
	ECO mode - active		Control panel locked through keypad
	ANTI-FROST mode - active		Control panel locked through remote

5. FUNCTIONALITY & PROGRAMMING

5.1. ON / OFF (STAND BY)

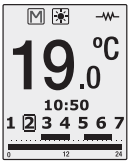
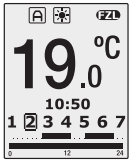
To switch the product on, please press the ⏻ button on the keypad once.	
After 3 seconds the temperature, time and weekday display is shown.	
To switch the product off, please press the ⏻ button again once. The product will go into stand-by mode with the word 'STAND-BY' displayed on the display panel. After 3 seconds the Rointe logo will appear.	

5.2. ADJUST THE DAY & TIME

Press the menu button MENU to access the main menu. Use the − and +, (left and right respectively), select the configuration submenu 🛠, and press the button. Press the ⏻ button to access.	
Now use the − and + buttons again to select the clock option 🕒 and press ⏻ to access.	

Use the ⊖ and ⊕ buttons to set the hour and then press ⏻ to confirm. Then use the ⊖ and ⊕ buttons to set the minutes and press ⏻ to confirm. Finally, use the ⊖ and ⊕ buttons to set the day (1 = Monday, 2 = Tuesday etc.) and confirm by pressing the ⏻ button. Te screen will automatically revert to the main one or wait 30 seconds for it to do so.	

5.3. ADJUST THE TEMPERATURE

To decrease the temperature press the ⊖ button and to increase the temperature press the ⊕ button. When the room temperature is lower than the set temperature on the display panel, the product will come on with the ⏦ symbol appearing in the top right of the display panel.	
When the Fuzzy Logic Energy Control technology is activated the symbol FZL will replace the heating element active symbol ⏦ in the top right of the screen.	

5.4. LOCK THE CONTROL PANEL

You can lock the keypad from the product or from a Rointe remote control (sold separately).

To lock the keypad manually, please hold and press the ⊖ button AND the ⊕ button TOGETHER for 3 seconds. The 🔒 symbol will appear on the display panel and the keys will not respond.To unlock the keypad manually, please hold and press the ⊖ button AND the ⊕ button TOGETHER for 3 seconds. *To lock the keypad using a remote control, please see the corresponding instruction manual for the remote control separately.	
When locked from the remote control, the remote keypad lock icon 🔒 will appear on the screen. When pressing any key on the product, the image on the right will be displayed on the screen. The remote keypad lock can only be unlocked from the remote control.	

5.5. MAIN MENU

To access the main menu of your product, press the (MENU) button. o move through the various submenus that appear, use the (−) and (+) buttons.

The selected option will be highlighted with a flashing frame; to access the selected submenu, press the (⏻) button.

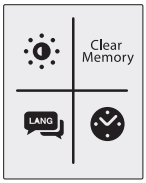
The icons that allow you to enter the different submenus are listed below:

Settings	Energy	Equilibrium	Programming

5.6. MAIN MENU: SUBMENU SETTINGS

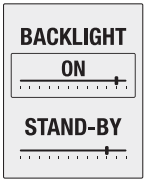
The settings submenu adjusts four technical parameters of your product. To access it, select the icon in the main menu and confirm by pressing the (⏻) button. The screen on the right will appear and you can move through the different submenu options using the (−) and (+) buttons.
The following icons allow access to the different submenus explained below:

Screen brightness	Clear memory	Language	Time



• Adjust display backlight brightness

This allows you to change the brightness of the display panel in both the STAND-BY and ON modes separately. To change the brightness of the display panel ensure the icon is highlighted and press the (⏻) button to confirm. Then with the (MENU) and (MAN AUT) buttons you can switch between the two modes.
With the (−) and (+) buttons you can increase or decrease the brightness as you wish. The cursor indicates the intensity of the light. Once you have set the required brightness press the (⏻) button to save and exit.



• **Clear the memory**

This allows you to clear any information saved in your product.

To clear the memory ensure the Clear Memory icon is highlighted in the 'Settings' sub-menu and press the ⏻ button to confirm.

The display panel will show when completed and the language will change to default.

• **Change the language**

To change the language of your product, ensure the LANG icon is highlighted in the 'Settings' sub-menu and press the ⏻ button to access.

Use the MENU and MAN/AUT buttons to move up or down respectively until your chosen language is highlighted and confirm by pressing the ⏻ button.

• **Adjust the day and time**

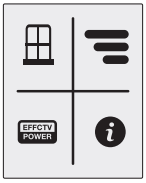
This function sets the hour, minute and day of the week from the product itself. To set the time and day, please go to section 5.2.

5.7. MAIN MENU: ENERGY SUB-MENU

The 'Energy' sub-menu provides access to functions related to energy management of the product. To access, select the icon displayed in the Main Menu screen and press ⏻ to confirm.

Use the − and + buttons to move across the different options on the sub-menu to choose your function and press ⏻ to confirm.

The below icons displayed on the screen take you to the following functions:



OPEN WINDOWS function	Energy Consumption status	Effective Power function	Information

• OPEN WINDOWS function

This option allows you to activate or deactivate the WINDOWS OPEN function. Using the and buttons (MENU) and (MAN-AUT), select ON to activate and OFF to deactivate. Once the desired option has been selected, press (⏻) to confirm and exit.

This function is activated when there is a drop of at least 4°C in the room temperature within 30 minutes. This normally occurs when a window is left open, allowing warm air to escape and wasting energy. If this occurs, your product will automatically activate the Anti-freeze mode for 2 hours. To deactivate this function, press the on/off button.

• Energy Consumption status

To check the current consumption status of your product, ensure the icon is highlighted in the 'Energy' sub-menu and press the (⏻) button to access.

The display panel will then show a status according to the current state of consumption of the product:

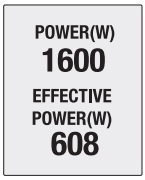
Up to 40%
effective power

40% - 60%
effective power

More than 60%
effective power

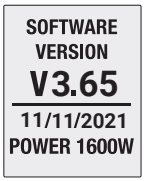
• Effective Power function

To check the Power status of your product, make sure the EFFCTV POWER icon is flashing in the 'Energy' submenu and press the (⏻) button to access. This option shows on the display the actual consumption time of the product and the total time during which our product is connected to the mains. After a few seconds without pressing any button, the display will show the nominal power and the effective power of the product. The effective power corresponds to the average power value that our product actually consumes during operation.



• **Information**

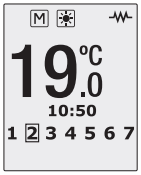
This function will display the software version, the date of this release and the rated power of the product. To access this information, ensure the icon is highlighted in the 'Energy' sub-menu and press the button to confirm. The information will then show in the display panel



5.8. MAIN MENU: EQUILIBRIUM / BALANCE SUB-MENU

The 'Balance' sub-menu/function returns the product to a constant temperature of 19°C. To activate this function ensure the icon is highlighted in the 'Balance' sub-menu and press the button to confirm.

The product will return to the display panel in MANUAL function, with the temperature set to 19ºC.



5.9. MAIN MENU: PROGRAM SUB-MENU

This section explains the operational aspects of your product in its various functions and modes.

What are the functions of MANUAL, AUTOMATIC and PILOT WIRE functions?

MANUAL	This function allows you to change the product between the COMFORT, ECO and ANTI-FROST modes and to change the temperature (see section 5.3.).
AUTOMATIC	This function will activate the programming that has previously been set in the product.
PILOT WIRE	This function allows the product to be controlled by a central programmer. * Not available in UK. Only on demand*

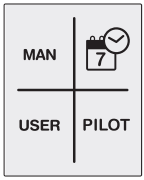
What are the COMFORT, ECO and ANTI-FROST modes?

COMFORT	ECO	ANTI-FROST
From 19ºC to 30ºC	From 7.5ºC to 18.5ºC	7ºC

The 'Program' sub-menu provides access to functions related to programming the product. To access, select the icon displayed in the Main Menu screen and press ⏻ to access.

Use the − and + buttons to move across the different options on the sub-menu to choose your program and press ⏻ to access.

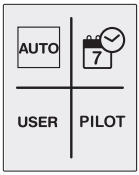
The icons displayed on the screen take you to the following functions:



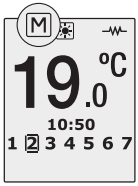
MAN / AUTO		USER	PILOT
MANUAL / AUTOMATIC functions	Programming options	USER mode	PILOT WIRE function * Not available in UK. Only on demand.*

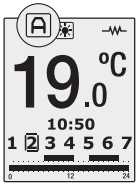
5.9.1. MANUAL / AUTOMATIC FUNCTIONS

To change or choose the MANUAL or AUTOMATIC function, ensure the **MAN/AUTO** icon is highlighted in the 'Program' sub-menu and press the ⏻ button to confirm. You can change from AUTOMATIC to MANUAL and vice versa by pressing the ⏻ button again.



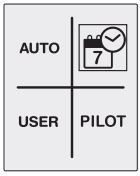
On the display panel, the symbol A will appear for the AUTOMATIC function and the symbol M for the MANUAL function.





5.9.2. PROGRAMMING OPTIONS

To access the programming options, ensure you are in the 'Program' sub-menu, then select the icon by using the − and + buttons and then press the ⏻ button once the icon is highlighted.



The display panel will show 2 options:

- PRE-PROGRAMS: one of the four pre-set schedules.
- START PROGRAMMING: to set a personalised programming and change the values of the COMFORT and ECO modes.

A flashing line will appear around the option that is selected. To change the option use the ⊖ and ⊕ buttons and press the ⏻ button to confirm.

Start programming for AUTOMATIC function

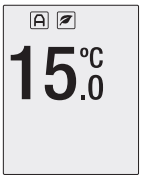
To program the AUTOMATIC mode, see points above and ensure that START PROGRAMMING is highlighted. Press the ⏻ button to access and the display panel will show a flashing screen.

STEP 1 - Select COMFORT mode temperature

☀ COMFORT mode will be programmed first. Select the COMFORT mode temperature between 19ºC and 30ºC using the ⊖ and ⊕ buttons. The ☀ icon and the temperature will flash. Press the ⏻ button to confirm.

STEP 2 - Select ECO mode temperature

ECO mode will be programmed next. Select the ECO mode temperature between 7.5ºC and 18.5ºC. The icon and the temperature will flash. Press the ⏻ button to confirm.



STEP 3 - Select the Days

The days of the week will start flashing on the display panel and show as DAY 1, DAY 2, DAY 3 etc.

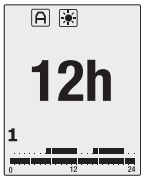
Use the ⊖ and ⊕ buttons to move forwards or backwards through the days. Press ⏻ to select the day or days that you wish to include in your AUTOMATIC program. The day will stop flashing once selected. Repeat for all the days you wish to program and once all days are selected press the button ⊕ to move onto setting the hour.

STEP 4 - Select the Hours

Once step 3 has been completed, 0h appears on the display panel. 0h is equal to midnight. Use the (−) or (+) buttons to select the hour you wish to change. Use the (⏻) button to change the mode (COMFORT, ECO or nothing) for the hour you wish to modify. The corresponding icon for that mode will appear at the top of the screen. To finish the programming press (MENU) or leave for 30 seconds without pressing any buttons. To change the programming go back to step 1 and proceed as described before.

*If you wish to have individual days with different programming within your program you will need to modify each day separately, starting from the Main Menu again for each day/days. Follow Steps 1 to 4 above to program multiple differing days/hours/temperatures.

If you want to activate the anti-frost mode in the hours that do not have COMFORT or ECO mode, from the main screen of the radiator and in automatic mode, press the key (+). If you want to reverse this action, press (MENU).



- **PRE-PROGRAMS**

To activate a PRE-PROGRAM for your product ensure that PRE-PROGRAM is highlighted in the `Program´ sub-menu. Press the (⏻) button to confirm and the display panel will show 4 programs for you to choose from: A1, A2, A3 and A4.

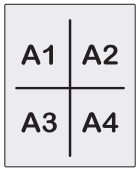
Using the (−) and (+) buttons, choose the program you wish to activate and once highlighted, press the (⏻) button to confirm. You will then be automatically taken back to the main display panel and your pre-program option will show on the screen to confirm it is active.

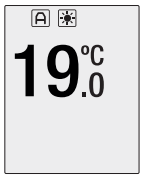
To MODIFY any of the pre-set programs:

You need to be in AUTOMATIC mode and select the pre-program you want to modify i.e. your product must be working/have the pre-program already activated you wish to modify.

Then ensure that START PROGRAMMING is highlighted. Press the (⏻) button to access and the display panel will show a flashing screen. You then need to follow STEPS 1 - 4 on pages 11 & 12 to modify the temperature/day/hours.

*If you wish to have different days with different programming within your program you will need to modify each day separately, starting from the Main Menu again for each day/days. Follow STEPS 1 - 4 on pages 11 & 12 to program multiple differing days/hours/temperatures.





• **Pre-installed programmes schedule:**

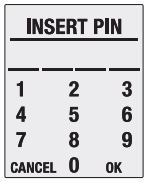
PROGRAM	A1		A2		A3	A4	
TIME / DAY	Mon - Fri	Sat - Sun	Mon - Fri	Sat - Sun	Mon - Sun	Mon - Fri	Sat - Sun
00:00							
01:00							
02:00							
03:00							
04:00							
05:00							
06:00							
07:00							
08:00							
09:00							
10:00							
11:00							
12:00							
13:00							
14:00							
15:00							
16:00							
17:00							
18:00							
19:00							
20:00							
21:00							
22:00							
23:00							

	COMFORT
	ECO
	ANTI-FROST

5.9.3. USER MODE

To enter the USER function, ensure the **USER** icon is highlighted in the 'Program' sub-menu and press the ⏻ button to access. A 4-digit PIN code is required in order to access the menu. The default PIN is 0000.

To enter the PIN use the − and + and MENU and MAN/AUT buttons to move left, right, up or down to select the correct numbers, pressing ⏻ after each number is highlighted to confirm. Once the full 4 digits have been entered, move to OK on the display panel and press the ⏻ button to confirm. Once the PIN number has been entered correctly, the main USER function sub-menu will be shown.



The below icons displayed on the screen take you to the following functions:

⏻	****		
ENABLE / DISABLE functions	Change PIN	Upper temperature limit	Lower temperature limit

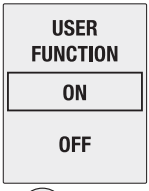
- **Enable / Disable functions**

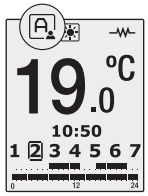
To access the Enable/Disable function, ensure the ⏻ icon is highlighted in the 'Program' sub-menu and press the ⏻ button to access.

Use the MENU and MAN/AUT buttons to move up and down respectively to select ON to enable or OFF to disable. Once the desired option is highlighted press the ⏻ button to confirm. Use the MENU button to go back to the main display panel or leave for 30 seconds without pressing any buttons.

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 function.

***PILOT WIRE function not available in UK. Only on demand.**





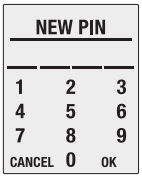
• Change the PIN code

To change the PIN code of your product, ensure the **** icon is highlighted in the 'Program' sub-menu and press the ⏻ button to access.

Use the − and + and MENU and MAN/AUT buttons to move left, right, up or down to select the new numbers, pressing ⏻ after each number is highlighted to confirm.

Then move to OK on the display panel and press the ⏻ button to confirm. The screen will show PIN CHANGED.

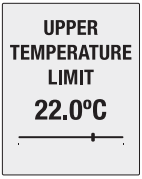
Please remember your new PIN code for the future and store in a safe place. In order to access the USER function menu again you will need your new PIN code.



• Upper temperature limit

To set the upper temperature limit of your product ensure the icon is highlighted in the 'Program' sub-menu and press the ⏻ button to access.

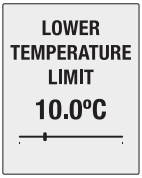
Use the − and + buttons to decrease or increase your desired upper temperature between 19ºC to 30ºC and press the ⏻ button to confirm. You will then return to the USER function screen. To exit press the MENU button to go back to the main display panel or leave for 30 seconds without pressing any buttons.



• Lower temperature limit

To set the lower temperature limit of your product ensure the icon is highlighted in the 'Program' sub-menu and press the ⏻ button to access.

Use the − and + buttons to decrease or increase your desired lower working temperature between 7.5ºC to 18.5ºC and press the ⏻ button to confirm. You will then return to the USER function screen. To exit press the MENU button to go back to the main display panel or leave for 30 seconds without pressing any buttons.



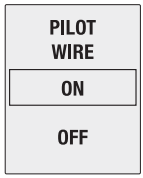
• PILOT WIRE function (*Not available in UK. Only on demand.)

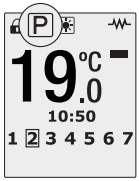
The PILOT WIRE function allows your heating only to be controlled via a pilot wire programmer.

To access the PILOT WIRE mode, ensure the **PILOT** icon is highlighted in the 'Program' sub-menu and press the ⏻ button to access.

Use the MENU and MAN/AUT buttons to move up and down respectively to select ON to enable or OFF to disable. Once the desired option is highlighted press the ⏻ button to confirm. Use the MENU button to go back to the main display panel or leave for 30 seconds without pressing any buttons.

On the main display panel the symbol P will appear.





5.10. ENERGY SAVING FUNCTIONALITIES

• Tecnología FUZZY LOGIC ENERGY CONTROL

Fuzzy Logic Energy Control is a technology developed by Rointe to improve the energy management required to maintain a stable temperature, analyzing its variations with an accuracy of ±0.25 ºC and sending micro electrons to the heating element that transfer the heat to the atmosphere in the most efficient way. When the ⊸W⊸ icon on the display panel is replaced with the FZL icon, then the Fuzzy Logic Energy Control technology has been activated and is working.

When the symbol FZL replaces the symbol ⊸W⊸, then the FUZZY LOGIC ENERGY CONTROL technology is in operation.

• Temperature/efficiency setting indicator

The temperature setting indicator is shown on the product display to indicate what temperature level has been set in the programming, which directly affects your consumption. A green indicator means that the temperature is set between 7 - 18.5ºC. A red indicator is between 25ºC - 30ºC. This indicator appears automatically and cannot be altered manually.

6. MAINTENANCE AND CLEANING

The product does not require any maintenance. We recommend cleaning the product (back, bottom of the product, etc.). Do not use abrasive substances on the product, clean it with a damp cloth and neutral pH soap and the screen with a dry cloth. Before carrying out any cleaning operation, make sure that the product is switched off and at room temperature.

7. EUROPEAN REGULATION (WEEE) 2012/19/EU

Based on the European regulation 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE), these appliances cannot be thrown in the usual council bins; they must be collected selectively to optimise the recovery and recycling of the components and materials that make them up, and reduce the impact on human health and the environment. The crossedout wheelie bin symbol on a horizontal bar is marked on all ROINTE products to remind the consumer of the obligation to separate them for separate collection. The consumer should contact the local authority or the retailer for information regarding the correct disposal of their product.

8. GUARANTEE

1. Agreement

1.1. This section describes the guarantee conditions available to the buyer when purchasing a new product of the Rointe brand. These conditions include all the rights that the buyer has in accordance with current national legislation, as well as the guarantee and additional rights offered by the brand. Any incident detected in your Rointe product can be dealt with by the seller of the product or in a more agile way through the manufacturer itself.

1.2. Rointe offers you Technical Assistance from our After-Sales Service by telephone at +44 (0)203 321 5929 or email to support@rointe.co.uk, where we will indicate the steps to follow to solve the incident. You will need the product reference (located on the metal characteristics label), serial number, date of purchase and the nature of the fault when contacting us. In addition, you must have a copy of the proof of purchase of the product.

1.3. ROINTE guarantees there are no material defects of design or manufacture at the time of original purchase. ROINTE guarantees the body for 120 months (10 years) and the electrical plus electronic components for 36 months (3 years) for this product only, from the date of purchase, or delivery if later, provided it has not been modified, and in accordance with the provisions of the following stipulations.

2. Conditions

2.1. If during the guarantee period, the product under normal use, and with proper maintenance, fails to function properly and is found to be defective in design, material, or workmanship, it will be repaired or replaced at the customer's option, in accordance with the provisions of the law, and subject to the following terms and conditions:

2.1.1. The guarantee is only applicable if the original guarantee is issued by the seller and when such guarantee has been registered with Rointe correctly, including the product reference, serial number (marked on the metal label of the product), date of purchase and proof of purchase. The product guarantee can be registered on our website at www.rointe.co.uk or can be emailed to support@rointe.co.uk within 90 days of installation. ROINTE reserves the right to refuse a guarantee when this information has been removed or modified after the original product purchase.

2.1.2. The guarantee is only applicable if the product has been installed by a competent person in accordance with this installation manual and all regulations in force at the time of installation.

2.1.3. The guarantee is only applicable to those cases that refer to defects in material, design and manufacture, and in no case covers damage to the product for the following reasons:

i) Damage caused by negligence and/or misuse of the product, i.e. used for purposes other than its normal use, or by not respecting the instructions for use, maintenance and cleaning given by ROINTE, as well as by incorrect or inadequate installation or use of the product that may not comply with the technical safety standards in force.

ii) Corrosion of any part of the product caused by direct exposure to saltwater. Where the product is installed within 200 m of the coast, the guarantee period for damage caused by corrosion shall be reduced by 50%.

iii) Any unauthorised modifications or repairs to the product carried out by third parties or unauthorised persons, or the opening of the product by third parties or unauthorised persons.

iv) Any accident deemed to be beyond ROINTE's control, such as (but not limited to): lightning, fire, flood, natural disasters, public disorder, atmospheric or geological phenomena, and all those of a similar nature.

v) Failures resulting from incorrect installation. In case of doubt, please contact ROINTE.

2.2. Any repair or replacement carried out as part of this guarantee service does not allow for extension periods or new guarantee periods, i.e. your guarantee will not be extended in the event that a repair or replacement of this product is carried out, but will be suspended until the product is returned repaired or a new one is delivered.

2.3. Any repair or replacement covered by this guarantee must be a functionally equivalent part. Defective parts or parts removed or replaced shall become the property

of ROINTE and must be returned as such.

2.4. The product must be installed in such a way as to allow access by ROINTE technicians or authorised persons in the event that they need to access the product for repair or maintenance. The user/customer is responsible for the organisational means necessary to allow access to the products by ROINTE for repair or replacement.

2.5. ROINTE's Technical Support department will advise you if you need to purchase any parts not covered by this guarantee or outside of this guarantee.

2.6. This guarantee will not be valid if the product has been tampered with, modified and/or repaired in any way and/or by unauthorised persons. This guarantee will also not be valid if the product is not correctly installed.

2.7. This guarantee is not transferable and does not include claims for limescale or frost damage.

2.8. This guarantee does not affect the purchaser's statutory rights under applicable national legislation, nor does it affect any rights contracted with the dealer or installer that may arise in performance of the contract of sale.

2.9. ROINTE, its offices, employees, distributors and installers shall not be liable for any incidental damages arising from the infringement of any rule implied in this product, as well as for its improper or incorrect use.

2.10. Check the EULA conditions (supplied with the product for Wi-Fi connected products) for information on the legal agreement you accept when installing a ROINTE product. For product or guarantee assistance, please contact ROINTE by telephone at +44 (0)203 321 5929 or by email to support@rointe.co.uk.

9. HOW TO REGISTER YOUR PRODUCT GUARANTEE

IMPORTANT: It is important that you register your ROINTE product as part of our guarantee service, in case you wish to make a claim.

You can register your ROINTE product in the following ways:

WEB

1. Go to https://rointe.com/uk/register-your-guarantee/
2. Log in to your existing account or create a new account if necessary.
3. Click on "My products".
4. Enter your product reference (alphanumeric and in capital letters).
5. Enter your serial number (26 digits located on the metal tag of your product starting with 84).
6. Upload your proof of purchase, such as your invoice in PDF, JPEG or PNG format. This is not mandatory, but doing so ensures that your warranty period is accurate.
7. Click on "Register".
8. Congratulations! Your product is now registered.

EMAIL

1. Send an email to support@rointe.com with the following information:

- Customer name
- Address and postcode
- Telephone number and email address
- Product reference
- Serial number
- The date of purchase of the product and proof of purchase (as described in the WEBSITE section above).
- Our technical support team will confirm product registration and request any additional information needed by email.

POSTAL

1. Send the information listed in the EMAIL section to:

- INDUSTRIAS ROYAL TERMIC, S.L. - Rointe, C/E Parcela 43, 30140, Santomera (ESPAÑA).

2. Please ensure you obtain proof of postage.

ERP. REGLAMENTO DE LA COMISIÓN (EU) 2015/1188

ITEM	SYMBOL	UD.	0330RAD3	0550RAD3	0770RAD3	0990RAD3	1210RAD3	1430RAD3	1600RAD3
HEATING POWER / POTENCIA CALORÍFICA / PODER DE AQUECIMENTO									
Nominal heat output / Potencia calorífica nominal / Produção nominal de calor	P_{nom}	kW	0,3	0,6	0,8	1,0	1,2	1,4	1,6
Minimum heating capacity (indicative) / Potencia calorífica mínima (indicativa) / Produção mínima de calor (indicativo)	P_{min}	kW	N.A.*	N.A.*	N.A.*	N.A.*	N.A.*	N.A.*	N.A.*
Maximum continuous heat output / Potencia calorífica máxima continuada / Máxima saída de calor contínua	$P_{max,c}$	kW	0,3	0,6	0,8	1,0	1,2	1,4	1,6
AUXILIARY ELECTRICITY CONSUMPTION / CONSUMO AUXILIAR DE ELECTRICIDAD / CONSUMO DE ELECTRICIDADE AUXILIAR									
Nominal heat output / Potencia calorífica nominal / Produção nominal de calor	^{el}MAX	kW	0,330	0,550	0,770	0,990	1,210	1,430	1,600
Minimum heating capacity (indicative) / Potencia calorífica mínima (indicativa) / Produção mínima de calor (indicativo)	^{el}MIN	kW	0,330	0,550	0,770	0,990	1,210	1,430	1,600
In stand-by / En modo de espera / Em modo de espera	^{el}SB	kW	0,0006	0,0006	0,0006	0,0006	0,0006	0,0006	0,0006
TYPE OF HEAT OUTPUT/INDOOR TEMPERATURE CONTROL / TIPO DE CONTROL DE POTENCIA CALORÍFICA / DE TEMPERATURA INTERIOR / TIPO DE SAÍDA DE CALOR/ CONTROLO DE TEMPERATURA DO AR									
Electronic indoor temperature control and weekly timer / Control electrónico de temperatura interior y temporizador semanal / Controlo electrónico da temperatura interior e temporizador semanal			SI	SI	SI	SI	SI	SI	SI
OTHER CONTROL OPTIONS (SEVERAL CAN BE SELECTED) / OTRAS OPCIONES DE CONTROL (PUEDEN SELECCIONARSE VARIAS) / OUTRAS OPÇÕES DE CONTROLO (VÁRIAS PODEM SER SELECCIONADAS)									
Indoor temperature control with open window detection /Control de temperatura interior con detección de ventanas abiertas / Controlo da temperatura interior com detecção de janela aberta			SI	SI	SI	SI	SI	SI	SI
With adaptive start-up control / Con control de puesta en marcha adaptable / Com controlo adaptativo de arranque			SI	SI	SI	SI	SI	SI	SI
With operating time limitation / Con limitación de tiempo de funcionamiento / Com limitação de tempo de funcionamento			SI	SI	SI	SI	SI	SI	SI
SEASONAL ENERGY EFFICIENCY PERFORMANCE /RENDIMIENTO DE EFICIENCIA ENERGÉTICA ESTACIONAL / DESEMPENHO DE EFICIÊNCIA ENERGÉTICA SAZONAL	η_s		38%	38%	38%	38%	38%	38%	38%

DECLARATION OF CONFORMITY / DECLARACIÓN DE CONFORMIDAD / DECLARAÇÃO DE CONFORMIDADE

The company / la compañía / a empresa, ROINTE,
Pl. Vicente Antolinos - C/E, parcela 43, 30140, Santomera (Murcia) España

CE

Declares under his responsibility / declara / declara:

Product / producto / produto: Rointe KYROS

Models / modelos / modelos: KR*0330RAD3, KR*0550RAD3, KR*0770RAD3, KR*0990RAD3, KR*1210RAD3, KR*1430RAD3, KR*1600RAD3

General specifications / especificaciones generales / especificações gerais: 230VAC, 50Hz, IP24, CLASE I

To which this declaration relates is in conformity with the provisions of the following relevant Standard(s)/Specification(s)/Directive(s): / A la que se refiere esta declaración es conforme a las disposiciones de las siguientes Norma(s) / Especificación(es) / Directiva(s) pertinente(s) / A que esta declaração se refere está em conformidade com as seguintes disposições Norma(s)/ Especificação(ões)/Directiva(s) relevante(s):

ErP Directive 2009/35/EU	UE 2015/1188
LVD Directive 2014/35/EU	EN 60335-1:2012. Annexes A11:2014; A13:2017 EN 60335-2-30:2010. Annexes A11:2012
EMC Directive 2014/30/EU	EN 55014-1:2017 / EN 55014-2:2015 EN 62233:2008 + AC:2008
RoHS Directive 2011/65/EU	EN 62321-1:2013 / EN 50581:2012

The company declares that the above equipment has been designed to comply with the relevant sections of the above specifications. The equipment complies with all applicable essential requirements of the Directives.

La empresa declara que los equipos arriba mencionados han sido diseñados para cumplir con las secciones pertinentes de las especificaciones nombradas anteriormente. Los equipos cumplen con todos los requisitos esenciales aplicables de las Directivas.

A empresa declara que o equipamento acima referido foi concebido para cumprir com as secções pertinentes das especificações acima referidas. O equipamento cumpre com todos os requisitos essenciais aplicáveis das directivas.

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