



# *Infrared Systems*

*The Clean Heating System*



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The Clean Heating System is an E-Tech Energy Product. All figures quoted are correct at time of printing and may be subject to any changes. Further information is available upon request.

*The Sun's Warmth For  
Your Home...*

# FOREWORD

E-Tech Infrared are delighted and proud to introduce another state of the art energy efficient product to the renewable energy market.

We will guide you through one of the most advanced types of heating systems to date, which has been designed and manufactured to the highest specification, delivering a more cost effective, healthier and cleaner way of heating your home.

At E-Tech, our commitment in research and marketing of new ways to ensure we maintain a green and clean environment has been a priority, along with 100% customer satisfaction.

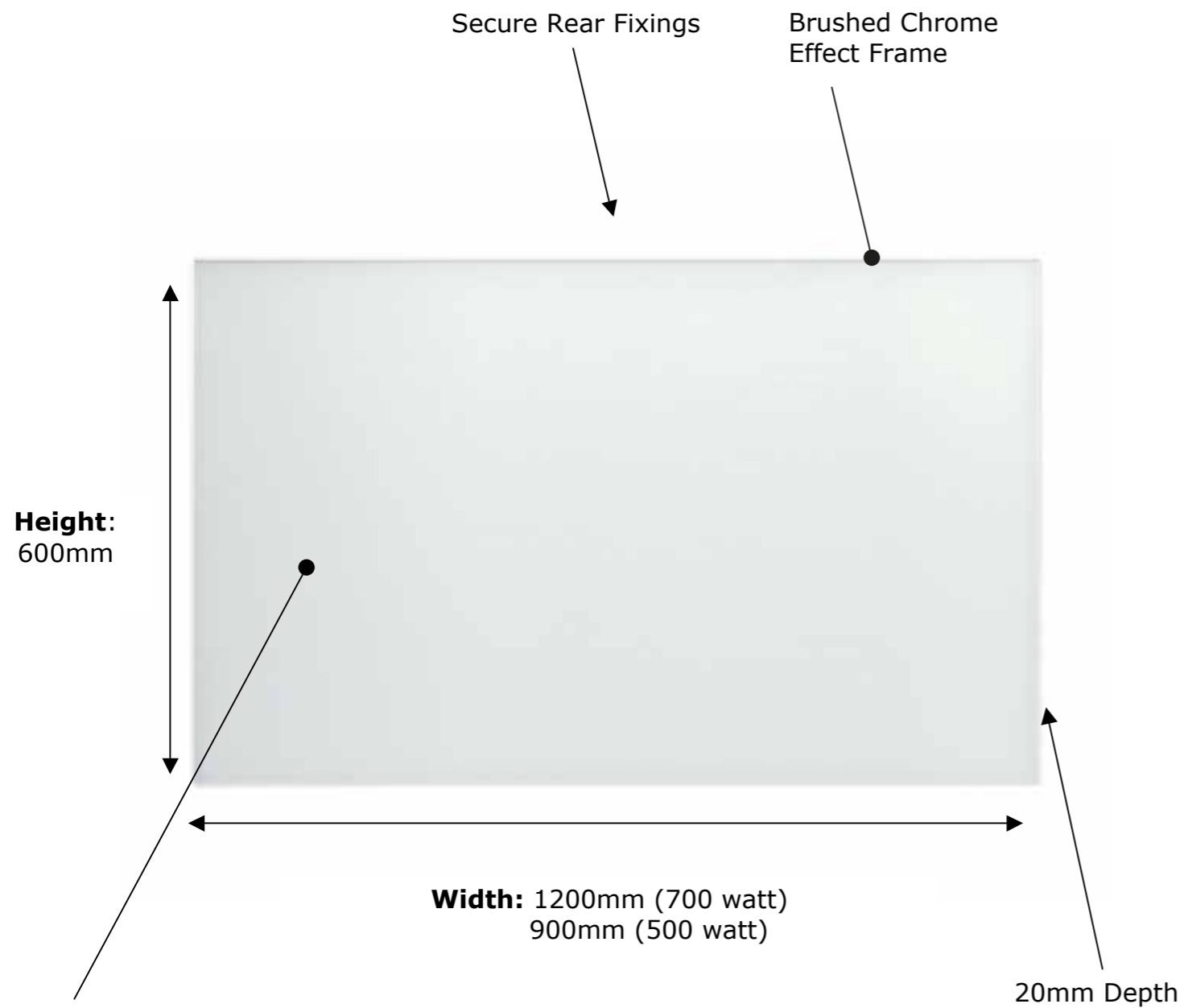
We have installed and maintained thousands of renewable energy products throughout the UK, which has helped the lives of many individuals to;

- Reduce their daunting energy bills which keep growing
- Live a greener and healthier lifestyle
- Contribute to the UK's energy efficient, cleaner and greener future.

Your home is a place of comfort, and The Clean Heating System should enhance that comfort for many years to come.



# TECHNICAL SPECIFICATION



## White Gloss Finish

Aesthetically pleasing powder coated aluminium white gloss front with brushed chrome effect frame.

Input voltage: 230/240v  
Frequency 50Hz

Communication:  
Wireless radio link system



# INTELLIGENT & EFFICIENT

We believe in bringing the best and most innovative technology to the energy market which will change the lives of thousands people throughout the U.K.

Our continual research and product development in renewable energy is what makes us a leading player in assisting in the government to achieve their targets in energy efficiency and introduction of carbon friendly technologies. This is in addition to substantial savings on our heating bills and reduction of our carbon footprint.

The Clean Heating System is an intelligent and energy efficient type of Infrared Heating, of beautiful design with each radiator displaying a sign of elegance. This sleek, slimline design will reveal style within your home, with a glossy white appearance and brushed chrome frame, like a sheet of glass on your wall, in addition to being healthy and energy saving – all at an affordable cost.

We are proud to introduce the Clean Heating System to you, an exceptional and exclusive renewable energy technology that could change the face of domestic heating for the future.

# THE CLEAN HEATING SYSTEM IN YOUR HOME

## HEALTH BENEFITS

### ENERGY SAVING

The Clean Heating System operates with 0% heat loss, as almost all of the energy is transferred into heat – meaning 100% efficiency. In a typical home with electric storage heaters, research has shown that infrared heating is capable of achieving savings on electricity of 60%. That's a huge saving and makes outdated storage heaters look incomparable to our heating system.

### QUICK & EASY INSTALLATION

The complexity of plumbing and electrical wiring has been eliminated with The Clean Heating System, as it is just fixed to the wall in place of your existing heaters or radiators, and connected to an electrical outlet. A system can be installed within half a day by our qualified and highly trained personnel.

### MAXIMUM CONTROL

A completely zoned, thermostatically controlled system and time managed system. Our engineers will demonstrate the system upon completion of the installation. Heating zoning allows the system to have different areas that can be controlled i.e upstairs heating only, downstairs heating only – all via a wireless radio link signal.

### SLIMLINE, CLEAN & ELEGANT

Easy to clean, beautiful appearance and less than half the thickness of bulky storage heaters.



Research has shown that infrared heating is an effective method of therapy for chronic health conditions such as Rheumatoid Arthritis, congestive heart failure and high blood pressure.

It is claimed that Infrared Heating can also relieve nervousness and tension.

Other clinical research and evidence supports the use of infrared heating as a safe, pain relieving and anti aging therapy.

This clinical research has uncovered many health benefits, as so far, the list is imposing and includes:

- Increased blood flow
- Control of hypertension
- Weight Control
- Improvement of cardiovascular health.
- Improvement of respiratory health
- Anti Inflammatory Benefits

# THE CLEAN HEATING SYSTEM - THE SCIENCE BEHIND IT

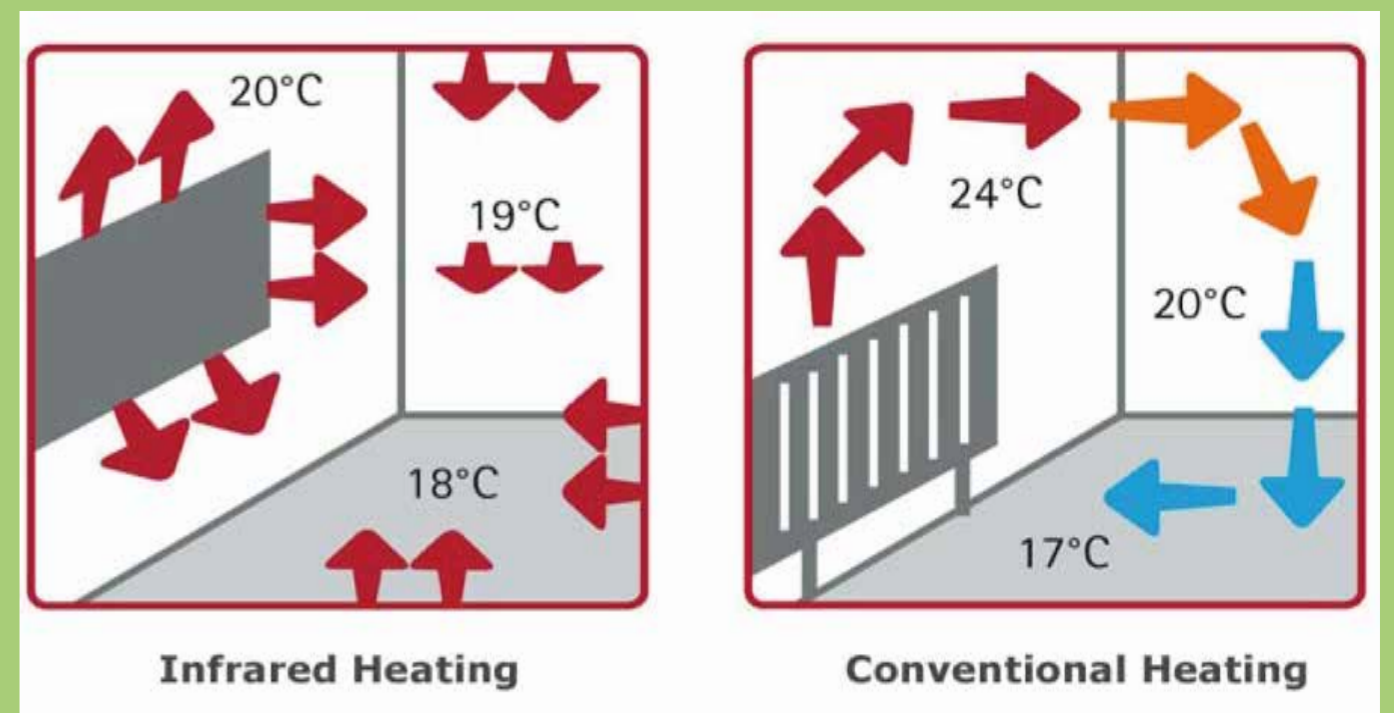
## WHAT IS INFRARED HEAT?

Infrared heat or energy is the type of pure radiation which is absorbed by objects without having any physical contact in the first place with the source of heat or with the air. This radiation can propagate much more effectively than convection heat.

## INFRARED HEAT vs CONVECTION HEAT

They operate in a completely different way. An infrared heating panel does not heat the air but directly warms the persons and the objects which are inside the room. This makes the infrared heating panel more efficient because the heat is immediately absorbed by everyone and everything within the heating range without any heating energy loss in the process. Just because of that, the persons within the range feel the warmth even if winds come inside the room from an open window.

Compared to a conventional heater which makes the air stuffy, an infrared heating panel keeps the air clean and comfortable without mixing the air with dust. Your walls remain dry and any mould growth is prevented as well as there is reduction of cold spots within the room.



## ANTICIPATED SAVINGS

### EXAMPLE COMPARISON WITH OTHER HEATING SYSTEMS

	Infrared Heating	LPG Gas	Natural Gas	Oil Fired	Electric
Volume Of Room	20m <sup>3</sup>	20m <sup>3</sup>	20m <sup>3</sup>	20m <sup>3</sup>	20m <sup>3</sup>
Input Requirement Per Hour	500W (25W/m <sup>3</sup> )	1000W (45W/m <sup>3</sup> )	1000W (45W/m <sup>3</sup> )	1000W (45W/m <sup>3</sup> )	1000W (45W/m <sup>3</sup> )
Unit Cost Of Fuel (per kWh)	£0.13	£0.08	£0.04	£0.05	£0.13
Heating Cost Per Hour	£0.06	£0.08	£0.04	£0.05	£0.13
Heat Cost Per Day (11 hours Per Day)	£0.22	£0.88	£0.44	£0.55	£1.43
<b>Annual Cost</b>	<b>£39.60</b>	<b>£158.40</b>	<b>£79.20</b>	<b>£99.00</b>	<b>£257.40</b>

# FROM SURVEY TO INSTALLATION

## PROFESSIONAL SURVEY

Our trained and qualified surveyors will perform a detailed survey before installation and explain product benefits, subsequently arranging a convenient time for the next step of delivery and installation by our engineers.

## ENVIRONMENTAL CARE

We take care in the method in which we package, transport and deliver goods and ensure that wastage shall be disposed of correctly and appropriately, in compliance to ISO 14001. We have a management system in place to monitor our compliance to environmental and health and safety regulations in which our H&S team carry out assessments and audits on a regular basis to make sure we sustain a safe and environmentally friendly operation in business.

## INSTALLATION

Installations shall be arranged by our surveyors or friendly office staff and we make sure that we take care and respect your home when installing. You'll be happy to know that our operatives are qualified and highly trained within the renewable energy and electrical industry; therefore installations can be performed swiftly and efficiently. Our engineers are CSCS trained and ensure there is no danger to children or pets when working in your home.

## HIGH QUALITY ENGINEERED PRODUCT WITH GUARANTEE

The Clean Heating System radiators are CE marked, pre tested and constructed of a white powder coated aluminium with gloss finish and brushed chrome effect frame which are only 20mm thick. The radiators will communicate with the wireless room temperature controller via a radio link signal and are very intelligent.



**Comes with 3 year warranty**

# YOU CONTROL YOUR COMFORT

- THERMOSTAT CONTROL
- TIME MANAGED
- ZONED HEATING
- ADJUSTABLE & USER FRIENDLY DIGITAL CONTROLS
- BACKLIGHT DISPLAY
- WIRELESS RADIO SIGNAL LINK
- QUICK INSTALLATION
- SELECTIVE CONTROL OF ZONES & INDIVIDUAL RADIATORS
- ENERGY SAVING
- BS EN APPROVED SYSTEM
- EFFECTIVE AND RELIABLE COMMUNICATION BETWEEN RADIATORS – NO SIGNAL LOSS.

