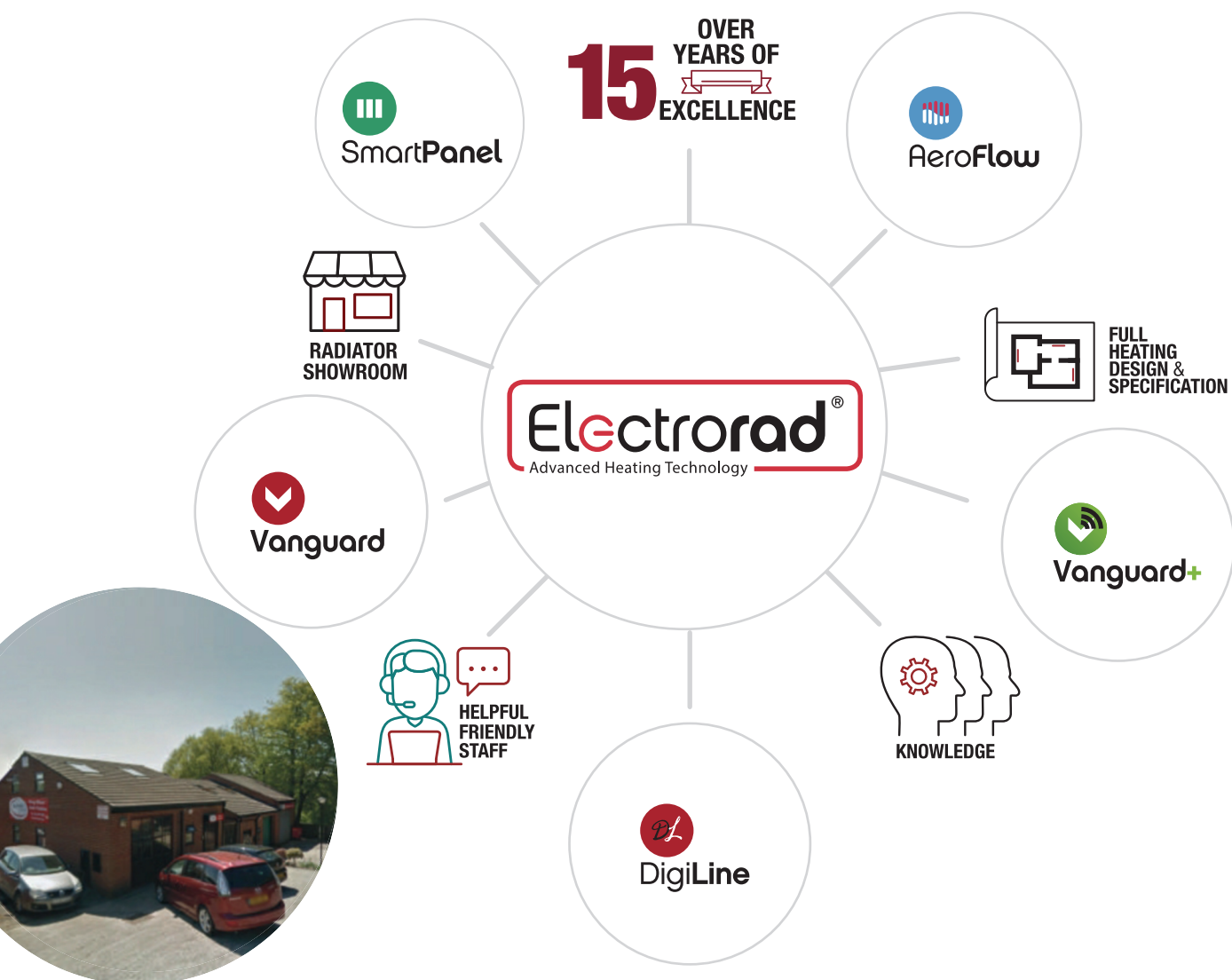


# ELECTRIC RADIATORS

March 2020



## WHO ARE ELECTRORAD



Electrorad UK Ltd is a leading electric heating designer, manufacturer and distributor.

Established in 2000 and has been growing exponentially ever since.

Large stocks are held for rapid delivery.

Electrorad occupies the enviable position of being the sole UK manufacturers or importers of the electric heating products shown in this brochure - AeroFlow, Digi-Line, Vanguard, Smartpanel & electric towel rail ranges. We have been working very hard since 2000 to ensure that the most effective and efficient products are available.

Our expert members of staff, are on hand to help you understand all the benefits, as well as talking you through the finest selections of electric radiators and electric heating solutions. We ensure that you can find the perfect heating system for your needs and receive one of the most professional and friendly services now available on the market.

Go to [www.electrorad.co.uk](http://www.electrorad.co.uk)



Find out more about electric heating

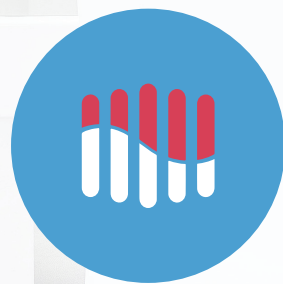


Watch our product videos



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# AeroFlow



The AeroFlow range has fireclay (schamotte) plates housed in the centre of the radiator.





FAST HEAT UP



100% ENERGY  
EFFICIENT



NO MAINTENANCE  
REQUIRED



HIGHLY  
ACCURATE



NO FLUIDS =  
NO LEAKS



30 year guarantee inc electrical  
elements - Industry best







AeroFlow

Manufactured in Germany to the high engineering standards for which German engineering is renowned.

MADE  
IN  
GERMANY





## Each heat plate has a coiled heating element totally buried within it, forming an integral part of the heat plate.

Each heat plate has a low wattage element inside and multiple plates are used to make up the total power of the radiator. When the radiator is switched on, the element gets hot instantly, transmitting the heat generated to the heat plate within a matter of minutes.

The hot plate transmits the heat to the metal casing and flutes of the radiator which then heats the room by radiated heat, in the same way as a normal central heating radiator with the added advantage of powerful convection heat through the hollow flutes.

Each radiator has a highly accurate digital electronic thermostat and 7 day 24 hour timing control built-in or optionally can be operated by app control. Each of these methods measures the air temperature of the room allowing the room temperature to be regulated to maintain a pre-determined temperature set by the user.

As the temperature drops in a room the thermostat senses the change and switches the radiator on, perhaps for only a minute to re-heat the internal plates. This continual dynamic re-heat process works to accurately maintain the room temperature. This ability to sense temperature changes and react immediately to them is one of the great benefits of this type of heating.

Not to be confused with night storage heaters, which require an overnight charge, these heaters can be used any part of the day or night. These radiators are designed to run on standard electricity tariffs however special tariffs are available offering low cost electricity overnight, during the day and evening.

Manufactured in Germany to the high engineering standards for which German engineering is renowned. The radiators are produced in the most modern and technologically advanced factory of its kind.

The radiators have been available throughout Europe for more than 30 years and from Electrorad in the U.K for more than 10 years.

Electrorad are the sole U.K importer and distributor for this leading German manufacturer. Recent tests have confirmed that the product is manufactured to the very latest European safety standards. Only top quality components are used in the manufacturing of AeroFlow radiators.

### AEROFLOW RADIATOR COMPARED TO STANDARD HEATING

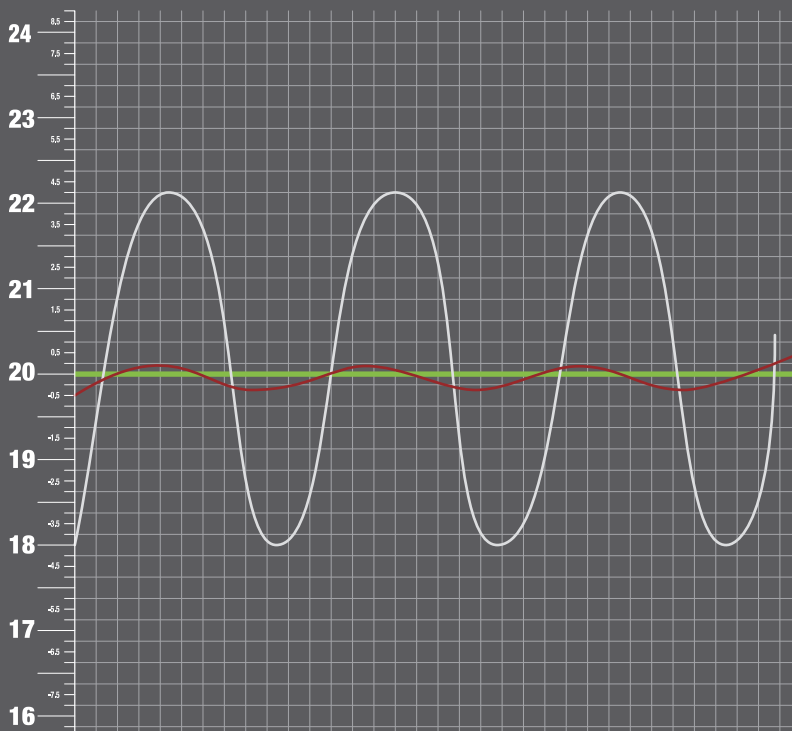
AeroFlow radiators have extremely accurate thermostat control.

The room temperature will be maintained accurately with minimum energy use

**AEROFLOW TEMP**  
ACCURATE TO WITHIN 0.1°C

**DESIRED TEMP.**

**STANDARD HEATER**





## WHY AEROFLOW GERMAN RADIATORS?

- ▶ No maintenance
- ▶ Fully controllable
- ▶ No fuel storage required
- ▶ Only pay for fuel as its used
- ▶ No smells
- ▶ No exhaust gases
- ▶ Simple installation
- ▶ Fully automatic controls
- ▶ Ideal conservatory heater
- ▶ Available wall mounted or free standing
- ▶ 30 Year guarantee (2 years guarantee on the thermostats)
- ▶ High performance
- ▶ Absolutely no servicing costs
- ▶ Long lifespan ensured by quality materials and excellent construction

### 1 Refractory Fireclay Heat Plate

Transfer of the heat from the elements to the radiant surface of the radiator

### 2 Steel Casing

zinc galvanised  
- they will never rust

### 3 Powder Coating

never needs painting

### 4 Large Rounded Hollow Flutes

act like chimneys to produce convection heat and rapidly warm the room

### 5 Safety cut-out

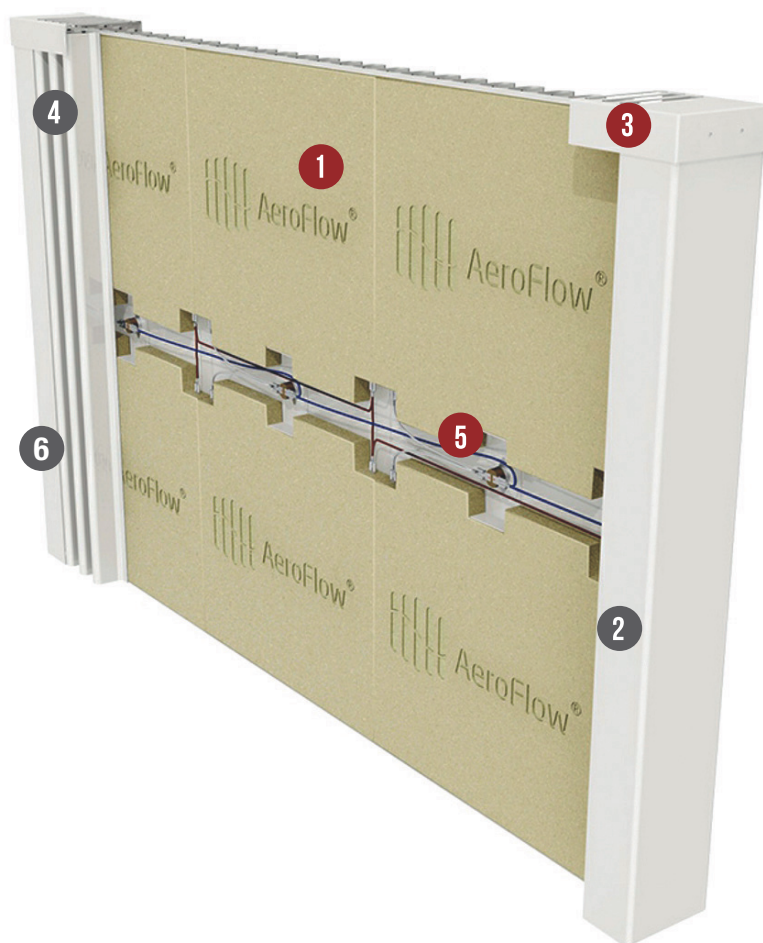
if the radiator is covered and over heats this switch will cut the power to the elements

### 6 Easy connector

For easy connection of the side panel if new electronics are ever needed

### \* Ingress Protection

IPx3





## OPTIONS



### ► Digital Thermostat and Programming System

The built in control system is mounted in the radiator end panel. It has a room air temperature sensor below the radiator sensing the coldest air in the room. The thermostat is capable of maintaining a room temperature setting within +/- 0.1 deg C.

This control includes a 7 day 24 hour programming system allowing the user to preset the required temperatures and heating times for the whole week.

Each radiator and each room can be set to different temperatures and times if required.

### ► Energy Saving Features

#### Open window sensing

This ensures no energy is wasted when a window is opened by stopping the radiator heating

#### Adaptive start function

Learns how long it takes to heat a room and always turns on at the right time

### ► Zoned control and easy use

Every radiator has its own room thermostat built in. These thermostats are highly accurate and operate silently.

Instead of the traditional 1 or 2 zone heating systems, with AeroFlow every room is a separate heating zone meaning absolute control of comfort and energy use.

Each room can be programmed to be on at different times and at different temperatures throughout the day and throughout the week.

The programming and thermostat setting can either be done on the radiator or from the app if the optional WiFi gateway has been purchased.

If you would like to have control over your AeroFlow heating system when away from your property you could choose to have the AeroFlow gateway.

This will give you app control from a Smartphone or tablet and the ability to amend programmes and temperatures for each room from anywhere in the world.

The current ambient temperature of each room can be seen on the app.

The app is available for free download to Apple and Android devices



## OPTIONS

### ► Vertical Version

Suitable for any installation where horizontal wall space is a problem but height is not



### ► Towel Rail

Designed for use with the AF01 and AF10 models. Installation is easy - just lift the top grill and clip the towel rail attachment over the radiator. Allows for towel drying without compromising radiator safety.



### ► Caster Options

The castors slot into the flutes underneath the radiator and allow the radiator to free stand and be easily movable.



### ► Colour Options (RAL)

AeroFlow radiators can be ordered in any RAL colour. Please be aware there is an extra cost and longer lead time.



## ► APP OPTIONS

**AeroFlow radiators have radio receivers built in which allow bi-directional radio communication.**

**This allows us to offer state of the art controls with WiFi integration and App control.**

To use the app system you will need to purchase the AeroFlow gateway which plugs in to your home WiFi router.

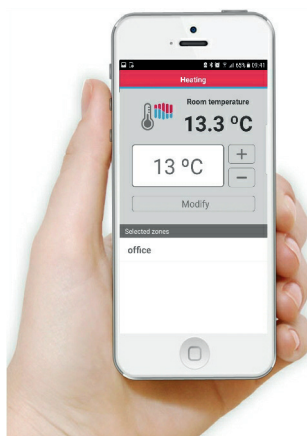


### ► App uses built in thermostats

The AeroFlow gateway communicates with the built in radiator thermostats

They will control the ambient temperature in each room separately and signal back what the current room temperature is.

This can then be viewed and controlled from the app on your smartphone or tablet.



### ► AeroFlow WiFi Gateway

This is the WiFi gateway that enables app control. You will need one of these per property. It comes with an ethernet cable to connect to your existing internet router and also comes with a 3 pin plug for mains power.

Once set up, this gateway will communicate with the radiator thermostats and your app which is a free download from Apple app store or Google play.

From the app you can set all your heating programming and temperatures for each individual room. This can be done from in the property and also away from the property from anywhere in the world.







MODEL REF.	OUTPUT (WATTS)	OUTPUT (BTU)	HEIGHT (mm)	LENGTH (mm)	DEPTH (mm)	WEIGHT (kg)
AF01	650	2217	610	380	90	17
AF03	1300	4435	610	680	90	30
AF05	2000	6824	610	980	90	45
AF07	2500	8530	610	1280	90	55
AF10	1600	5459	1220	380	90	34
AF12	1200	4094	325	980	90	25
AF14	2000	6824	325	1580	90	40

\*For properties with average insulation and standard double glazing please allow 100watts per sq metre of floor space (e.g 4m x 3m = 12m x 100 = 1200watts required). For older properties allow 130watts per sq metre and for new builds allow 80watts per sq metre.

\*\* Electrorad UK Ltd reserve the right to amend or change any product specifications without prior notice\*\*





# Vanguard

The Vanguard range is manufactured using Aluminium for lightness and for a fast heat transfer to the radiant surface area.





**SLEEK STYLISH  
DESIGN**



**USER FRIENDLY  
CONTROLS**



**UNBEATABLE  
PRICE**



**GREAT  
PERFORMANCE**



**CLEAR LOGIC**  
Electronic thermostat control  
chip ensures minimum  
energy use



**TRULY SILENT**



**EXTREMELY ACCURATE**



**ENERGY EFFICIENT**

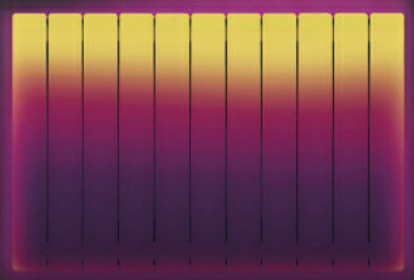
**TRIAC  
TECHNOLOGY**



The radiators are manufactured using the very latest technologies and components available.



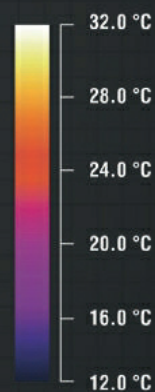
**VANGUARD RADIATOR  
COMPARED TO  
CONVECTOR HEATER**



**CONVECTOR HEATER**



**VANGUARD RADIATOR**



The digital electronic thermostats are highly accurate, ensuring optimum comfort and economy. Vanguard radiators are certified to the highest standards for safety and quality control.

Internally, the radiators have a ceramic core. Ceramic is a material with fantastic heat conduction and heat retention properties.

There are no fluids inside, meaning a lifetime guarantee that there will be no leaks.

## Energy Saving

Using the very latest digital electronic thermostat technology and having the built in capability for programming times and temperatures means that only the energy absolutely needed is used.

The built in digital electronic thermostat and 24hr/7 day programming system is sited on the top of the radiator for easy programming access. The room air temperature is sensed below the radiator where the air is coldest. The thermostat accuracy is  $\pm 0.1^{\circ}\text{C}$ .

There are 9 factory pre-set programs to suit most lifestyles and a user programming option if the pre-set programs are not suitable.

### Open Window Sensing

The radiators will sense when a window has been opened and stop producing heat until the window is closed.

### Adaptive Start Function

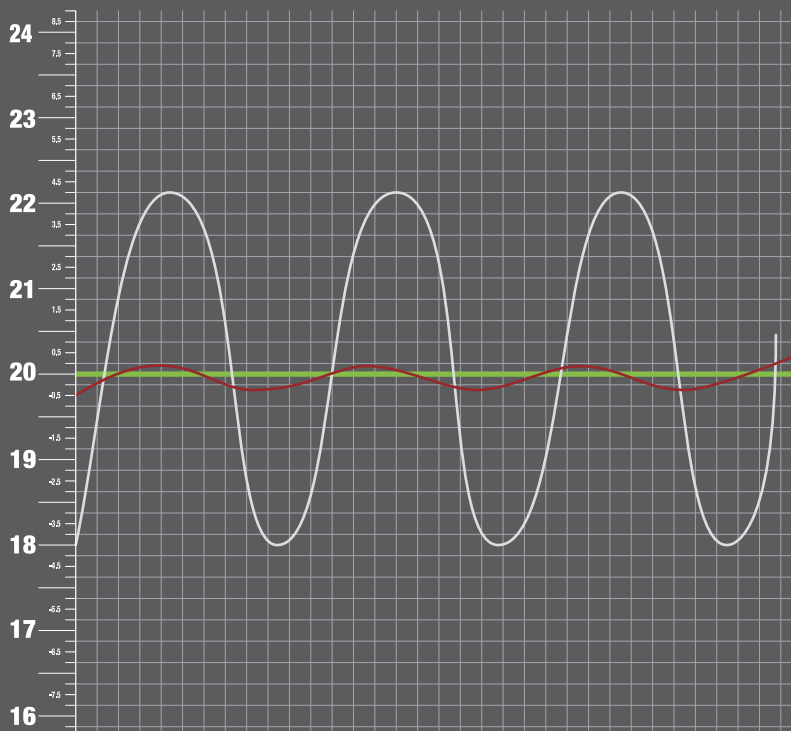
The Vanguard radiator learns the correct time to switch on, so no more guessing what time to program. Just tell the radiator what temperature you want the room to be at and what time, the Vanguard radiator will do the rest!

### Energy Monitoring

This function can tell you the energy consumed in each day/ week/ month or year.

Vanguard radiators do not need a circulation pump, or any moving parts. The ceramic element naturally produces radiant and convection heat into the room.

The thermostat and program controls are positioned on the top of the radiator for easy programming and to retain the clean lines.



## VANGUARD RADIATOR COMPARED TO STANDARD HEATING

The Vanguard radiator maintains the room temperature very accurately ensuring minimal energy use and ultimate comfort

### KEY:

**VANGUARD TEMP**  
ACCURATE TO WITHIN 0.1°C

**DESIRED TEMP.**

**STANDARD HEATER**

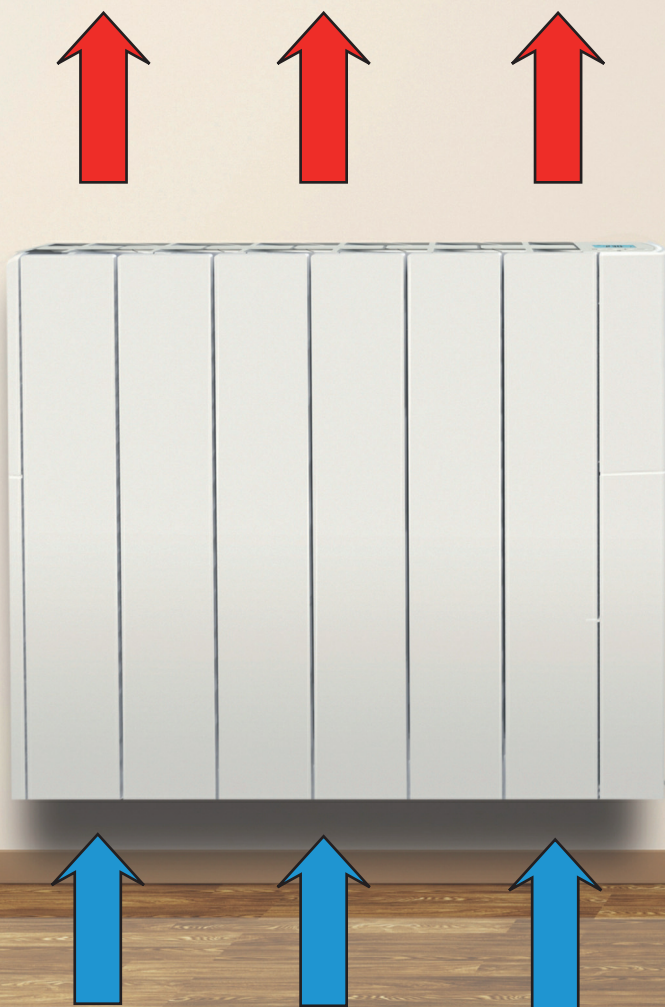


## HOW THE VANGUARD WORKS

The heat transferred to the surface area creates radiant heat which directly heats people and objects, like the rays of the sun.

The colder air from the floor is drawn up and channelled through the fins of the radiator creating convection to heat the air in the room. The element is sealed away meaning there are no burning dust smells and no unsightly brown marks will appear.

- ▶ Available in 4 sizes
- ▶ Sealed element
- ▶ No burning smells
- ▶ Doesn't mark walls







## ITCS Adaptive start function

ITCS intelligent control system ensures that you always have the right temperature in the room at the right time while ensuring minimum energy is used.

ITCS will learn the heat up characteristics of your property and will know how long it will take to raise your room temperature. The radiator will power up at the correct time to provide the comfort temperature you want at the time you want.

No more guessing how long it might take to heat your rooms - just leave it to ITCS.

## ENERGY SAVING FEATURES OF VANGUARD CERAMIC CORE RADIATORS

- ▶ High accuracy thermostats
- ▶ 7 day / 24hr programming
- ▶ 9 pre set programs
- ▶ Comfort and economy settings
- ▶ Ceramic core for heat transfer
- ▶ Open window sensing  
-Turns off if a window is opened
- ▶ ITCS adaptive start function  
-Learns when to switch on
- ▶ Low energy use on standby
- ▶ Output up to 2kw
- ▶ Available wall mounted or free standing
- ▶ 5 Year guarantee\*
- ▶ Energy use monitor
- ▶ Surface temperature limitation
- ▶ Radiator body constructed from pure aluminium

\*2 years on electrics and electronics

- 1 Ceramic Heat Core**  
rapid heat up and no fluids
- 2 Digital Electronic Thermostat**  
with triac technology for silent operation and extremely accurate temperature control
- 3 7 Day 24 Hour Programming**  
with comfort, economy and frost protection settings to ensure optimum comfort
- 4 Aluminium Construction**  
lightweight
- 5 Control On The Top**  
easier to use and doesn't spoil the good looks of the radiator
- 6 Available in 750w to 2000 watt power**
- \* Ingress Protection**  
IP24







MODEL REF.	OUTPUT (WATTS)	OUTPUT (BTU)	HEIGHT (mm)	LENGTH (mm)	DEPTH (mm)	WEIGHT (kg)
VA0750	750	2559	575	415	95	11
VA1000	1000	3412	575	575	95	13
VA1500	1500	5118	575	735	95	17
VA2000	2000	6824	575	895	95	21

\*For properties with average insulation and standard double glazing please allow 100watts per sq metre of floor space (e.g 4m x 3m = 12m x 100 = 1200watts required). For older properties allow 130watts per sq metre and for new builds allow 80watts per sq metre.

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# Vanguard+

The Vanguard+ comes with all the Vanguard range features and also has inbuilt geolocation function and app controllability.



WORKS WITH  
amazon alexa





**SLEEK STYLISH  
DESIGN**



**USER FRIENDLY  
CONTROLS**



**UNBEATABLE  
PRICE**



**GREAT  
PERFORMANCE**



**CLEAR LOGIC**  
Electronic thermostat control  
chip ensures minimum  
energy use



**TRULY SILENT**



**EXTREMELY ACCURATE**



**ENERGY EFFICIENT**



**TRIAC  
TECHNOLOGY**



**Ecodesign  
Lot 20  
Compliant**





Vanguard+

The radiators are manufactured using the very latest technologies and components available.





The digital electronic thermostats are highly accurate, ensuring optimum comfort and economy. Vanguard WiFi radiators are certified to the highest standards for safety and quality control.

Internally, the radiators have a ceramic core. Ceramic is a material with fantastic heat conduction and heat retention properties. There are no fluids inside, meaning a lifetime guarantee that there will be no leaks.

## Energy Saving

Using the very latest digital electronic thermostat technology and having the built in capability for programming times and temperatures means that only the energy absolutely needed is used.

The built in digital electronic thermostat and 24hr/7 day programming system is sited on the top of the radiator for easy programming access. The room air temperature is sensed below the radiator where the air is coldest. The thermostat accuracy is  $\pm 0.1^{\circ}\text{C}$ .

There are 9 factory pre-set programs to suit most lifestyles and a user programming option if the pre-set programs are not suitable.

### Open Window Sensing

The radiators will sense when a window has been opened and stop producing heat until the window is closed.

### Adaptive Start Function

The Vanguard WiFi radiator learns the correct time to switch on, so no more guessing what time to program. Just tell the radiator what temperature you want the room to be at and what time, the radiator will do the rest!

### Energy Monitoring

This function can tell you the energy consumed in each day/ week/ month or year.

Vanguard WiFi radiators do not need a circulation pump, or any moving parts. The ceramic element naturally produces radiant and convection heat into the room.

The thermostat and program controls are positioned on the top of the radiator for easy programming and to retain the clean lines.

## VANGUARD WiFi RADIATOR COMPARED TO STANDARD HEATING

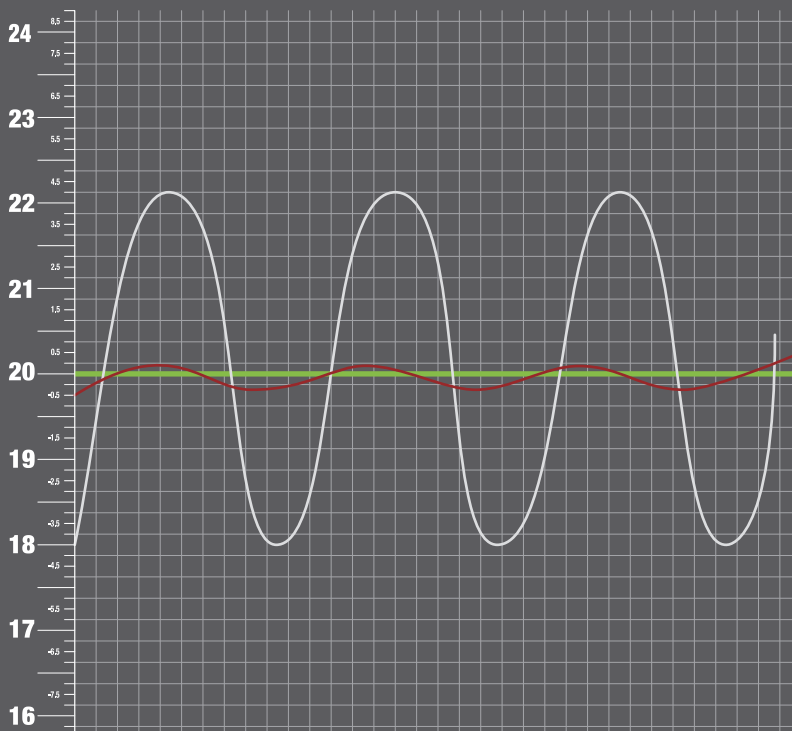
The Vanguard WiFi radiator maintains the room temperature very accurately ensuring minimal energy use and ultimate comfort.

### KEY:

**VANGUARD TEMP**  
ACCURATE TO WITHIN  $0.1^{\circ}\text{C}$

**DESIRED TEMP.**

**STANDARD HEATER**













Vanguard+

## HOW THE VANGUARD WiFi **WORKS**

The heat transferred to the surface area creates radiant heat which directly heats people and objects, like the rays of the sun.

The colder air from the floor is drawn up and channelled through the fins of the radiator creating convection to heat the air in the room. The element is sealed away meaning there are no burning dust smells and no unsightly brown marks will appear on the walls.

- ▶ Available in 4 sizes
- ▶ Sealed element
- ▶ No burning smells
- ▶ Doesn't mark walls

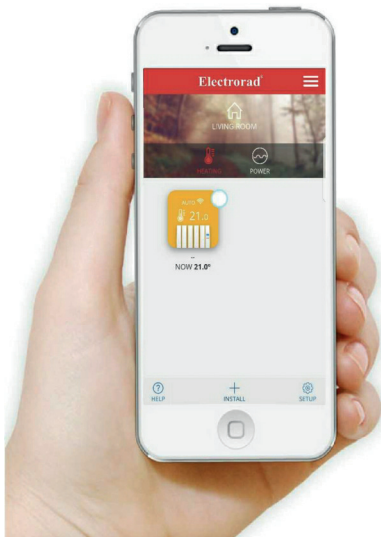




## APP CONTROL

### Control your Vanguard radiators from your mobile phone, tablet or PC!

With our WiFi control kit installed you will be able to control the temperature and operating times of every individual radiator in your property from anywhere in the world. You will also be able to see what the current ambient temperatures are in each room and the current status of each connected device.



### ► Geolocation function

1. Choose a distance when going away from home for the heating system to move to the reduced temperature
2. Choose a distance when returning home for the heating system to move to its comfort setting.

The app uses the GPS on your mobile phone to know how far from home you are.

Using this function you can ensure your heating is never on and wasting energy heating an empty home.

You can also be sure that your home will always be warm to walk in to.



### ► The WiFi Gateway

(one needed per system)

The WiFi gateway plugs in to the back of the internet router with an ethernet cable.

The radiators all communicate by radio signals to the WiFi gateway which allows access via your mobile phone, tablet or PC.



### ► Voice control

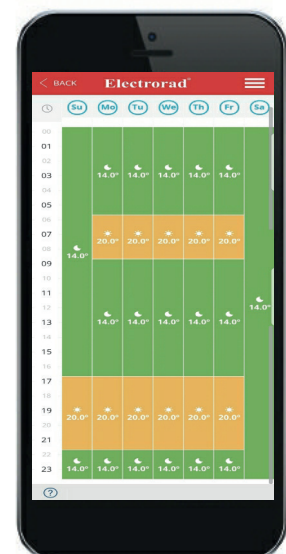
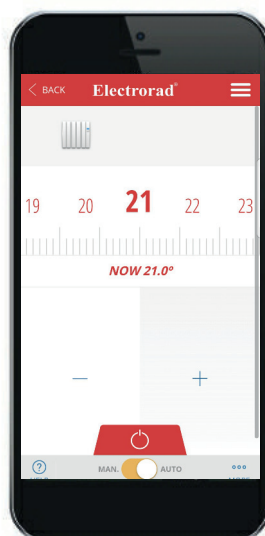
‘Alexa turn on the living room radiator’



### Our free to download app available for Android and iOS devices gives control of room temperatures and programming.

Every room can have scheduled heating times and room temperature changes.

The current room temperature is shown and also the target temperature as set by the user.





## ENERGY SAVING FEATURES OF VANGUARD WiFi RADIATORS

- ▶ High accuracy thermostats
- ▶ 7 day / 24hr programming
- ▶ 9 pre set programs
- ▶ Comfort and economy settings
- ▶ Ceramic core for heat transfer
- ▶ Open window sensing  
-Turns off if a window is opened
- ▶ ITCS adaptive start function  
-Learns when to switch on
- ▶ Low energy use on standby
- ▶ Output up to 2kw
- ▶ Available wall mounted or free standing
- ▶ 5 Year guarantee\*
- ▶ Energy use monitor
- ▶ Surface temperature limitation
- ▶ Geolocation function
- ▶ WiFi App control

\*2 years on electrics and electronics

- 1 Ceramic Heat Core**  
rapid heat up and no fluids
  - 2 Digital Electronic Thermostat**  
with triac technology for silent operation and extremely accurate temperature control
  - 3 7 Day 24 Hour Programming**  
with comfort, economy and frost protection settings to ensure optimum comfort
  - 4 Aluminium Construction**  
lightweight
  - 5 Control On The Top**  
easier to use and doesn't spoil the good looks of the radiator
  - 6 Available in 750w to 2000 watt power**
- \* Ingress Protection**  
IP24







MODEL REF.	OUTPUT (WATTS)	OUTPUT (BTU)	HEIGHT (mm)	LENGTH (mm)	DEPTH (mm)	WEIGHT (kg)
VA0750W	750	2559	575	415	95	11
VA1000W	1000	3412	575	575	95	13
VA1500W	1500	5118	575	735	95	17
VA2000W	2000	6824	575	895	95	21

\*For properties with average insulation and standard double glazing please allow 100watts per sq metre of floor space (e.g 4m x 3m = 12m x 100 = 1200watts required). For older properties allow 130watts per sq metre and for new builds allow 80watts per sq metre.

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# DigiLine



The DigiLine range is designed to look  
and feel just like gas central heating systems  
but without the pipes!





**SLEEK STYLISH  
DESIGN**



**USER FRIENDLY  
CONTROLS**



**UNBEATABLE  
PRICE**



**GREAT  
PERFORMANCE**



**CLEAR LOGIC**  
Electronic thermostat control  
chip ensures minimum  
energy use

**MADE IN BRITAIN** 



**WIFI APP**



**DIGITAL ELECTRONIC  
THERMOSTAT**



**CENTRAL  
RADIATOR FINS**





**DigiLine** MADE IN BRITAIN 





## Energy Saving Features

Radiant heat warms people directly, just like the sun's rays and the convection heat warms the air.

Digi-Line radiators do not need a circulation pump, or any moving parts so there is absolutely silent operation and nothing to wear out.

Electric dynamic fluid filled radiator with integrated digital room Thermostat.

Manufactured using the latest technology available. Designed to look and work just like a traditional wet central heating system and built with quality materials to the highest technical standards gained through years of experience in the heating industry. Manufactured to the latest safety standards and carries the European safety CE mark.

## Open Window Feature

The radiator senses when a window has been opened. It will automatically shut itself down to save energy from being wasted.

## Adaptive Start Function

The radiator will learn how long it takes to heat a room and switch on at the optimum time. This saves energy and also ensures the rooms are always at the temperature you want, at the time you want.

## Smart Independent Panel Control

When using the double panel radiator the two heat panels can operate separately from each other to ensure the most efficient use of energy and maximum comfort. With the smart panel control active, and when the room is within 1°C of the desired temperature, only the front panel will operate using its smaller element therefore less energy is used and the radiant heat produced makes the occupant feel warm and cosy. The rear panel then acts as an insulator and helps to prevent heat loss, especially useful when a radiator is on an outside wall.

The Digi-Line Internal thermostat has an integral micro chip which will maintain a room temperature with an accuracy of  $\pm 0.1^\circ\text{C}$ , ensuring a minimum of energy usage and optimum comfort.

Each radiator can be used independently with the integral digital electronic thermostat and 24/7 programming system or can be centrally controlled using either the optional 4 zone radio frequency programmer or Touch E3 WiFi control/gateway.

## DIGI-LINE RADIATOR COMPARED TO STANDARD HEATERS

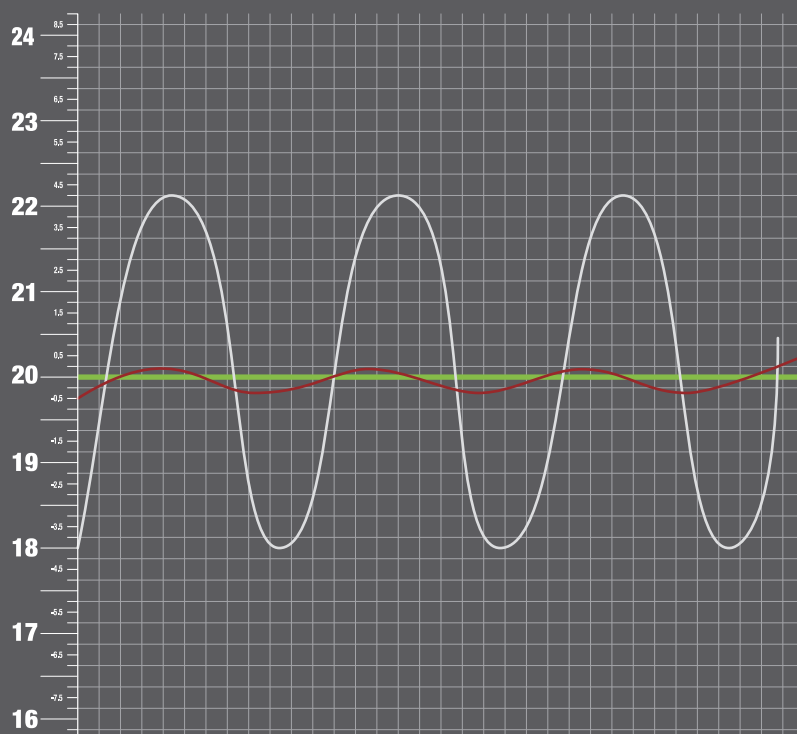
The Digi-Line radiator maintains the room temperature very accurately ensuring minimal energy use and ultimate comfort.

### KEY:

**DIGI-LINE TEMP**  
ACCURATE TO WITHIN 0.1°C

**DESIRED TEMP.**

**STANDARD HEATER**





**DigiLine** MADE IN BRITAIN 

## Touch E3-touchscreen with WiFi gateway and app control.

The touchscreen central control (shown below) is your central heating control for the Digi-Line range. The touchscreen communicates with the built in radio receivers in each radiator and allows you to control every room in the house by radio signals from one location.

The touchscreen also communicates wirelessly with your home WiFi network and allows you to control your Digi-Line radiators from anywhere in the world via your smartphone, tablet or PC. The smartphone and tablet app - 'Clevertouch' is a free download for Android and Apple devices.







## Control your home wirelessly with the Touch E3 and remotely with the Clevertouch app.

The heating status of each room in the property can be seen at a glance – The current room temperature, the current heating mode and the thermostat set point.

Any of the rooms can be selected and a new screen will be presented, allowing you to amend temperature settings, programs and heating modes.

The touchscreen even has a built in energy monitor 'smart meter' to help you keep track of your electricity usage and keep your heating costs down. The controller will tell you how much energy each individual radiator has used and also the entire system has used over a day, a week, a month and a year. The Touch E3 is mains powered and supplied with a USB to 3 pin plug for a free-standing option or there is a mains connection with back board for those who prefer to wall mount it.

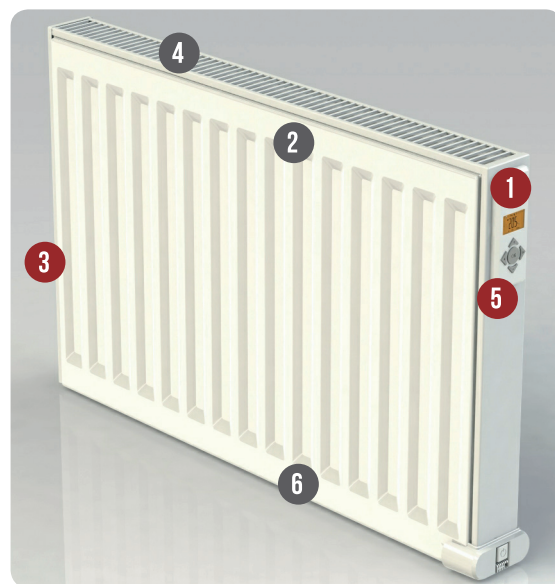


## ENERGY SAVING FEATURES OF DIGILINE ELECTRIC RADIATORS

- ▶ No maintenance
- ▶ 7 day / 24hr programming
- ▶ ITCS Adaptive start function  
-Learns when to switch on
- ▶ Touchscreen central control
- ▶ Open window sensing  
-Turns off if a window is opened
- ▶ Energy management chip  
-Ensures minimum use of electricity
- ▶ Simple installation
- ▶ Fully automatic controls
- ▶ Ideal conservatory heater
- ▶ App control available  
-Touch E3 required
- ▶ 10 Year guarantee\*
- ▶ High Performance
- ▶ Absolutely no servicing costs
- ▶ Long lifespan ensured by quality materials and excellent construction

\*2 years on electrics and electronics

- 1 Digital thermostat**  
with triac technology for silent operation and extremely accurate temperature control
- 2 Steel Construction**  
zinc galvanised and powder coated for a durable finish
- 3 Thermal fluid filled**  
Rapid heat up and good radiant heat
- 4 Available in single panel with convection fins or double panel with convection fins**  
Double panel models allow a greater heat output for the size of radiator and have a heating element in each panel
- 5 7 Day 24 Hour Programming**  
with comfort, economy and frost protection settings to ensure optimum comfort
- 6 Available in 250 watts to 2000 watts power**
- \* Ingress Protection IP44**



## Radio Frequency Controller

The optional central programmer is battery powered and uses radio frequency signals to communicate with the electric radiators, so no wiring is required. It can be wall mounted or free standing. All radiators can have different temperature settings, and every zone can have different operating times. The central programmer is capable of separately programming up to 4 separate zones.







MODEL REF.	OUTPUT (WATTS)	OUTPUT (BTU)	HEIGHT (mm)	LENGTH (mm)	DEPTH (mm)	WEIGHT (kg)
<b>Single Panel Radiators</b>						
DE50SC55	500	1707	500	550	60	11
DE50SC80	750	2560	500	800	60	15
DE50SC105	1000	3414	500	1050	60	20
DE50SC130	1250	4268	500	1300	60	23
DE30SC40	250	1366	300	400	60	6
DE30SC80	500	1707	300	800	60	10
DE30SC110	750	2560	300	1100	60	13
DE30SC150	1000	3414	300	1500	60	17
<b>Double Panel Radiators</b>						
DE50DX40	500	1707	500	400	80	14
DE50DX50	750	2560	500	500	80	17
DE50DX65	1000	3414	500	650	80	20
DE50DX80	1250	4268	500	800	80	24
DE50DX95	1500	5121	500	950	80	30
DE50DX125	2000	6828	500	1250	80	37
DE30DX50	500	1707	300	500	80	10
DE30DX80	750	2560	300	800	80	15
DE30DX100	1000	3414	300	1000	80	20
DE30DX130	1250	4268	300	1300	80	25
DE30DX160	1500	5121	300	1600	80	30
DE30DX200	2000	6828	300	2000	80	36

\*For properties with average insulation and standard double glazing please allow 100watts per sq metre of floor space (e.g 4m x 3m = 12m x 100 = 1200watts required). For older properties allow 130watts per sq metre and for new builds allow 80watts per sq metre.

\*\* Electrorad UK Ltd reserve the right to amend or change any product specifications without prior notice\*\*





# SmartPanel

All the good looks and features of an  
electric radiator at the price of a panel  
heater







**SLEEK STYLISH  
DESIGN**



**USER FRIENDLY  
CONTROLS**



**UNBEATABLE  
PRICE**



**GREAT  
PERFORMANCE**



**CLEAR LOGIC**  
Electronic thermostat control  
chip ensures minimum  
energy use



**TRULY SILENT**



**EXTREMELY ACCURATE**



**ENERGY EFFICIENT**



**TRIAC  
TECHNOLOGY**





SmartPanel





The digital electronic thermostats are highly accurate, ensuring optimum comfort and economy. Smartpanel heaters are certified to the highest standards for safety and quality control.

Internally, the heaters have an extruded aluminium element to provide a very quick heat up time.

There are no fluids inside, meaning a lifetime guarantee that there will be no leaks.

## Energy Saving

Using the very latest digital electronic thermostat technology and having the built in capability for programming times and temperatures means that only the energy absolutely needed is used.

The built in digital electronic thermostat and 24hr/7 day programming system is sited on the top of the heater for easy programming access. The room air temperature is sensed below the Smartpanel where the air is coldest. The thermostat accuracy is  $\pm 0.2^{\circ}\text{C}$ .

There are 9 factory pre-set programs to suit most lifestyles and a user programming option if the pre-set programs are not suitable.

### Open Window Sensing

The heaters will sense when a window has been opened and stop producing heat until the window is closed.

### Adaptive Start Function

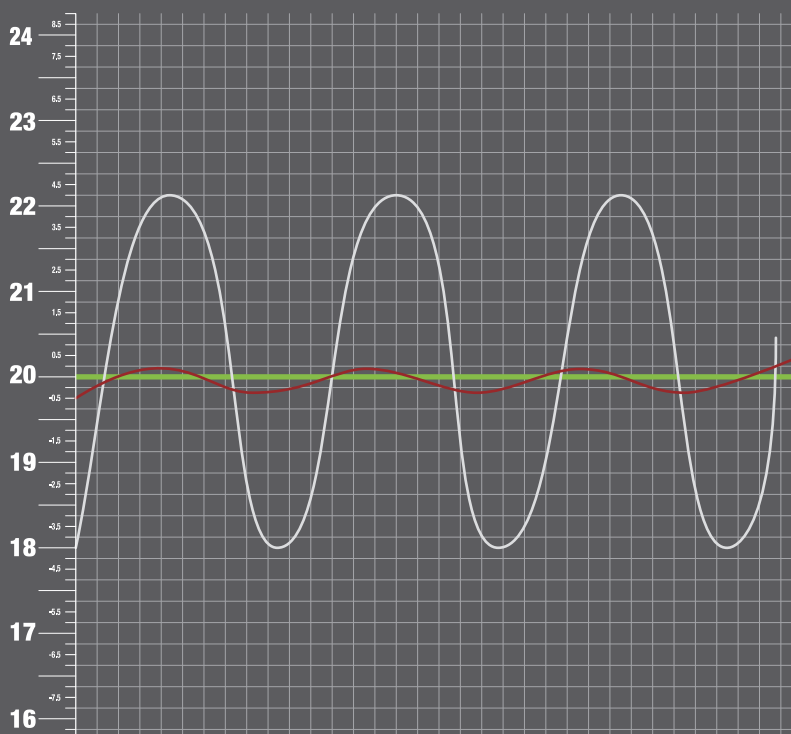
The Smartpanel learns the correct time to switch on, so no more guessing what time to program. Just tell the heater what temperature you want the room to be at and at what time, the Smartpanel will do the rest!

### Energy Monitoring

This function can tell you the energy consumed in each day/ week/ month or year.

Smartpanel does not need a circulation pump, or any moving parts. The aluminium element naturally convects heat into the room without using fluids.

The thermostat and program controls are positioned on the top of the heater for easy programming and to retain the clean lines.



## SMARTPANEL COMPARED TO STANDARD HEATING

THE SMARTPANEL THERMOSTAT CONTROL IS EXTREMELY ACCURATE AND WILL ENSURE MINIMUM ENERGY USE AND ULTIMATE COMFORT

### KEY:

**SMARTPANEL**

**DESIRED TEMP.**

**STANDARD CONVECTOR HEATER**



## SMARTPANEL ENERGY SAVING FEATURES

- ▶ Open window sensing
  - Turns off if a window is opened
- ▶ Adaptive start function
  - Learns when to switch on
- ▶ Consumption monitor
  - Energy use statistics
- ▶ Energy management chip
  - Ensures minimum use of electricity
- ▶ Extruded aluminium element
  - Fast heat up and long lifespan
- ▶ No fluids
- ▶ Simple installation
- ▶ Fully automatic controls
- ▶ Ideal full house heating
- ▶ Wall brackets supplied
- ▶ 2 year guarantee
- ▶ High performance
- ▶ Absolutely no servicing costs
- ▶ Long lifespan ensured by quality materials and excellent construction



- 1 Extruded Aluminium Element**  
rapid heat up and no fluids
  - 2 Digital Electronic Thermostat**  
with triac technology for silent operation and extremely accurate temperature control
  - 3 7 Day 24 Hour Programming**  
with comfort, economy and frost protection settings to ensure optimum comfort. 9 Pre-sets
  - 4 Powder coated steel**  
robust finish and never needs painting
  - 5 Control On The Top**  
easier to use and doesn't spoil the good looks of the heater
  - 6 Available in 600w to 2000 watt power**
- \* Ingress Protection**  
IP21







MODEL REF.	OUTPUT (WATTS)	OUTPUT (BTU)	HEIGHT (mm)	LENGTH (mm)	DEPTH (mm)	WEIGHT (kg)
PL0600D	600	2047	450	425	80	7
PL1200D	1200	4094	450	635	80	8.5
PL1500D	1500	5118	450	745	80	9
PL2000D	2000	6824	450	825	80	10

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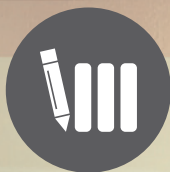


## Ladder Style Electric Towel Rails

Electric towel rails finished in white or chrome

Digital electronic thermostat and programming control





**SLEEK STYLISH  
DESIGN**



**USER FRIENDLY  
CONTROLS**



**UNBEATABLE  
PRICE**



**GREAT  
PERFORMANCE**



**CLEAR LOGIC**  
Electronic thermostat control  
chip ensures minimum  
energy use



**TRULY SILENT**



**EXTREMELY ACCURATE**



**ENERGY EFFICIENT**

## FEATURES OF ELECTORAD ELECTRIC TOWEL RAILS

- ▶ High accuracy thermostats
- ▶ Infra-red remote control
- ▶ 2 Year guarantee
- ▶ 7 day / 24hr programming
- ▶ Boost function
- ▶ 4 different models
- ▶ Fluid filled for rapid heating
- ▶ Low energy use on standby
- ▶ IP rated for bathroom use
- ▶ Modern ladder style design
- ▶ Output up to 700 watts
- ▶ Steel construction
- ▶ Available in white and chrome
- ▶ Comes with wall brackets
- ▶ Ambient temperature control

### 1 Infra-red Remote Control ( optional )

For easy use without bending down

### 2 Digital Electronic Thermostat

Silent operation and extremely accurate ambient temperature control

### 3 7 Day / 24 Hour Programming

with comfort, economy and frost protection settings to ensure optimum comfort

### 4 Steel Construction

white or chrome finish

### 5 Control at the Bottom

to sense the coldest part of the room and accurately control the ambient temperature

### 6 Available in 400watt or 700watt power

### \* Ingress Protection IP44







MODEL REF.	OUTPUT (WATTS)	OUTPUT (BTU)	HEIGHT (mm)	LENGTH (mm)	DEPTH (mm)	WEIGHT (kg)
White						
T400Pw	400	1365	800	500	80	8
T700Pw	700	2388	1200	500	80	8
Chrome						
T400Pc	400	1365	800	500	80	8
T700Pc	700	2388	1200	500	80	8

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