ELNUR

Fully Compliant With NHS Guidelines

LOW SURFACE TEMPERATURE PRODUCT INSIDE

THERMAL INERTIA RADIATORS

Gabarrón

Manufacturing Excellence

ELNUR HISTORY

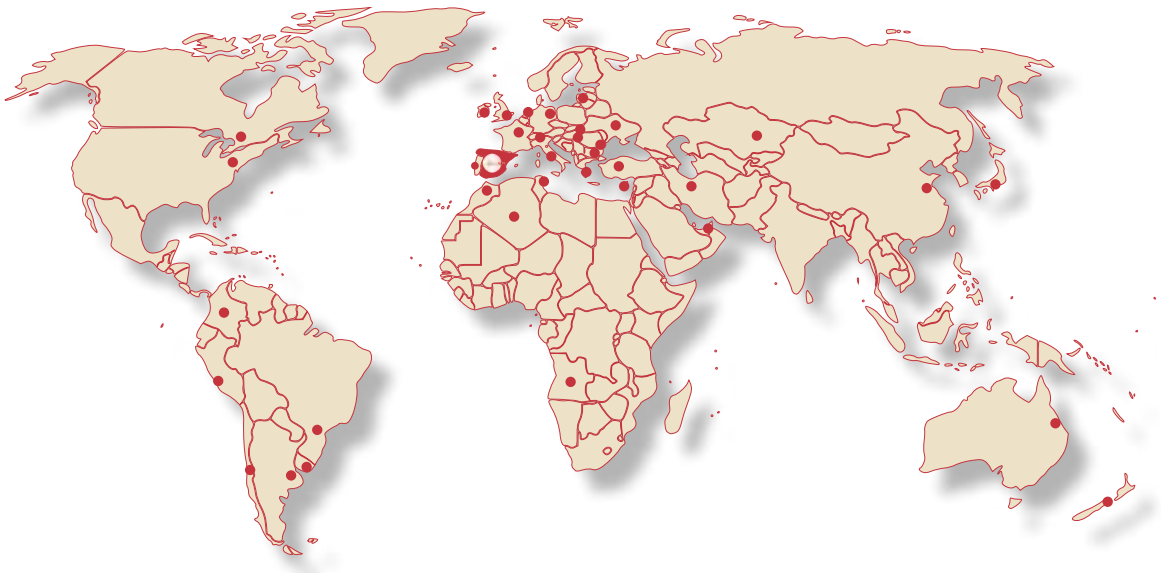
ELNUR was founded in 1973 and since then, we have established ourselves as one of the leading European providers of the most efficient heating system in the world: electric heating.

With facilities spanning over 20,000 m^2, an extensive general and technical team and a complete range of products developed to meet the highest expectations of our customers. At ELNUR we provide you with the most efficient solutions in an ever-changing world.

40 years on, we maintain the same enthusiasm and commitment to offering a wide range of unique products which can cater to the varying needs of our customers, wherever in the world they may be.

With a commercial presence in more than 35 countries, and a strong exclusive distribution network in 15 of these, we have gained a presence in thousands of homes, always offering the best solution in electric heating.

Our greatest wish is for our customers to have the luxury of experiencing excellence by using GABARRÓN products, which are guaranteed to bring real warmth and comfort to your home.



"Let us invite you to meet ELNUR and experience the values and benefits that our GABARRÓN products will bring to your life."

QUALITY

ELNUR is fully committed to quality. We therefore have complete control over the whole manufacturing processes in the company. Some of our international certifications are:

ISO 9001

ISO 9001: 2008 Quality Control Management System, which certifies the implementation and maintenance of the system through a cycle of continuous improvement in the performance of its procedures in all areas of the company, with the aim of achieving greater customer satisfaction..

ISO 14001

ISO 14001: 2004 Environmental Management System, which guarantees that our procedures are developed in accordance with environmental care and respect throughout the production process, from the initial design to the final stages of manufacturing.

CUSTOMER SERVICE

A product manufactured in accordance with the highest level of quality performance deserves to be complemented by excellent service. At ELNUR, all departments are customer-focused, offering quick and efficient solutions to any problems that may arise. If you have any queries, please email us at esales@elnur.co.uk or call us to the following telephone number 01942 670119.

AFTER-SALES TECHNICAL SUPPORT

ELNUR's job does not finish when the goods are dispatched. We are committed to initial development, manufacturing and customer service. And this customer service includes a professional after-sales service. We have an Authorised Technical Services Network providing effective technical assistance all over the country, irrespective of the location or the product. Do contact us at technical@elnur.co.uk

PROJECT MANAGEMENT

We know that many concerns may arise when it comes to evaluating your project requirements. Our Projects Department will advise you on each of the areas of your project and will offer you the best solution, taking into account potential options so that you can suggest a number of different alternatives to the end customer. Please contact us at projects@elnur.co.uk

PROFESSIONAL ADVICE

In this department you can get the assistance you need in order to solve any technical concerns you may have. We will provide direct and personalised assistance, offering the support necessary to resolve any issues with installing or setting up any of our products. Email us at advice@elnur.co.uk

SUSTAINABILITY

ELNUR is totally committed to working and manufacturing in accordance with the appropriate certification under the Environmental Management System.

GABARRÓN ranges do not produce gases or fumes, nor do they directly emit any pollutants to the environment when operating.

TECHNICAL DETAILS THAT MAKE THE DIFFERENCE

100% EFFICIENCY

ELNUR's quest for continuous improvement has driven us over the years to invest in innovation and development to obtain maximum efficiency and performance in GABARRÓN products. As a result of these research efforts and use of the most advanced technology, we have achieved excellent performance in our products and perfect temperature management control. The use of highly sensitive thermostats, raw materials and other high-quality components, together with exclusive design and configuration, is what defines the unique performances of GABARRÓN products, providing the comfort desired by the customer at minimum cost.

Patented system using EcoSeco technology. The heat transmitter, covering all of the radiator's interior, allows the heat to be dispersed evenly over the surface.

In the radiators that use ecoSeco patented technology, the interior is composed of a heat transmitter specifically designed to disperse the heat evenly over the entire surface of the appliance.

Traditional system with thermal fluid.

With radiators using ecofluid Technology, thermal inertia is also achieved through the use of an injected aluminium structure with thermal fluid inside, specifically designed to disperse the heat over its entire surface.

In both technologies the heat transference to the room is perfectly distributed.

The THERMAL INERTIA is the quantity of heat that a body can keep and the speed of this body to transmit and absorb this heat. It will depend on its mass, materials and its conductivity.

The thermal inertia offered by GABARRÓN's radiators has allowed them to increase their efficiency due on the one hand to the heat that their body is able to store and on the other hand, the support of one of the two technologies used together providing a perfect calorific performance.

GABARRÓN EcoFluid radiators guarantee 125W heat in each element. Gabarrón aluminium radiators have up to 30% more in aluminium injected material and up to 20% more thermal fluid in each element than other similar products in the market. This allows us to dissipate the heat more efficiently to the room avoiding dangerous high temperature surfaces.

Additionally, this also allows us to reduce the number of elements and the overall radiator size. It also equates to a reduction in the number of radiators in an installation, resulting in lower initial cost investment.

HIGH QUALITY COMPONENTS

Everybody talks about the concepts of “efficiency” and "low consumption”. Therefore, the less energy a product consumes, the happier customers will be, since it means saving money on a daily basis, which will consequently result in more significant long-term savings.

However, taking into account that most electrical heating systems offer 100% energy efficiency, as shown below, how can we ensure energy savings across different electric heating systems? Furthermore, what about when it comes to similar systems from different manufacturers?

100% EFFICIENCY → **1 WATT CONSUMED = 1 WATT OF ENERGY PRODUCED**

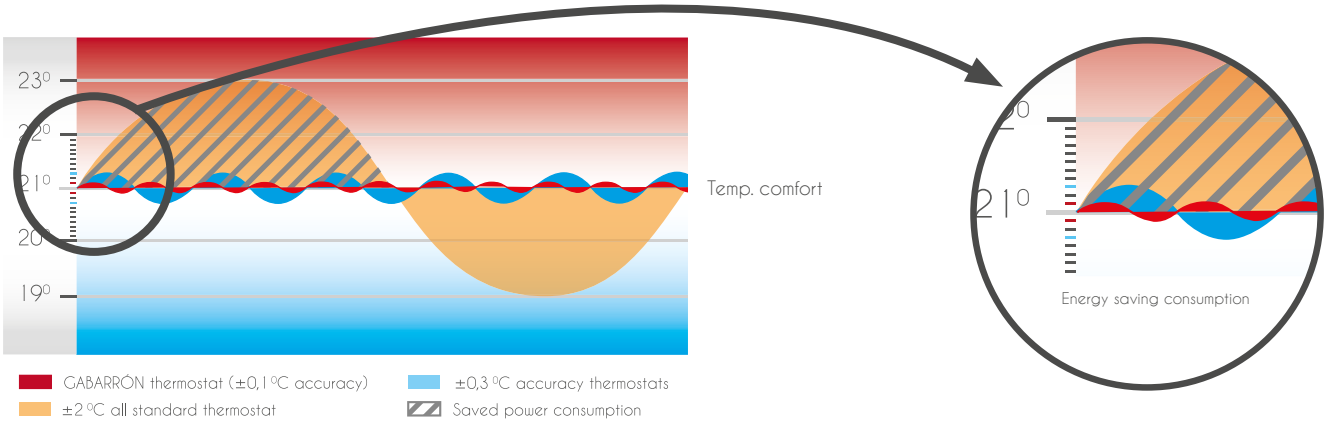
The key is accurate temperature control management. A heater that provides the desired temperature in a particular room is not enough; it has to achieve this using as little energy as possible.

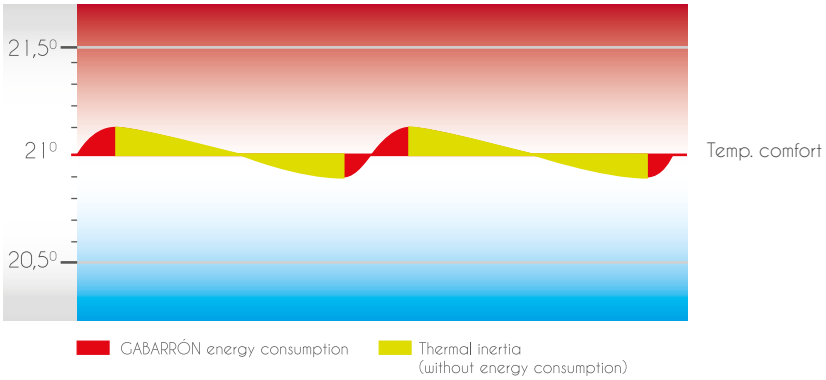
Large fluctuations in room temperature lead to higher energy demand, since a change in room temperature of 1ºC means that the heater must start again and take the extra time required to reach a comfortable temperature again.

Thanks to the highly accurate thermostat and to the thermal sensitivity that GABARRÓN radiators offer, these large temperature fluctuations are avoided. Our radiators offer one of the most efficient thermal variations in the industry, with a ± 0.1ºC accuracy compared with other manufacturers (± 0.3ºC) or even other traditional room temperature control systems, which can have an accuracy of ± 2ºC.

If to this accurate temperature control system we add the concept of thermal inertia, on the basis of which all GABARRÓN radiators are able to function, levels of performance as well as energy consumption improve considerably.

If we avoid large temperature fluctuations and manage to maintain an adequate thermal stability, we will reduce the inefficient use of energy.



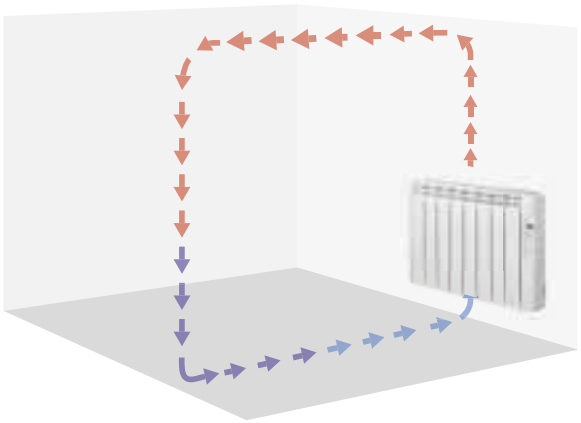


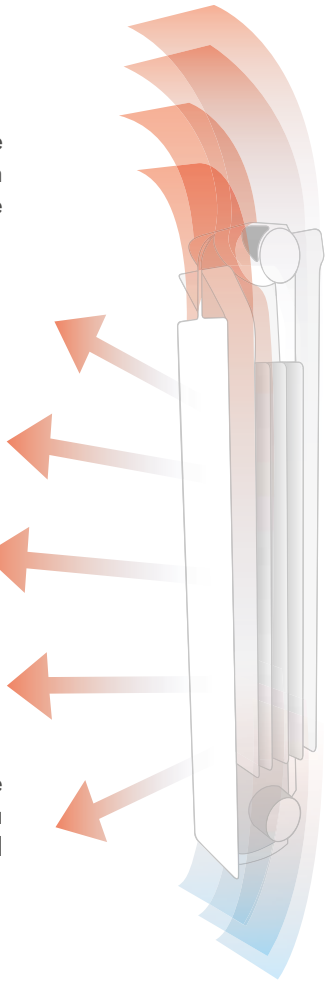
Energy consumption that we avoid thanks to perfect temperature control.

These results are valid for rooms with insulation and stable enclosures.

IMMEDIATE COMFORT

In addition to the heat convection feature, GABARRÓN radiators transmit heat using the entire front surface of the appliance, achieving a rapid transfer of heat to the whole room and a high level of comfort... Once again, thanks to their thermal inertia, GABARRÓN radiators are able to maintain this comfortable temperature over a much longer period of time.

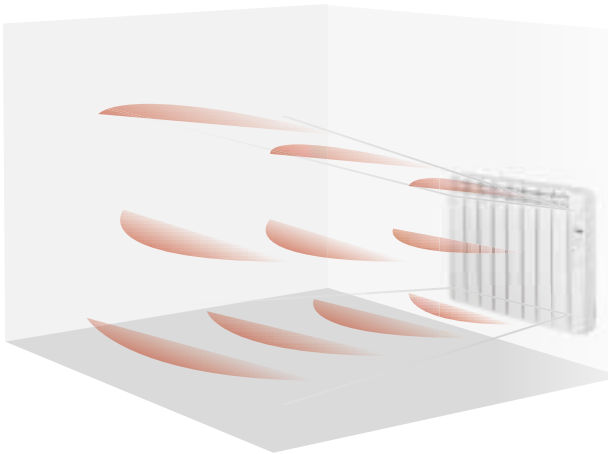




In comparison with other heating systems, such as convectors, GABARRÓN radiators consume far less electricity, saving up to 40% in energy costs. This is due not only to the thermal inertia properties key to their construction, but also to how quickly a comfortable temperature is reached with their larger heat transfer surface area.

TECHNOLOGY AND REGULATION ADAPTED TO YOUR NEEDS

At ELNUR we strive every day to meet the highest expectations of our customers. Therefore, with our wide range of GABARRÓN radiators we are able to offer different technologies and different control options to cover all the needs and demands of our customers.



ecofluid Technology

GABARRÓN radiators based on EcoFluid technology use a thermal fluid specifically designed to provide a better and more rapid heat distribution over the entire surface of the appliance. This fluid is environmentally friendly since it contains no carbonisable substances, it is not corrosive, and its composition is very stable and neutral.

ecoseco Technology

The EcoSeco technology patented by ELNUR does not use any type of thermal fluid. Instead it generates heat via a primary heat transmitter, and the energy generated from this is captured by a secondary transmitter made of injected aluminium, which diffuses it, and increasing the surface area over which the heat extends.

In both technologies, natural air convection through the aluminium elements supplements the direct transmission of heat from its surface, allowing a perfect distribution of heat in each room.

TOTAL CONTROL IN YOUR HANDS

The RKSL series of thermal radiators with control management give the user the option to take advantage of the wide range of individual/centralised settings available with this model through the use of a remote control. Its infrared remote control allows for program configuration and other settings. With four function modes all the radiators in the different rooms of your home can be quickly set to the same or different temperatures as required.

TPG-IR remote control

ETCO
Electronic Triac Control Optimiser

ETCO micro processor is the latest technology in electric control consumption. This electronic optimizer actually manages and restricts the flow of electricity to the heating elements on the basis of the information taken from the thermostat.

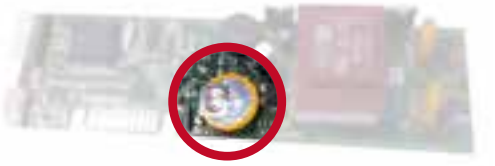
ETCO - Electronic Triac Control Optimiser.

SECURITY SYSTEM WITH ONE-YEAR MEMORY BACKUP FEATURE

The development of our own technology has enabled us to incorporate in our RF and RX ranges a Security System with a memory backup to 12 months. This feature is key, since if one appliance is disconnected from the mains supply for a period of between three and ten minutes (depending on the manufacturers), the time and consequently the programming of the appliance will be lost, and the appliance will not work until this time is re-programmed.

This exclusive GABARRÓN feature will prevent loss of programming due to:

- Accidental disconnections.
- Forced disconnections during summer.
- Programmed disconnections by the action of external accessory devices installed to obtain energy savings, such as automatic devices used to open windows, presence detectors, etc…



1-year memory back up device.

PATENTED WALL FIXING BRACKETS

At ELNUR we are constantly aware of the need to improve the operation and performance of our GABARRÓN radiators, and to do everything to facilitate the work involved and guarantee excellent results when fitting these appliances.

With our patented wall fixing brackets the installation engineers can quickly fix the brackets to the wall in the appropriate place and without any measuring or levelling problems.

Patented safety wall fixing brackets
for ease of installation

CONTROL SETTINGS

All GABARRÓN radiators have been designed with different setting systems based on digital electronics to meet the requirements of different users according to their needs.

These types of settings can be analogue, digital or programmable. Their control can be individual (regulating the appliance directly) or centralised (using carrier current or pilot wire technology).

CENTRALISED AND INDIVIDUAL KEYBOARD CONTROLS

These digital electronic controls allow for the individual setting of each appliance or the centralised setting of the entire system using pilot wire or carrier current technology by means of a programmable central control unit.

These central control units will enable you to control the operation and programming of different radiators located in different areas of the house. The RK range of GABARRÓN radiators, in both EcoFluid and EcoSeco technologies, has this type of control setting.

INDIVIDUAL KEYBOARD CONTROL

These electronic controls have been designed to manage the operation of each radiator independently. They enable simple and intuitive use and can be programmed on a daily or weekly basis. All GABARRÓN radiators have individual control keyboards.

RKSHi built-in control

RKSL built-in control

RFP built-in control

RFE built-in control

RADIATOR ACCESSORIES

PG4Z, MAINS BORNE PROGRAMMABLE MULTI-ZONE THERMOSTAT

Suitable for:
- RKSHi and RKSL models.

TPG-IR INFRA RED REMOTE CONTROL

Suitable for:
- RKSL model.

WIRELESS ENERGY SAVER

ELW904

ELW830

Suitable for:
- RF, RX and RKSHi ranges.

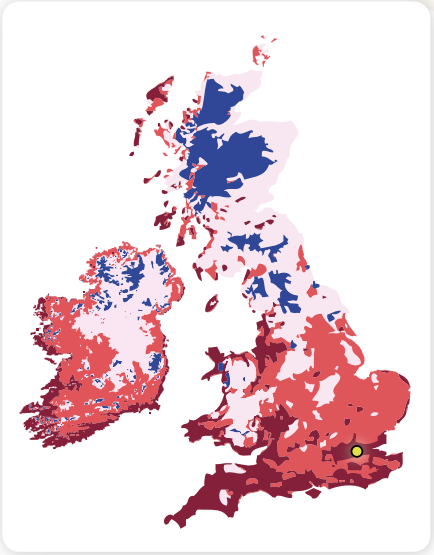
THERMAL MAPPING AND HEAT LOSS CALCULATION IN THE UK AND IRELAND

The table below shows recommended figures that will help to calculate the power requirement in kWatts to install GABARRÓN Thermal Inertia Radiators in the UK and Ireland.

To calculate the theoretical heat loss in a room it is necessary to match the room floor area with the total length of outside walls of this room. We should install the inertia thermal radiator with the power immediately above the theoretical power obtained.

In bedrooms and kitchens it is possible to reduce the theoretical power required by 20%. But in the same way, all rooms located in a top floor would be recommended to increase the theoretical power by 20% too.

These figures have been developed to get a comfort temperature of 21ºC.



ELECTRIC THERMAL INERTIA RADIATORS

The table below shows which Electric Thermal Inertia Radiator in kWatts is best suited for the area you are looking to heat. All you need is the floor area and total outside wall length to calculate your radiators.

Floor Area m^2	Temp. to obtain ^0C	TOTAL LENGTH OF OUTSIDE WALL (Mtr)											
		1.5m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m
Up to $3m^2$	21ºC	0.50	0.50	0.75	0.75	0.75	1.00						
	18ºC	0.50	0.50	0.50	0.75	0.75	1.00						
Up to $6m^2$	21ºC	0.50	0.75	0.75	1.00	1.00	1.00	1.25	1.25				
	18ºC	0.50	0.50	0.75	0.75	0.75	1.00	1.25	1.25				
Up to $9m^2$	21ºC	0.75	0.75	1.00	1.00	1.00	1.25	1.25	1.50	1.50	2.00		
	18ºC	0.75	0.75	0.75	1.00	1.00	1.00	1.25	1.25	1.50	1.50		
Up to $12m^2$	21ºC	0.75	1.00	1.00	1.00	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00
	18ºC	0.75	0.75	1.00	1.00	1.25	1.25	1.25	1.50	1.50	2.00	2.00	2.00
Up to $15m^2$	21ºC	1.00	1.00	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25
	18ºC	1.00	1.00	1.00	1.25	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00
Up to $18m^2$	21ºC	1.00	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25	2.25
	18ºC	1.00	1.00	1.25	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00
Up to $21m^2$	21ºC	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25	2.25	2.50
	18ºC	1.00	1.00	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00
Up to $24m^2$	21ºC	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.25	2.50	2.50	2.50
	18ºC	1.25	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.25	2.25
Up to $27m^2$	21ºC	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.25	2.50	2.50	2.50	2.75
	18ºC	1.25	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.25	2.25	2.50
Up to $30m^2$	21ºC	1.50	2.00	2.00	2.00	2.00	2.25	2.25	2.50	2.50	2.75	2.75	3.00
	18ºC	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00	2.25	2.50	2.50	2.50

RKSHi RANGE

Digital control with pilot wiring and CPL mains borne programming options

Technical features

- Blue backlight LCD display.
- Keyboard lock.
- Digital temperature selector for displaying real temperature and set up temperature.
- Built-in electronic ambient thermostat ± 0,1ºC.
- Adjustable digital thermostat.
- Electronic Triac control optimizer ETCO.
- Thermal safety cut out.
- Class II insulation.
- Three-level temperature selector: Comfort, Economy and Frost-protection.
- Rear mounted On-Off switch.
- Ratings from 500 to 2000W.
- Stylish aluminium body finished in epoxy powder coating RAL 9010.
- Fitted with mains cable.
- Patented safety wall fixing brackets for ease of installation.
- Compatible with four or six orders PILOT WIRE multi-zone central controller, GIFAN standard.
- Compatible with CPL mains borne (X2D protocol) multi-zone central controller PG-4Z, offered as accessory.

NF ÉLECTRICITÉ IECEE CB SCHEME CE

MODEL		RKS4Hi	RKS6Hi	RKS8Hi	RKS10Hi	RKS12Hi	RKS14Hi
Num. of modules		4	6	8	10	12	14
Length	cm	41.5	57.5	73.5	89.5	105.5	122
Depth*	cm	10	10	10	10	10	10
Height	cm	58	58	58	58	58	58
Weight	kg	7.5	10.5	13	15.5	18	23
Input	W	500	750	1000	1250	1600	2000
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
Frecuency	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Units per pallet							
- 1300x800	mm	36	24	24			12
- 1200x1000	mm						
- 1300x1100	mm				24	24	
EAN 13		8432336412431	8432336412455	8432336412479	8432336412493	8432336412516	8432336412530

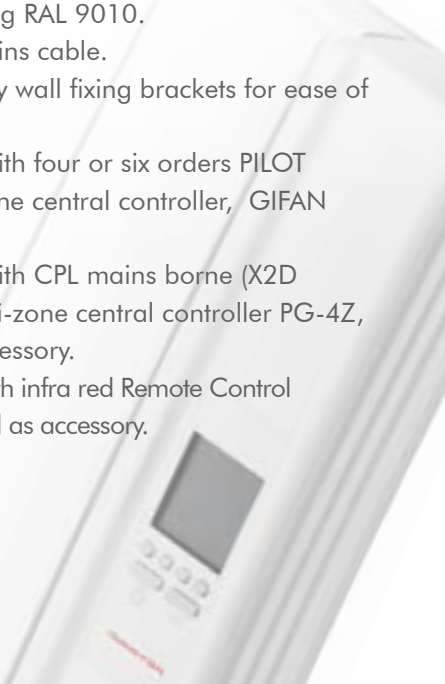
*Plus 2cm separated from the wall

RKSL RANGE

Digital control with built-in programmer and options for pilot wire and CPL mains borne central programming

Technical features

- Blue backlight LCD display.
- Keyboard lock.
- Digital temperature selector for displaying real temperature and set up temperature.
- Weekly / daily programmer.
- Adjustable digital thermostat.
- Built-in electronic ambient thermostat ± 0,1ºC.
- Thermal safety cut out.
- Class II insulation.
- Electronic Triac control optimizer ETCO.
- Three-level temperature selector: Comfort, Economy and Frost-protection.
- Rear mounted On-Off switch.
- Ratings from 500 to 2000W.
- Stylish aluminium body finished in epoxy powder coating RAL 9010.
- Fitted with mains cable.
- Patented safety wall fixing brackets for ease of installation.
- Compatible with four or six orders PILOT WIRE multi-zone central controller, GIFAN standard.
- Compatible with CPL mains borne (X2D protocol) multi-zone central controller PG-4Z, offered as accessory.
- Compatible with infra red Remote Control TPG-IR, offered as accessory.



NF ÉLECTRICITÉ IECEE CB SCHEME CE

MODEL		RKS4L	RKS6L	RKS8L	RKS10L	RKS12L	RKS14L
Num. of modules		4	6	8	10	12	14
Length	cm	41.5	57.5	73.5	89.5	105.5	122
Depth*	cm	10	10	10	10	10	10
Height	cm	58	58	58	58	58	58
Weight	kg	7.5	10.5	13	15.5	18	23
Input	W	500	750	1000	1250	1600	2000
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
Frecuency	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Units per pallet							
- 1300x800	mm		24	24			
- 1200x1000	mm	36					12
- 1300x1100	mm				24	24	
EAN 13		8432336412554	8432336412572	8432336412592	8432336412615	8432336412639	8432336412653

*Plus 2cm separated from the wall

RXE RANGE

Digital control with programmer

Technical features

- Flat lockable keyboard for easy cleaning.
- Built-in electronic ambient thermostat ± 0,1 ºC.
- Adjustable digital thermostat.
- Three-level mode temperature selector: Comfort, Economy and Frost-protection
- Digital display for Clock, Selected temperature, Room temperature, weekly/daily programming, etc.
- Electronic Triac control optimizer ETCO.
- Thermal safety cut out.
- Class I insulation.
- On-Off switch built-in to front fascia.
- Ratings from 500 W to 2000 W.
- Steel body with extruded aluminium front and upper panel finished in epoxy powder coating RAL 9010.
- Fitted with mains cable.
- Patented safety wall fixing brackets for ease of installation.
- Compatible with our wireless window contact energy saver system, offered as accessory.

MODEL		RX4E	RX6E	RX8E	RX10E	RX12E	RX14E
Num. of modules		4	6	8	10	12	14
Length	cm	41.5	57.5	73.5	89.5	105.5	121.5
Depth*	cm	10	10	10	10	10	10
Height	cm	58	58	58	58	58	58
Weight	kg	8	11	13.5	16	19	22
Input	W	500	750	1000	1250	1500	2000
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
Frecuency	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Units per pallet							
- 1300x800	mm						12
- 1200x1000	mm		24	24			
- 1300x1100	mm	36			24	24	
EAN 13		8432336408649	8432336408663	8432336408687	8432336408700	8432336408724	8432336408748

*Plus 2cm separated from the wall

RXP RANGE

Analogue control

Technical features

- Analogue temperature selector and working mode.
- Built-in electronic ambient thermostat ±0,1 ºC.
- Electronic Triac control optimizer ETCO.
- Three-level mode temperature selector: Comfort, Economy and Frost-protection.
- Ratings from 500 W to 2000 W.
- Thermal safety cut out.
- Class I insulation.
- On-Off switch built-in to front fascia.
- Steel body with extruded aluminium front and upper panel finished in epoxy powder coating RAL 9010.
- Fitted with mains cable.
- Patented safety wall fixing brackets for ease of installation.
- Compatible with our wireless window contact energy saver system, offered as accessory.

MODEL		RX4P	RX6P	RX8P	RX10P	RX12P	RX14P
Num. of modules		4	6	8	10	12	14
Length	cm	41.5	57.5	73.5	89.5	105.5	121.5
Depth*	cm	10	10	10	10	10	10
Height	cm	58	58	58	58	58	58
Weight	kg	8	11	13.5	16	19	22
Input	W	500	750	1000	1250	1500	2000
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
Frecuency	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Units per pallet							
- 1300x800	mm		24	24			12
- 1200x1000	mm				24	24	
- 1300x1100	mm	36					
EAN 13		8432336408502	8432336408526	8432336408540	8432336408564	8432336408588	8432336408625

*Plus 2cm separated from the wall

RFE RANGE

Digital control with programmer

Technical features

- Digital temperature selector for displaying real temperature,set up temperature, clock and other messages.
- Weekly/daily programmer.
- Built-in electronic ambient thermostat ±0,1ºC.
- Electronic Triac control optimizer ETCO.
- Adjustable digital thermostat.
- Three-level temperature selector: Comfort, Economy and Frost-protection.
- Flat lockable keyboard for easy cleaning.
- On-Off switch built-in to front fascia.
- Choice of two different sizes with ratings from 500 to 2000 W in 580 mm. size and from 750 to 1500 W in 430 mm. size.
- Thermal safety cut out.
- Class I insulation.
- Stylish aluminium body finished in epoxy powder coating RAL 9010.
- Fitted with mains cable.
- Patented safety wall fixing brackets for ease of installation.
- Compatible with our wireless window contact energy saver system, offered as accessory.

								Short size - 430 mm.			
MODEL		RF4E	RF6E	RF8E	RF10E	RF12E	RF14E	RFC7E	RFC9E	RFC11E	RFC14E
Num. of modules		4	6	8	10	12	14	7	9	11	14
Length	cm	41.5	57.5	73.5	89.5	105.5	121.5	66.5	81.5	97.5	121.5
Depth*	cm	10	10	10	10	10	10	10	10	10	10
Height	cm	58	58	58	58	58	58	43	43	43	43
Weight	kg	9.5	13	16.5	20	23.5	27	12	15	17.5	21.5
Input	W	500	750	1000	1250	1500	2000	750	1000	1250	1500
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240	220-240
Frecuency	Hz	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60	50-60
Units per pallet											
- 1300x800	mm		24	24			12				
- 1300x1100	mm										
- 1200x1000	mm	36			24	24		24			24
- 1200x800	mm								24	24	
EAN 13		8432336405105	8432336405204	8432336405303	8432336405402	8432336405501	8432336405709	8432336409400	8432336409509	8432336409608	8432336409707

*Plus 2cm separated from the wall

RFP RANGE

Analogue control

Technical features

- Analogue control.
- Built-in electronic ambient thermostat ±0,1ºC.
- Electronic Triac control optimizer ETCO.
- Three-level temperature selector: Comfort, Economy and Frost-protection.
- On-Off switch built-in to front fascia.
- Ratings from 500 to 2000 W.
- Thermal safety cut out.
- Class I insulation.
- Stylish aluminium body finished in epoxy powder coating RAL 9010.
- Fitted with mains cable.
- Patented safety wall fixing brackets for ease of installation.
- Compatible with our wireless window contact energy saver system, offered as accessory.

MODEL		RF4P	RF6P	RF8P	RF10P	RF12P	RF14P
Num. of modules		4	6	8	10	12	14
Length	cm	41.5	57.5	73.5	89.5	105.5	121.5
Depth*	cm	10	10	10	10	10	10
Height	cm	58	58	58	58	58	58
Weight	kg	9.5	13	16.5	20	23.5	27
Input	W	500	750	1000	1250	1500	2000
Voltage	V	220-240	220-240	220-240	220-240	220-240	220-240
Frecuency	Hz	50-60	50-60	50-60	50-60	50-60	50-60
Units per pallet							
- 1300x800	mm		24	24			12
- 1300x1100	mm						
- 1200x1000	mm	36			24	24	
- 1200x800	mm						
EAN 13		8432336403101	8432336403200	8432336403309	8432336403408	8432336403507	8432336403705

*Plus 2cm separated from the wall

Fully Compliant With NHS Guidelines

NHS GUIDELINES FOR HOT SURFACE TEMPERATU

Under normal design conditions, standard radiator surface temperatures vary between 70°C and 80°C. At these tempera the average population receives partial thickness burns in under a second and full thickness burns in about 10 seconds.

However, certain sectors of the population represent a higher risk factor, for example the elderly, the young and the mentally impaired. Therefore, in areas/residencies where these groups are likely to be at risk, particular attention needs to be paid to the heating system temperatures.

Maximum Surface Temperatures

Wherever patients, residents and visitors have access to space heating devices, the maximum surface temperature should not exceed 43°C when the system is operating at the maximum designed output.

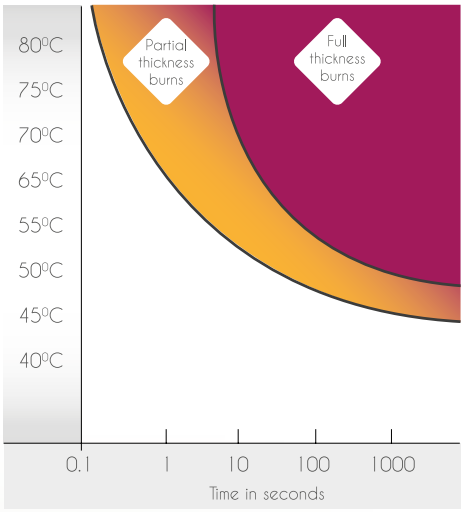
This criteria can be achieved in different ways, the three most common solutions are:

- The fitting of protective guards.
- The installation of Low Surface Temperature Heat Emitters.
- Flow temperature reduction (when central water heating).

The preferred method of achieving low surface temperatures is to install Low Surface Temperature heat emitters.

NHS Guidance Notes, available through NHS Estates, at: www.nhsestates.gov.uk.

Temperature and duration of exposure sufficient to cause burns in thin areas of skin



Ref.: Dr. JP Bull
Industrial Injures and Burns Unit Medical Research Council

Fully Compliant With NHS Guidelines

FIELDS OF APPLICATION

INGENIUM ranges fit every single aspect of the NHS GUIDELINES.

Some of the main fields of application are care homes, residential homes, nursing homes, hospitals, clinics, educational establishments, children's nurseries, community centres and any public area in general.

LOW SURFACE TEMPERATURE, 100% SAFE

The INGENIUM range boasts the very latest technology developed by ELNUR to provide a modern, stylish and totally controllable electric radiator with a surface temperature that, at any point, will not exceed 43^{0}C at maximum performance, meeting NHS guidelines.

With a know-how of 40 years of manufacturing excellence, ELNUR has incorporated clever design features to enhance performance as well maintaining a low surface temperature. The INGENIUM radiator is manufactured from a steel body with extruded aluminium front and upper panels. The extruded corrugated aluminium front panel design increases the heat cession to the room by more than 50%. In addition, the upper aluminium panel along with a tangential tubular blower and a series of key internal components have been designed to re-direct the convection effect resulting in faster heat distribution.

Every radiator in the INGENIUM range provides accurate temperature control of the room where they are installed with an electronic chronothermostat that allows the user to set their ideal temperature during the day or the night, as and when required.

Energy control is essential to minimize consumption and reduce electricity expenses. INGENIUM low surface temperature thermal radiators provide you with the latest technology in consumption control - ETCO (ELECTRONIC TRIAC CONTROL OPTIMIZER), to manage and restrict the flow of electricity.

Furthermore, each INGENIUM radiator boasts our built-in weekly/daily programmer to provide the user with precise time control. This easy to use yet comprehensive programmer allows the user to set their desired mode - Comfort, Economy or Frost Protection, for any given hour of the day, providing maximum comfort whilst helping to make savings in unnecessary heating expense.

The result is a technically superb product that provides the best efficiency in direct electric heating and eliminates any possible burning accident when children, disabled or the elderly are nearby.

Fully Compliant With NHS Guidelines

INGENIUM

Low Surface Temperature Electric Radiator with Digital Control and Built-in Programmer

Technical features

- Low surface temperature – will not exceed 43°C.
- ETCO, Electronic Triac Control Optimiser, to manage and restrict the flow of electricity.
- Digital display for clock, selected temperature, room temperature and programming, etc.
- Weekly / daily programmer.
- Three-mode temperature selector: Comfort, Economy and Frost Protection.
- Flat lockable keyboard for easy cleaning and added safety.
- Built-in electronic ambient thermostat with ±0.1C accuracy.
- Adjustable digital thermostat.
- Temperature sensor that automatically activates and deactivates blower performance.
- On-off switch built-in to front fascia.
- Thermal safety cut-out.
- Class I insulation.
- Steel body with extruded aluminium front and upper panel finished in RAL 9010 powder coating.
- Patented safety wall fixing brackets for ease of installation.
- Fitted with mains cable.
- Maintenance free.
- Compatible with our wireless window contact energy saver system, offered as accessory.

CE

MODEL		RX6E LST	RX10E LST	RX12E LST
Num. of modules		6	10	12
Input	W	775	1300	1550
Voltage	V	220-240	220-240	220-240
Length	cm	57.5	89.5	105.5
Depth*	cm	10	10	10
Height	cm	58	58	58
Net Weight	kg	11	16	19
EAN 13		8432336417108	8432336417146	8432336417160

*Plus 2cm separated from the wall

MEET THE COMPLETE ELNUR RANGES

▶ THERMAL INERTIA RADIATORS

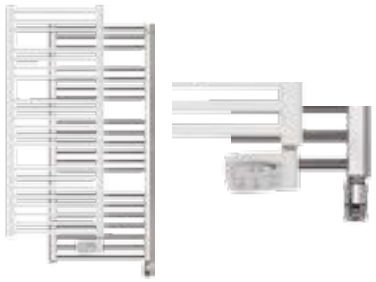
▶ STORAGE HEATERS

▶ MODULATING ELECTRIC BOILERS

▶ ECOMBI SYSTEM

▶ PANEL HEATERS

▶ TOWEL RAIL RADIATORS



▶ INDUSTRIAL HEATERS

▶ LOW CAPACITY WATER HEATERS

▶ INFRA RED RADIATORS

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