

CLIMASTAR®

Silicon green heating

Smart
inertia radiators

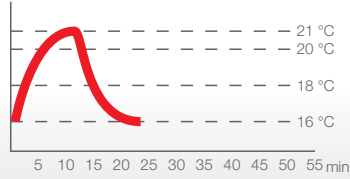


Here is where the difference lies

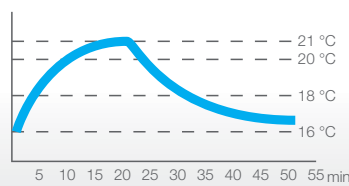


Smart inertia radiators reach the room temperature quicker and maintain the heat for longer than other radiators.

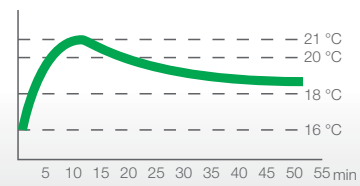
Under same conditions: room size, power... How different types of radiators heat a room is shown below.



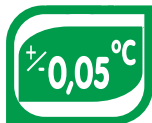
A standard convector will heat up the room very quick but when disconnected, that heat will also disappear very fast.



An oil radiator when disconnected will maintain the heat in the room longer, but also to heat up the room will take much longer.

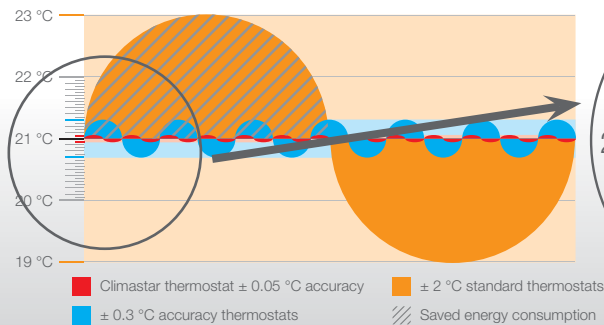


Smart inertia radiators will heat up the room very quickly and the silicon technology incorporated in those radiators will maintain the room temperature for a very long period of time when disconnected.

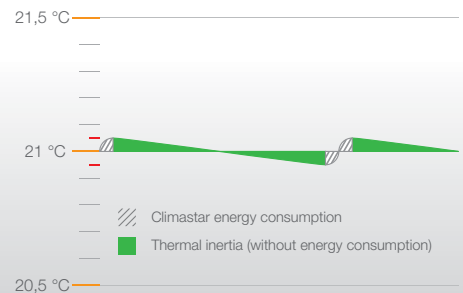


Smart Inertia radiators offer the highest temperature accuracy in the industry, providing the best thermal stability and avoiding heat fluctuations. These ranges have

a precision of $\pm 0.05^\circ\text{C}$ accuracy compared with other manufacturers ($\pm 0.3^\circ\text{C}$) or even other traditional room temperature control systems ($\pm 2^\circ\text{C}$).



The main consequence of this kind of accuracy in the behaviour of Smart inertia radiators can be seen in this image:



Climastar Smart radiators heat up the room very quickly and use less power to maintain the temperature for longer, due to the HCC control and accurate thermostat energy use is reduced.



This is the key factor to save energy and your money.

At the same time you are helping to reduce the carbon foot print and preserve the planet by choosing a heating system which respects the environment.



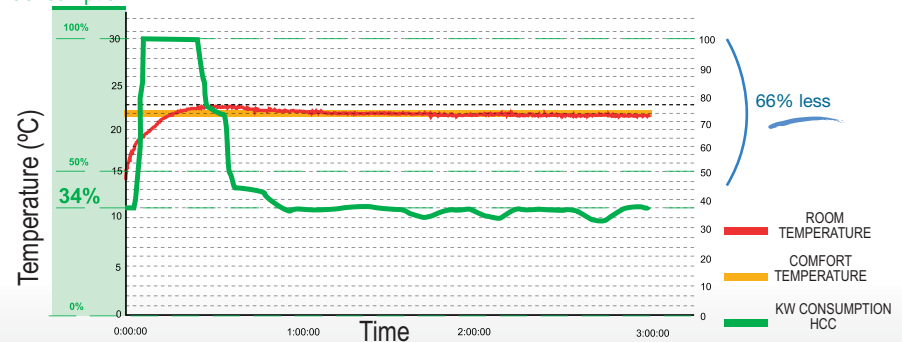
Smart inertia radiators incorporate the HCC (Heating Cruise Control) system.

HCC is the latest technology in electric control consumption.

This control is based on an algorithm that uses electric pulses to adjust the heating power based on the information taken from the thermostat. It does not only reduce electric consumption but also optimizes the electricity use in the house.

In the event of a limitation of the power supply HCC control system (Electric Pulse) allows an increase of the heating power requirement of up to 40% so avoiding potential limitations of the power supply.

Consumption kW



HCC system will provide 100% of the required power only to reach the set temperature. Once it is achieved, consumption is reduced by 66%.

Smart inertia radiators



Silicon **DUAL-KHERR®**
Patented System

Dual-Kherr is the inertia front panel material used in our Smart Inertia Radiators.

It is made of silicon oxide and aluminium oxide. Silicon is extremely good at storing heat, while aluminium is one of the best heat conductors.

With Dual-Kherr we guarantee the best heat transfer to the room while also reducing the energy consumption.

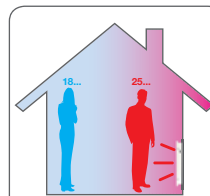


Fig. 1

Above shows a room where heat is transmitted mainly by radiation. It will take a long time to reach a comfortable temperature.

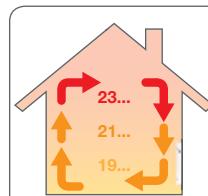


Fig. 2

A room where heat transfer is by convection only, temperature layers will appear in the room. So, in order to get a comfortable temperature you also waste energy heating the upper layer of the room.

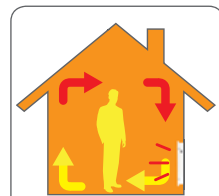
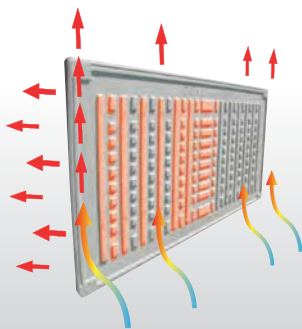
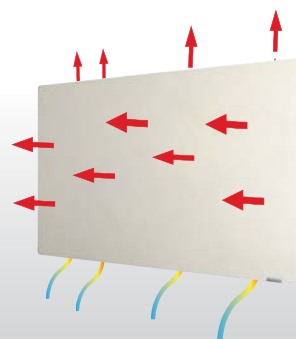


Fig. 3

A room with heat transmitted by radiation and convection. The Dual-Kherr Panel minimises stratification in the room and so avoids wasting energy by not over heating unused space in the top of the room reducing your overall energy consumption.



In the internal part of the panel you can see a "double core" conduction chamber that optimizes the heater convection process by improving the hot air distribution through the panel. This "double core" layout improves the heat absorption and transmits it to the front surface.

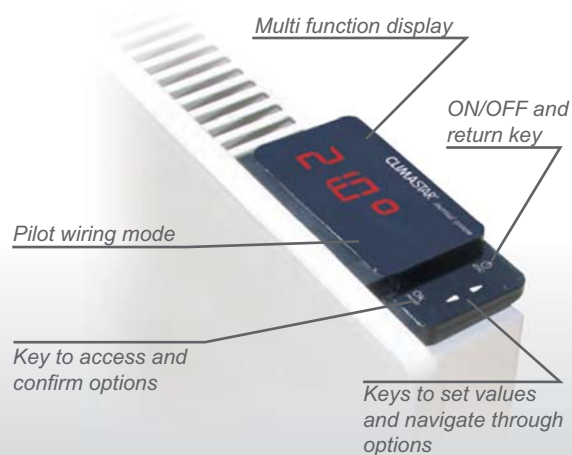


The front of the panel increases the heat transference to the room by radiation for longer periods due to its inertia capacity.

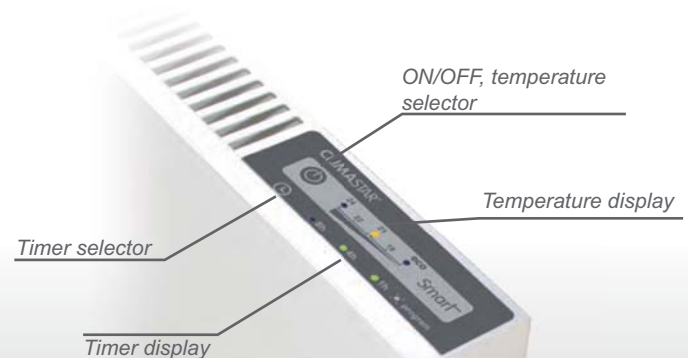


Intuitive and user friendly

Smart TOUCH version



Smart EASY TECH version



Smart ranges incorporate a cooling detector.

When the heater is working and a door or window is opened, the radiator will stop working automatically to save energy.

When the heater is working and it detects a decrease in temperature of 3 °C for a period of 5 min the open window function activates and the radiator stops working.

If temperature stabilizes for 15 minutes the radiator starts operating again.



CLIMASTAR®

Smart Touch



From only
20p
running cost
per day*


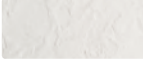
Power
**500 W
1000 W
1500 W
2000 W**

New
Touch
control

Technical features:

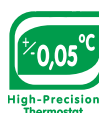
- ✓ Dual Kherr Silicon Inertia front panel.
- ✓ LCD touch display with safety lock.
- ✓ Digital temperature selector for displaying real temperature and set up temperature.
- ✓ Weekly / daily programmer.
- ✓ Digital adjustable thermometer.
- ✓ Built-in electronic ambient thermostat $\pm 0,05^{\circ}\text{C}$.
- ✓ Open window detector.
- ✓ Thermal safety cut out.
- ✓ Class II insulation.
- ✓ Heating Cruise Control system HCC.
- ✓ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ✓ On-Off switch.
- ✓ Ratings from 500 W to 2000 W.
- ✓ Powder coated steel structure.
- ✓ Fitted with mains cable.
- ✓ Safety wall fixing devices for easy installation.
- ✓ Compatible with four or six orders PILOT WIRING multi-zone central controller, GIFAN standard.

Recommended sizes:

Input		Areas up to
Square 	500 W	18 m ³
	1000 W	42 m ³
Rectangular 	1500 W	60 m ³
	2000 W	84 m ³



Power	V	Hz	Ref. Smart Touch			Sizes and Weights			
			White Slate	Black Slate	White Cashmere	Length	Height	Depth	Weight
500 W	230 V	50 Hz	01050ST	02050ST	05050ST	50 cm	50 cm	7 cm	10,35 Kg
1000 W			01100ST	02100ST	05100ST				
1500 W			01150ST	02150ST	05150ST				
2000 W			01200ST	02200ST	05200ST	100 cm	50 cm	7 cm	20,20 Kg



* Calculation Based on an average of 7 Hours performance per day. At a tariff of 14.07 pence/kWh, VAT included

Smart Easy tech



From only
20p
running cost
per day*

Power
**500 W
1000 W
1500 W
2000 W**


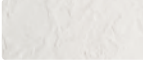
New
Easy Tech
control



Technical features:

- ✓ Dual Kherr Silicon Inertia front panel.
- ✓ TECH display with safety lock.
- ✓ Digital temperature selector for displaying set up temperature.
- ✓ Daily programmer.
- ✓ Built-in electronic ambient thermostat $\pm 0,05^{\circ}\text{C}$.
- ✓ Open window detector.
- ✓ Thermal safety cut out.
- ✓ Class II insulation.
- ✓ Heating Cruise Control system HCC.
- ✓ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ✓ On-Off switch.
- ✓ Ratings from 500 W to 2000 W.
- ✓ Powder coated steel structure.
- ✓ Fitted with mains cable.
- ✓ Safety wall fixing devices for easy installation.
- ✓ Compatible with four or six orders PILOT WIRING multi-zone central controller, GIFAN standard.

Recommended sizes:

Input		Areas up to
Square 	500 W	18 m ³
	1000 W	42 m ³
Rectangular 	1500 W	60 m ³
	2000 W	84 m ³



Power	V	Hz	Ref. Smart Easy Tech			Sizes and Weights			
			White Slate	Black Slate	White Cashmere	Length	Height	Depth	Weight
500 W	230 V	50 Hz	010500S	020500S	050500S	50 cm	50 cm	7 cm	10,35 Kg
1000 W			011000S	021000S	051000S				
1500 W			011500S	021500S	051500S				
2000 W			012000S	022000S	052000S	100 cm	50 cm	7 cm	20,20 Kg



* Calculation Based on an average of 7 Hours performance per day. At a tariff of 14.07 pence/kWh, VAT included

Smart Touch

Towel radiators



From only
20p
running cost
per day*


Power
500 W
1000 W

New
Touch
control

Technical features:

- ✓ Range of towel warmers designed to provide unparalleled comfort in the bathroom or kitchen.
- ✓ Supplied with a stainless steel towel bar.
- ✓ Availability of accessories to customize any combination: 51 cm towel bar and Pack (3 units) stainless steel hooks.
- ✓ Dual Kherr Silicon Inertia front panel.
- ✓ LCD touch display with safety lock.
- ✓ Digital temperature selector for displaying real temperature and set up temperature.
- ✓ Weekly / daily programmer.
- ✓ Digital adjustable thermometer.
- ✓ Built-in electronic ambient thermostat $\pm 0,05^{\circ}\text{C}$.
- ✓ Open window detector.
- ✓ Thermal safety cut out.
- ✓ Class II insulation.
- ✓ Heating Cruise Control system HCC.
- ✓ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ✓ On-Off switch.
- ✓ Ratings: 500 W and 1000 W.
- ✓ Powder coated steel structure.
- ✓ Fitted with mains cable.
- ✓ Safety wall fixing devices for easy installation.
- ✓ Compatible with four or six orders PILOT WIRING multi-zone central controller, GIFAN standard.

Recommended sizes:

Input		Areas up to
Square 	500 W	18 m ³
	1000 W	42 m ³



Description	Size	Weight	Ref
Stainless Steel Towel bar	51x50 (cm)	0,5 Kg	BT050X5



Description	Ref
Stainless Steel hooks (3 units)	PERINOX



Power	V	Hz	Ref. Smart Touch			Sizes and Weights			
			White Slate	Black Slate	White Cashmere	Length	Height	Depth	Weight
500 W	230 V	50 Hz	01050STTR	02050STTR	05050STTR	50 cm	50 cm	7 cm	10,35 Kg
1000 W			01100STTR	02050STTR	05100STTR				



* Calculation Based on an average of 7 Hours performance per day. At a tariff of 14.07 pence/kWh, VAT included


Smart Easy tech Towel radiators



Technical features:

- ✓ Range of towel warmers designed to provide unparalleled comfort in the bathroom or kitchen.
- ✓ Supplied with a stainless steel towel bar.
- ✓ Availability of accessories to customize any combination: 51 cm towel bar and Pack (3 units) stainless steel hooks.
- ✓ Dual Kherr Silicon Inertia front panel.
- ✓ TECH display with safety lock.
- ✓ Digital temperature selector for displaying set up temperature.
- ✓ Daily programmer.
- ✓ Built-in electronic ambient thermostat $\pm 0,05^{\circ}\text{C}$.
- ✓ Open window detector.
- ✓ Thermal safety cut out.
- ✓ Class II insulation.
- ✓ Heating Cruise Control system HCC.
- ✓ Three-level temperature selector: Comfort, Economy and Frost-protection.
- ✓ On-Off switch.
- ✓ Ratings: 500 W and 1000 W.
- ✓ Powder coated steel structure.
- ✓ Fitted with mains cable.
- ✓ Safety wall fixing devices for easy installation.
- ✓ Compatible with four or six orders PILOT WIRING multi-zone central controller, GIFAN standard.

Recommended sizes:

Input		Areas up to
Square 	500 W	18 m ³
	1000 W	42 m ³



Description	Size	Weight	Ref
Stainless Steel Towel bar	51x50 (cm)	0,5 Kg	BT050X5



Description	Ref
Stainless Steel hooks (3 units)	PERINOX



Power	V	Hz	Ref. Smart Easy Tech			Sizes and Weights			
			White Slate	Black Slate	White Cashmere	Length	Height	Depth	Weight
500 W	230 V	50 Hz	010500STR	020500STR	050500STR	50 cm	50 cm	7 cm	10,35 Kg
1000 W			011000STR	021000STR	051000STR				



* Calculation Based on an average of 7 Hours performance per day. At a tariff of 14.07 pence/kWh, VAT included

Slim Timer towel radiators

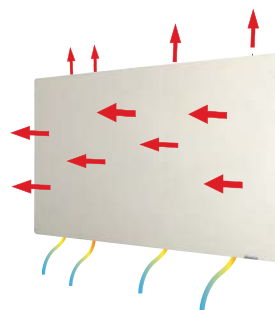
Silicon **DUAL-KHERR**® Patented System



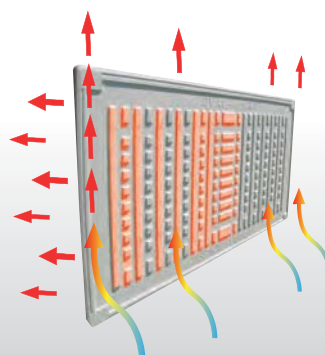
Dual-Kherr is the inertia front panel material used in our SLIM TOWEL RADIATOR range.

It is made of silicon oxide and aluminium oxide. Silicon is extremely good at storing heat, while aluminium is one of the best heat conductors.

With Dual-Kherr we guarantee the best heat transfer to the room while also reducing the energy consumption.



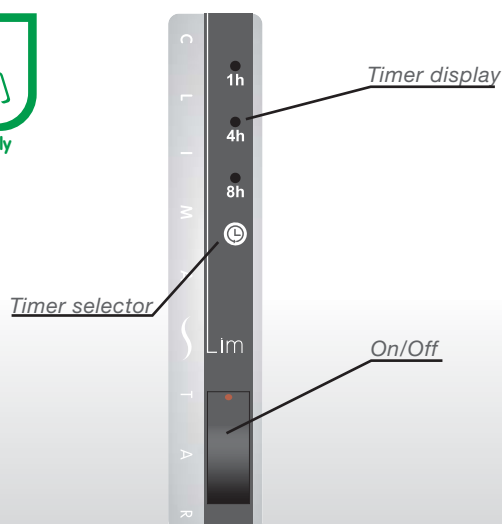
The front of the panel increases the heat transference to the room by radiation for longer periods due to its inertia capacity.



In the internal part of the panel you can see a "double core" conduction chamber that optimizes the heater convection process by improving the hot air distribution through the panel. This "double core" layout improves the heat absorption and transmits it to the front surface.



User friendly



Climastar SLIM towel radiators maintain the temperature for longer periods. This is the key factor to save energy and your money.

At the same time you are helping to reduce the carbon foot print and preserve the planet by choosing a heating system that respects the environment.



Multi-fittings options



Easy to install



Slim towel radiators provide different fitting options. Radiators can be mounted Vertically or Horizontally.

Slim inertia radiators



Only 8p
running cost
per day*
500 W
model

Only 4p
running cost
per day*
250 W
model

New
Timer
control



Technical features:

- ✓ Dual Kherr Silicon Inertia front panel.
- ✓ Digital control with timer.
- ✓ Thermal safety cut out.
- ✓ IP 44 protection, against dripping water.
- ✓ Class II insulation.
- ✓ On-Off switch.
- ✓ Ratings 250W and 500 W.
- ✓ Fitted with mains cable.
- ✓ Safety wall fixing for simple installation.
- ✓ Vertical or horizontal wall installation.
- ✓ Additional hooks as an option.



CE

Description	Ref
Stainless Steel hooks (3 units)	PERINOX

Power	Travertine	White Slate	Black Slate	Sizes and Weights	
				LxHxD	Weight
Slim Timer S 250W	06250TL	01250TL	02250TL	25x50x5 cm	5,20 kg
Slim Timer L 500W	06500TL	01500TL	02500TL	25x100x5 cm	9,85 kg



* Calculation Based on an average of 4 Hours performance per day. At a tariff of 14.07 pence/kWh, VAT included

Smart Easy Tech 1500 W 011500S

CLIMASTAR®



Smart inertia radiators

CLIMASTAR was founded in 1995, our first patent was in 1997 and now we are one of the leading European companies offering one of the most efficient heating systems in the world: **Silicon green heating.**

EFFICIENCY

Our patented DUAL KHERR inertia silicon concept is the best cost effective solution offering real measured energy savings in both electric and water heating solutions.

QUALITY

CLIMASTAR is fully committed to quality. We have complete control over the whole manufacturing processes in the company.

We are ISO 9001 Quality Control Management System certified by Lloyd's and UKAS. They certify the implementation and maintenance of this system through our cycle of continuous improvement in the performance of our procedures in all areas of the company, with the aim of achieving greater customer satisfaction.

CUSTOMER SERVICE

A product manufactured in accordance with the highest level of quality performance deserves to be complemented by excellent service. At CLIMASTAR, all departments are customer-oriented, offering quick and efficient solutions to any issue that may arise. If you have any queries, please email us at sales@climastar.co.uk or call us at **01942 670158**.

AFTER-SALES TECHNICAL SUPPORT

At CLIMASTAR we are committed to customer service. 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. Please do contact us at technical@climastar.co.uk.

PROJECTS AND PROFESSIONAL ADVICE

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. Also you can get the assistance you need in order to solve any technical concerns you may have. We will provide direct and personalised assistance at advice@climastar.co.uk

SUSTAINABILITY

You are helping to reduce the carbon foot print and preserve the planet by choosing a heating system respectful with the environment.



Climastar Head Office, Asturias, Spain.

Travertine

White Cashmere

Black Slate

White Slate



Choose Climastar and you are helping to reduce your carbon foot print and to preserve the planet by choosing a heating system that respects the environment



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