

ELNUR

THERMAL INERTIA RADIATORS



Gabarrón
Manufacturing Excellence



ELNUR HISTORY

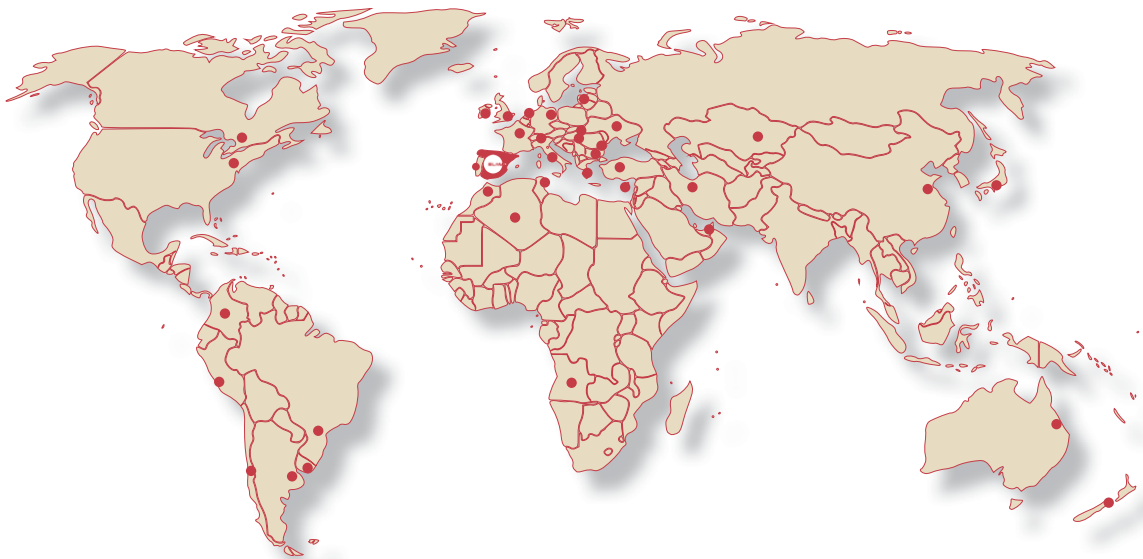
ELNUR was founded in 1973 and since then, we have established ourselves as one of the leading European providers of the most efficient heating system in the world: electric heating.

With facilities spanning over 20,000 m², 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 processes occurring in all areas of the company, which is certified by the official ISO 9001 standard.

Take for example, the rigorous control applied to each phase of the production process from initial design of the product, through the continuous assessment of suppliers and materials, to the monitoring of each stage in the manufacturing process and the final check of every single product which are tested one by one before packaging.

As a result, complete traceability is established for each of the products that we design and manufacture, and we guarantee our customers that every appliance leaving our factory is in full working order.

GABARRÓN products are uniquely designed and manufactured using high quality materials and components, which constitutes a significant advantage when it comes to providing an excellent level of performance and efficiency.

ELNUR holds various official certifications which guarantee compliance with quality and environmental standards.



INTERNATIONAL COMPANY CERTIFICATIONS



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 design stage to the final stages of production.

SERVICE

The same level of demand, dedication and commitment that we offer with our products is also reflected in our customer service: personalised assistance, continuous monitoring, technical advice, project management, professional after-sales technical support....

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 about the company or our products, please email us at the following address:

esales@elnur.co.uk

CUSTOMER SERVICE

Our Customer Service Team will answer each and every query you may have, whether it relates to delivery schedules, confirmation of when a product is dispatched, or placing an order. Any member of the team will be able to help you and deal with your request as quickly as possible keeping you informed at all times.

Customer Service Telephone Numbers: 01942 670119

You can also contact us by email at:

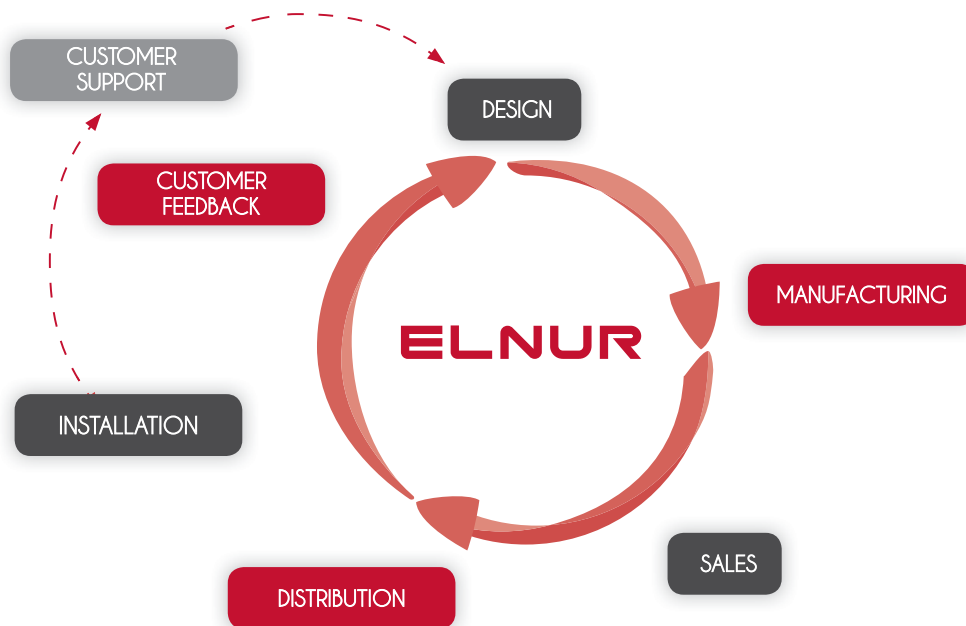
esales@elnur.co.uk



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 not only the delivery, but also a professional after-sales service to help our customers with any concerns or technical issues. We have an Authorised Technical Services Network providing effective technical assistance all over the country, irrespective of the location or the product.

If you have any questions on this matter, our Customer Service Team will be able to inform you of your nearest



Authorised Technical Service or will make a record of your issue so that the technical team can get in contact with you as soon as possible.

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.

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.

advice@elnur.co.uk

CONTINUOUS TRAINING

In line with our commitment to customers and end users, we cannot ignore the fact that professionals need support in order to gain a complete knowledge base with regard to **GABARRÓN** product ranges and to the potential technical solutions that they may require for the different systems.

For this reason, we have developed a complete Training Program which includes technical training courses for each of our product ranges. These courses are taught by our best experts. Their ultimate aim is to help professionals in their daily work and for them to become more familiar with the significant advantages of installing **GABARRÓN** products.

These courses are totally free of charge, and can be given at on-site locations all over the country.

If you are an installer, don't think twice. Take advantage of this training opportunity based on the principles of real quality and continuous improvement. You can request information about upcoming conferences or specific technical courses for the different ranges of **GABARRÓN** products.

training@elnur.co.uk



SAFETY

Electric heating is one of the cleanest and safest heating solutions currently available.

None of our products emit gases or direct pollution when operating. They do not require materials such as gas or diesel fuel to function, so there is no risk of leaks or explosions.

Due to the simplicity and safety of their installation and operation, **GABARRÓN** electric heating products do not require any form of regular maintenance, therefore avoiding the inconvenience of unnecessary annual costs for users.

Just the electric boilers and storage water heaters with magnesium anode inside require a minimum maintenance.



"Because safety for your family is what matters most, investing in electric heating systems is the right decision"

SUSTAINABILITY

Interest in environmental care is increasing, as well as the concept of manufacturing in compliance with environmental protection standards. Human beings use the natural resources of the planet believing that they constitute an inexhaustible source, and at the same time the current levels of industrialization and consumption increasingly pollute the habitat that surrounds us.

This is why **ELNUR** is totally committed to working and manufacturing in accordance with the appropriate certification under the Environmental Management System which guarantees environmental care and respect under the parameters established in the ISO 14001 standard.

Not only do we wish to minimize the negative impact on our ecosystem, we also continuously strive to improve and produce increasingly advanced and efficient products with minimum energy consumption.

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

They can be used with renewable energy sources coming from natural resources such as sun or wind.

Please join us in reducing the carbon footprint, and together we can combat its negative impact.



"Taking care of the planet is in our hands"



QUALITY

GABARRON ranges of Thermal Inertia Radiators use two different types of technology: **ecofluid** based on an optimum thermal inertia and heat transfer through a low viscosity and environmentally friendly thermo fluid, and **ecoseco** Technology, a real innovation in heat transference based on a primary core and a secondary heat amplifier. The high quality aluminium elements design, allows a natural convection of air through the radiator, providing perfect heat distribution, radiation and a thermal inertia that ensures very low running costs. The real core of these devices, however, is their **Electronic Triac Control Optimiser (ETCO)**. This manages and restricts the flow of electricity to guarantee low consumption.

EFFICIENCY

GABARRON Thermal Inertia Radiators provide the maximum optimisation of energy consumption, ensuring that energy is not wasted unnecessarily, granting 100% efficiency. This is achieved through a large contact aluminum surface which provides the best heat transfer to the room with maximum caloric performance and heat dissipation by both radiation and convection. We also include a highly accurate ambient thermostat ($\pm 0.1^{\circ}\text{C}$ precision), that provides the best temperature control and reduces electricity consumption. This is the best high sensitivity thermostat control for thermal radiators on the market.

INNOVATION

The last technology incorporated into our range of thermal radiators is the **ecoseco** Inertia Technology, patented by ELNUR. This technology does not use any thermal fluid and is based in a primary heat transmitter. The energy is taken by a secondary element that transfers the energy, amplifying the surface that radiates and convects heat in the room.

An exclusive security system with a 1-year memory backup is another useful feature included in some of the models in our ranges.

The patented and uniquely designed wall fixing brackets allow the radiator to be installed and leveled simply in no more than 5 minutes.



THERMAL INERTIA RADIATORS

ADAPTING TO CUSTOMER NEEDS

This range is the perfect individualised central heating with a programmable switch-on timer and a temperature set up for each room. Hour by hour and day by day functions can be set up on Comfort, Eco and Frost Protection modes.

No maintenance is required as there are no boilers or pipes involved. This also means no breakdowns due to lime accumulation and no water loss caused by leaks or faulty welding.

With two sized stylish aesthetics, three different family ranges and an excellent quality finish, the thermal radiator will blend in with any existing décor and is easily cleaned.

With ranges from 500W to 2000W, they can fit any room dimension, style and decoration.



SECURITY AND SUSTAINABILITY

The **eco^{seco}** technology thermal radiator offers a very low recycling cost at the end of its life cycle.

The **eco^{fluid}** technology thermal radiators use a special high performance mineral thermal fluid, with a neutral composition and high thermal stability. It is non-corrosive and does not contain carbonisable substances, making it very environmentally friendly. Therefore recycling will not be an issue.

Gabarron Thermal Radiators do not require liquid or gaseous fuels and they do not release any type of combustion or emission into the atmosphere. They use electricity as the safest, cleanest and most ecological option on the market.

TECHNICAL DETAILS THAT MAKE THE DIFFERENCE

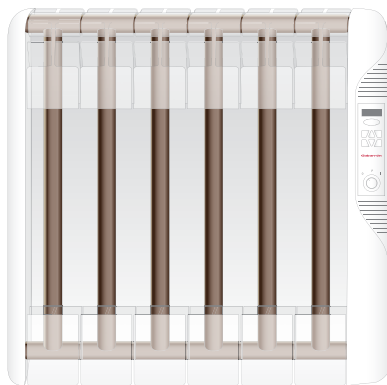
100% EFFICIENCY

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.



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.

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.



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.

Traditional system with thermal fluid.

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.

GABARRON 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.

Also allows us to reduce the number of elements and consequently of radiators that can be offered in a installation with a direct reduction in the 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

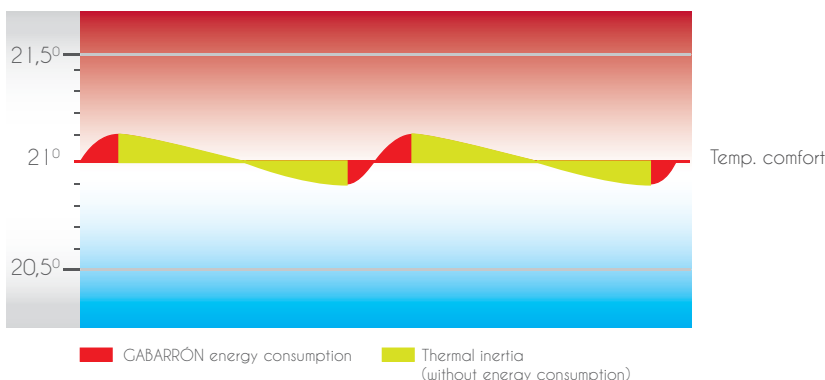
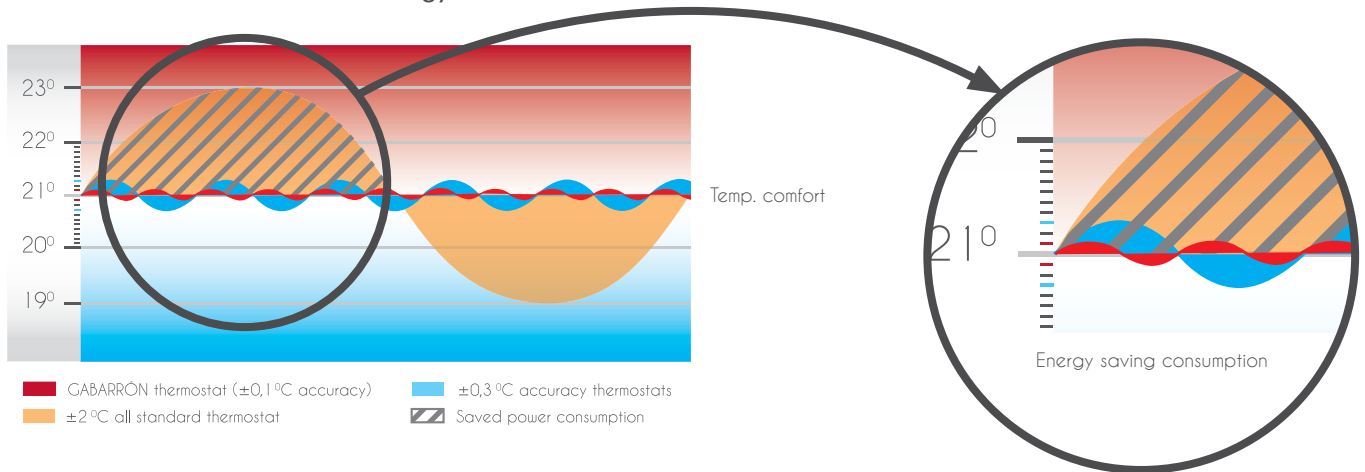
The key is accurate temperature control management. A heater that provides the desired temperature in a particular room is not enough; it has to achieve this using as little energy as possible.

Large fluctuations in room temperature lead to higher energy demand, since a change in room temperature of 1°C 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 $\pm 0.1^\circ\text{C}$ accuracy compared with other manufacturers ($\pm 0.3^\circ\text{C}$) or even other traditional room temperature control systems, which can have an accuracy of $\pm 2^\circ\text{C}$.

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.

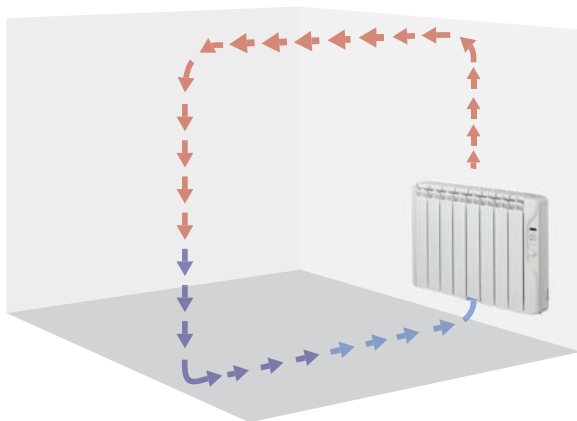
If we avoid large temperature fluctuations and manage to maintain an adequate thermal stability, we will reduce the inefficient use of energy.



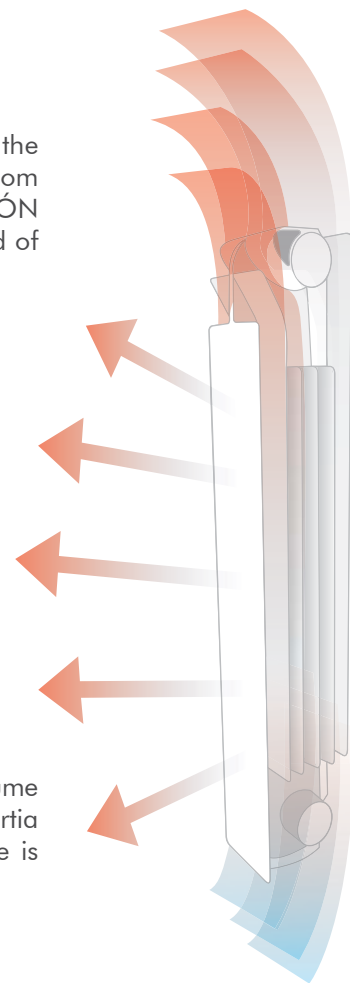
Energy consumption that we avoid thanks to perfect temperature control. These results are valid for rooms with insulation and stable enclosures.

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.

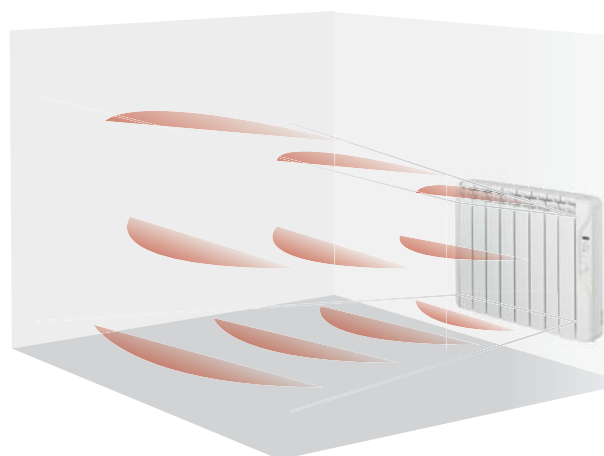


TECHNOLOGY AND REGULATION ADAPTED TO YOUR NEEDS

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.

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 Optimizer

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 Optimizer.

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...

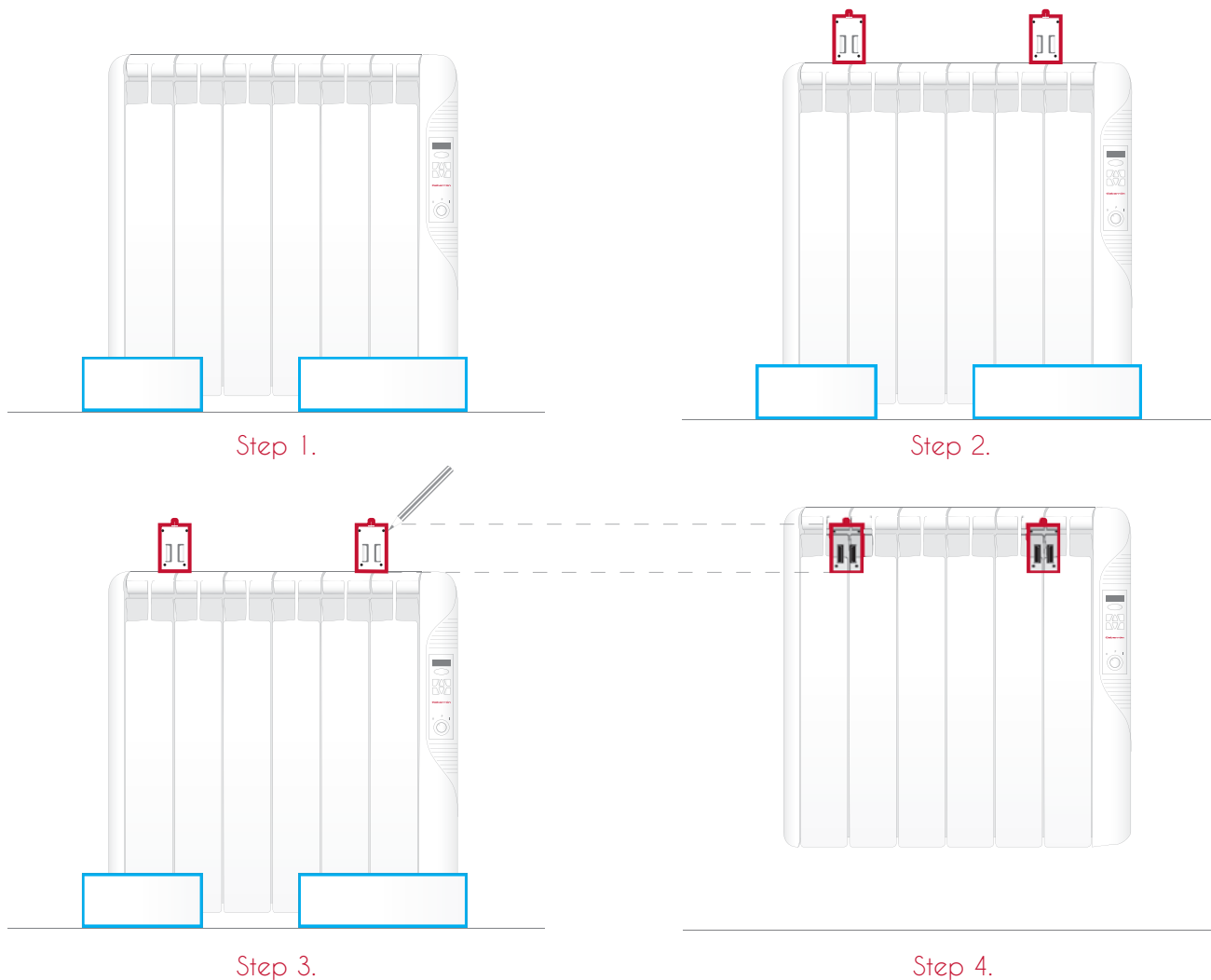


1-year memory back up device.

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.



Some simple steps that will save the installation engineer valuable time and effort:

1. Place the radiator on the floor with the polypropylene protections in the lower part (in blue).
2. Fit the bracket into the upper groove (in red).
3. Mark the holes with a pencil.
4. Once the holes are made and the brackets are properly screwed to the wall, the radiator can be hung.

Fast, comfortable, easy and simple, ensuring that the radiator is fitted flush at the first attempt.



Patented wall fixing brackets to easy the 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.



RKSHi built-in control



RKSL built-in control

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.



RFP built-in control



RFE built-in control

THERMAL INERTIA RADIATORS

THERMAL MAPPING AND HEAT LOSS CALCULATION IN THE UK

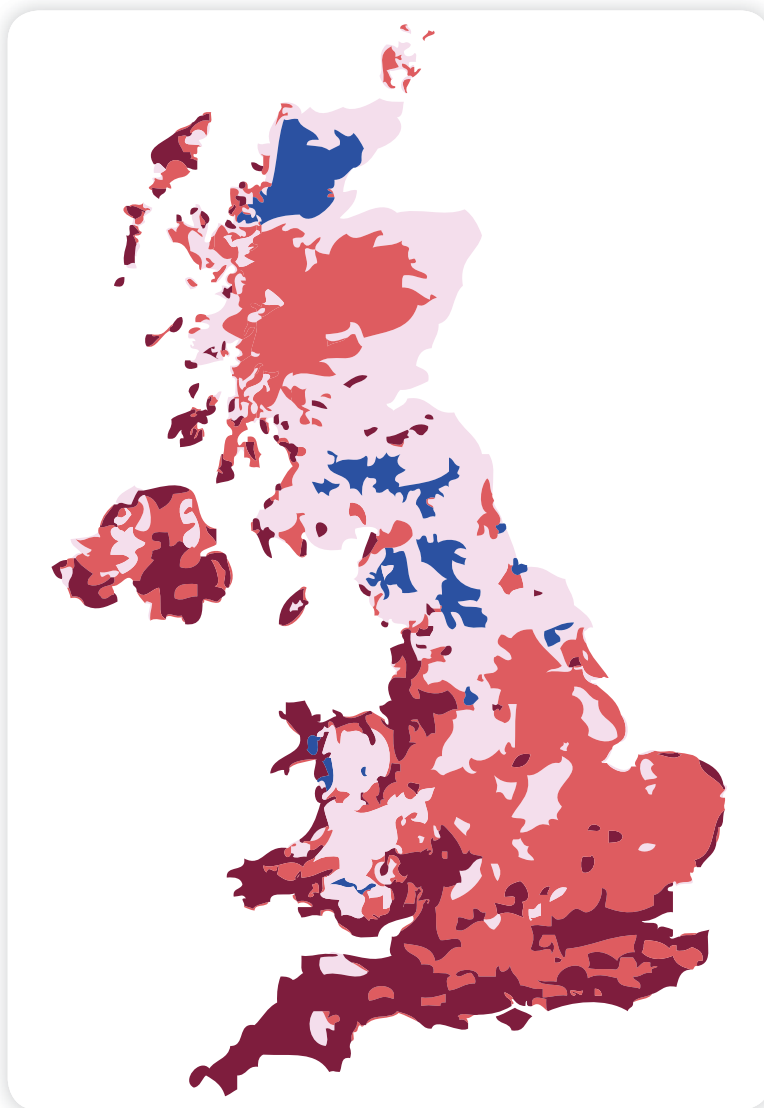
The table below shows recommended figures that will help to calculate the power requirement in W/m² or W/m³ to install **GABARRÓN** Inertia Thermal Radiators.

The main variables for the calculation are three optional types of insulation in the house that have to be considered together with different climatic zones in the UK.

To calculate the theoretical heat loss in a room it is necessary to multiply the required figure in the chart by the calculated room volume or surface. We install the inertia thermal radiator with the power immediately above to 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 21°C.



| THERMAL LEVELS | W/m ² | | | W/m ³ | | |
|--------------------|------------------|-------------------|----------------|------------------|-------------------|----------------|
| | HIGH INSULATION | MEDIUM INSULATION | LOW INSULATION | HIGH INSULATION | MEDIUM INSULATION | LOW INSULATION |
| MILD WEATHER | 64 | 82,5 | 109 | 19,6 | 25,3 | 33,4 |
| COLD WEATHER | 69,5 | 88 | 114,5 | 22,5 | 28,6 | 37,2 |
| VERY COLD WEATHER | 75 | 93,5 | 120 | 26,4 | 33 | 42,3 |
| EXTRA COLD WEATHER | 80,5 | 99 | 125 | 29,5 | 36,3 | 45,8 |

THERMAL INERTIA RADIATOR



RKSHI - Digital Control, pilot wiring and carrier current CPL

RKSL - Digital Control with programmer, pilot wiring, carrier current CPL and remote control

RXE - Digital Control with programmer

RXP - Analogue Control



RFE - Digital Control with programmer

RFP - Analogue Control



RKSHi RANGE

Digital control with pilot wiring,
carrier current CPL



Technical features

- ▶ LCD display in blue backlight.
- ▶ Keyboard lock.
- ▶ Digital temperature selector for displaying real temperature and set up temperature.
- ▶ Built-in electronic ambient thermostat $\pm 0,1^{\circ}\text{C}$.
- ▶ Digital adjustable thermometer.
- ▶ Electronic Triac control optimizer ETCO.
- ▶ Thermal safety cut out.
- ▶ Class II insulation.
- ▶ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ▶ Switch On-Off in the rear.
- ▶ Ratings from 500 to 2000W.
- ▶ Stylish aluminium body finished in epoxy powder coating RAL 9010.
- ▶ Fitted with mains cable.
- ▶ Safety wall fixing devices to easy the installation.
- ▶ Compatible with four or six orders PILOT WIRING multi-zone central controller, GIFAN standard.
- ▶ Compatible with CARRIER CURRENT CPL (X2D protocol) multi-zone central controller PG-4Z, offered as accessory.



| 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 | | 24 | 24 | | | |
| - 1200x1000 | mm | 36 | | | | | 12 |
| - 1300x1100 | mm | | | | 24 | 24 | |
| EAN 13 | | 8432336412431 | 8432336412455 | 8432336412479 | 8432336412493 | 8432336412516 | 8432336412530 |

*Plus 2cm separated from the wall

RKSL RANGE

Digital control with programmer, pilot wiring, carrier current CPL, remote control



Technical features

- ▶ LCD display in blue backlight.
- ▶ Keyboard lock.
- ▶ Digital temperature selector for displaying real temperature and set up temperature.
- ▶ Weekly / daily programmer.
- ▶ Digital adjustable thermometer.
- ▶ Built-in electronic ambient thermostat $\pm 0,1^{\circ}\text{C}$.
- ▶ Thermal safety cut out.
- ▶ Class II insulation.
- ▶ Electronic Triac control optimizer ETCO.
- ▶ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ▶ Switch On-Off in the rear.
- ▶ Ratings from 500 to 2000W.
- ▶ Stylish aluminium body finished in epoxy powder coating RAL 9010.
- ▶ Fitted with mains cable.
- ▶ Safety wall fixing devices to easy the installation.
- ▶ Compatible with four or six orders PILOT WIRING multi-zone central controller, GIFAN standard.
- ▶ Compatible with CARRIER CURRENT CPL (X2D protocol) multi-zone central controller PG-4Z, offered as accessory.
- ▶ Compatible with infra red Remote Control TPG-IR offered as accessory.



| 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 keyboard for easy cleaning and lockable.
- ▶ Built-in electronic ambient thermostat $\pm 0,1$ °C.
- ▶ Digital adjustable thermometer.
- ▶ 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.
- ▶ Switch On-Off in front side.
- ▶ Ratings from 500 W to 2000 W.
- ▶ Steel body with extruded aluminium front and upper pannel finished in epoxy powder coating RAL 9010.
- ▶ Fitted with mains cable.
- ▶ Safety wall fixing devices to easy the installation.
- ▶ Compatible with wireless energy saver for windows 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 $\pm 0,1$ °C.
- ▶ 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.
- ▶ Switch On-Off in front side.
- ▶ Steel body with extruded aluminium front and upper pannel finished in epoxy powder coating RAL 9010.
- ▶ Fitted with mains cable.
- ▶ Safety wall fixing devices to easy the installation.
- ▶ Compatible with wireless energy saver for windows 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 $\pm 0,1^{\circ}\text{C}$.
- ▶ Electronic Triac control optimizer ETCO.
- ▶ Digital adjustable thermometer.
- ▶ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ▶ Flat keyboard for easy cleaning and lockable.
- ▶ Switch On-Off in front side.
- ▶ 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.
- ▶ Safety wall fixing devices to easy the installation.
- ▶ Compatible with wireless energy saver for windows offered as accessory.



| MODEL | Short size - 430 mm. | | | | | | | | | |
|------------------|----------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 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 | cm 57.5 | cm 73.5 | cm 89.5 | cm 105.5 | cm 121.5 | cm 66.5 | cm 81.5 | cm 97.5 | cm 121.5 |
| Depth* | cm 10 | cm 10 | cm 10 | cm 10 | cm 10 | cm 10 | cm 10 | cm 10 | cm 10 | cm 10 |
| Height | cm 58 | cm 58 | cm 58 | cm 58 | cm 58 | cm 58 | cm 43 | cm 43 | cm 43 | cm 43 |
| Weight | kg 9.5 | kg 13 | kg 16.5 | kg 20 | kg 23.5 | kg 27 | kg 12 | kg 15 | kg 17.5 | kg 21.5 |
| Input | W 500 | W 750 | W 1000 | W 1250 | W 1500 | W 2000 | W 750 | W 1000 | W 1250 | W 1500 |
| Voltage | V 220-240 | V 220-240 | V 220-240 | V 220-240 | V 220-240 | V 220-240 | V 220-240 | V 220-240 | V 220-240 | V 220-240 |
| Frequency | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 50-60 | Hz 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



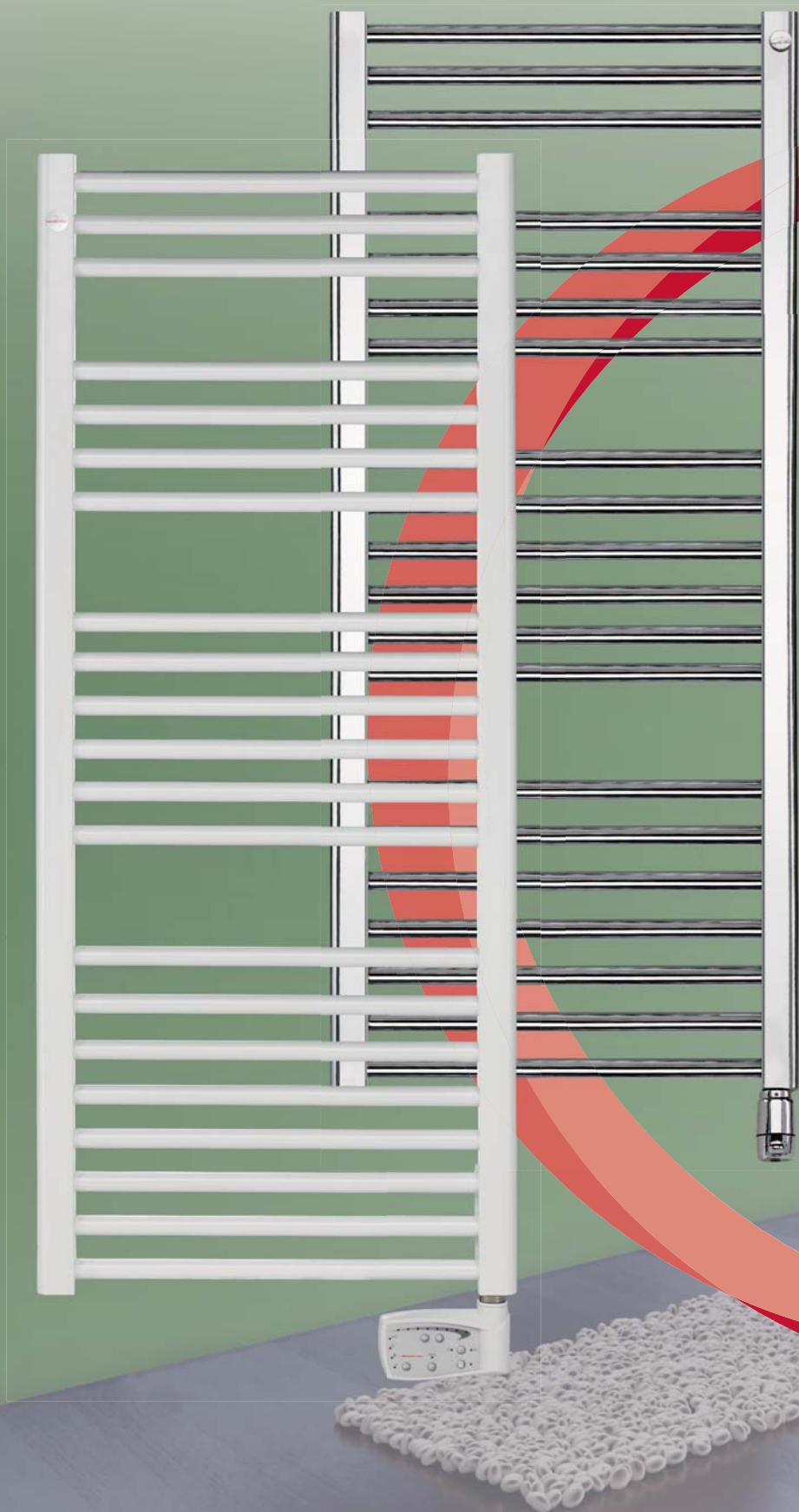
Technical features

- ▶ Analogue control.
- ▶ Built-in electronic ambient thermostat $\pm 0,1^{\circ}\text{C}$.
- ▶ Electronic Triac control optimizer ETCO.
- ▶ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ▶ Switch On-Off in front side.
- ▶ 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.
- ▶ Safety wall fixing devices to easy the installation.
- ▶ Compatible with wireless energy saver for windows 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



TOWEL RAILS RADIATORS

GABARRÓN range of electric towel rails and towel warmers has been designed to be the ideal way to add a touch of luxury and sophistication to bathrooms.

Its great versatility makes it the perfect solution as it not only heats the room, but also reduces moisture and mildew using little space.

GABARRÓN electric towel rails are ideal to dry or warm up delicate garments or even to keep your towels warm, meaning you can enjoy the luxury of warm towels after a soothing bath or relaxing shower.

Design and functionality come together to provide warmth, comfort and convenience. They are a top quality and ideal solution offering the best features.

Our range of electric towel rails is available in three sizes, with different power capacities, and in different finishes making them suitable for almost any size and style of bathroom.

They are equipped with a high sensitivity electronic controller, which allows you to maintain a stable heat, guaranteeing warmth and low running costs. They also have a pilot wiring central controller option.

No type of maintenance is needed and they are extremely easy to install.

They are the perfect addition to your central heating system.

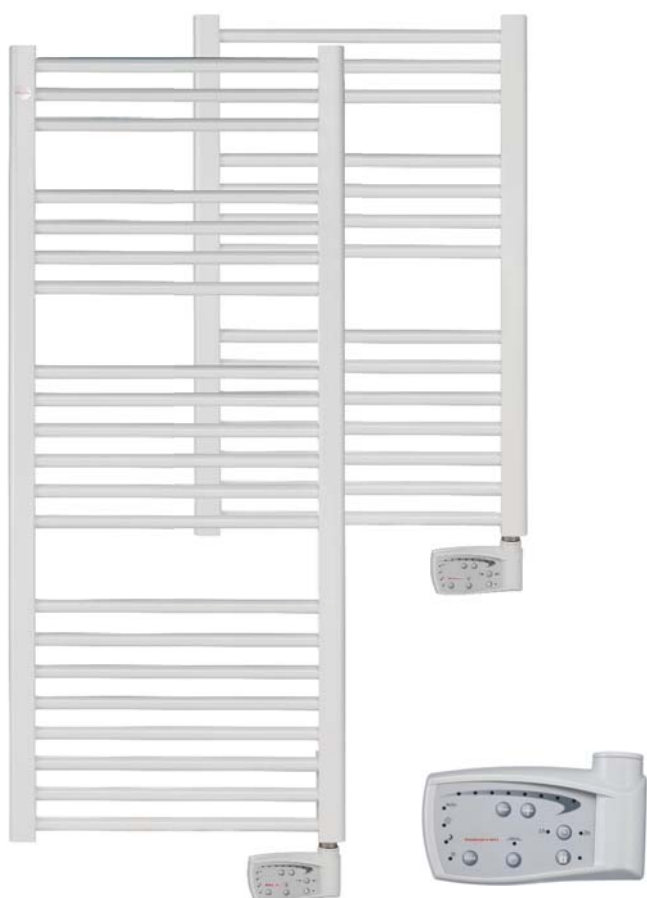
They are 100% energy efficient.

“Enjoy the luxury of a special sensation after a relaxing bath”

TBBi RANGE

Towel heater

The TBBi electric towel ranges provide maximum comfort and convenience. This model has a programmable constant heat option, for 1 or 2 hours that means that towels and other delicates can be dried quickly. It also comes with an ambient thermostat and timer with pilot wiring central controller. Its powder coated finish in white colour is available in 150W, 300W and 600W. You can enjoy the luxury of warm towels and a perfectly heated bathroom. Discover all the features that these functional **GABARRÓN** models offer.



Electronic control for the TBBi range

Technical Features

- ▶ Low density thermal fluid.
- ▶ ± 0.1 °C high sensitivity electronic thermostat.
- ▶ Safety thermal cut out.
- ▶ Operating mode selector, including frost protection option.
- ▶ High safety wall brackets.
- ▶ Supplied with 1.5 m mains cable.
- ▶ IP44 protection, against dripping water.
- ▶ Class II insulation.
- ▶ 1 hour, 2 hour booster control.
- ▶ Keypad lock.
- ▶ Models finished in white RAL 9010 epoxy.
- ▶ Compatible with pilot wiring multi-zone central controller available as accessories.
- ▶ Electronic control only in TBB-8i and TBB-12i versions.



| MODEL | | TB-150 | TBB-8i | TBB-12i |
|------------------|----|---------------|---------------|---------------|
| Input | W | 150 | 300 | 600 |
| Voltage | V | 220-240 | 220-240 | 220-240 |
| Frecuency | Hz | 50-60 | 50-60 | 50-60 |
| Dimensions | cm | 87x50x8 | 87x50x8 | 128x50x8 |
| Weight | kg | 8.5 | 10 | 14 |
| Units per pallet | | | | |
| - 1200x1000 | mm | 22 | 22 | 15 |
| - 1300x800 | mm | | | |
| EAN 13 | | 8432336502347 | 8432336500114 | 8432336500169 |

*Plus 2cm separated from the wall



TBC RANGE

Towel heater

The **GABARRÓN** TBC towel rail range is the ideal elegant yet functional addition to your bathroom. Its chrome finish is available in 150W, 300W and 500W. It has a practical and easy-to-use controller that includes an auto-adjustable thermostat to control the temperature. TBC electric towel rails add comfort to your bathroom and are perfect to dry delicate garments or make sure you have a warm towel waiting for when you get out of your shower or bath.



Technical Features

- ▶ Low density thermal fluid.
- ▶ High sensitivity electronic thermostat.
- ▶ Safety thermal cut out.
- ▶ IP54 protection, against dripping water.
- ▶ Class I insulation.
- ▶ High safety wall brackets.
- ▶ Supplied with 1.5 m mains cable.
- ▶ Models finished in Chrome.
- ▶ Manual temperature selector only in TBC-8 and TBC-12 versions.

Manual temperature control



| MODEL | | TC-150 | TBC-8 | TBC-12 |
|------------------|----|---------------|---------------|---------------|
| Input | W | 150 | 300 | 500 |
| Voltage | V | 220-240 | 220-240 | 220-240 |
| Frequency | Hz | 50-60 | 50-60 | 50-60 |
| Dimensions | cm | 87x50x8 | 87x50x8 | 128x50x8 |
| Weight | kg | 9 | 10 | 14 |
| Units per pallet | | | | |
| - 1200x1000 | mm | 22 | 22 | |
| - 1300x800 | mm | | | 15 |
| EAN 13 | | 8432336502354 | 8432336500206 | 8432336500251 |

*Plus 2cm separated from the wall



▶ STORAGE HEATERS

GABARRÓN ranges of Storage Heaters are especially designed for use during the off-peak period. These storage heaters are the ideal solution for obtaining constant heat 24 hours a day. They provide a warm and comfortable temperature that is suitable for cold climate zones, where heating is required not only for a few hours, but where a pleasant and warm temperature is preferable around the clock.



▶ ECOMBI SYSTEM

ECOMBI is a new efficient heating system that both controls electricity consumption and optimises heat management.

The **ECOMBI** smart system assesses energy consumption and heat loss in the room every day in order to establish the heat needs precisely and effectively adjusting the energy required.

ECOMBI adjusts the amount of heat required due to **ESICC (ECOMBI Smart Input Charge Control)**. This will avoid any unnecessary extra energy consumption.

▶ PANEL HEATERS

GABARRÓN wall-mounted convector heaters are a rapid solution for heating a room occasionally or for short periods of time during the day.

The convector heaters are the desired solution for many owners and designers, as they take up little space, quickly and efficiently reaching a comfortable and even temperature.



► MODULATING ELECTRIC BOILERS

GABARRÓN range of modulating boilers is available both as heating boilers and as heating and domestic hot water (DHW) boilers.

The modulating feature of the GABARRÓN electric boilers is managed by a **Smart Electronic Modulating System (SEM)**, achieving 100% energy efficiency and overall savings in energy costs.



► INFRA RED RADIATORS

GABARRÓN infra red radiators transform 100% of its power in heat in less than one second, it does not require any type of pre-heating and the result is a very important energy saving. Space volumes are not heated, only direct areas and only when it is required.

► LOW CAPACITY WATER HEATERS

A range developed to fit installations which need hot water very quickly (kitchen, shower, garage, doctor's surgery etc).

Suitable for both under or over sink installations.

These storage water heaters are especially easy to fit with one single support bracket.



► INDUSTRIAL HEATERS

A range of robust wall mounted, ceiling or stand alone fan heaters suited for general purpose, commercial and industrial use. These models provide fast flexible heating wherever and whenever it is needed.

Supplied complete with a fixing support, they provide ample heating for many commercial and industrial applications.





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