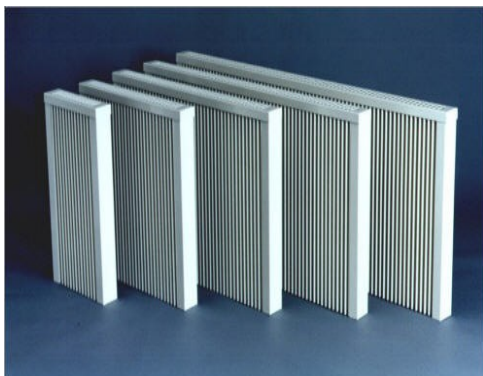


## Electric Heating and Energy Saving Devices



Thermapanel Electric Radiators



Wireless Radiator Valves



Electric Underfloor Heating



Electric Towel Warmers



Skirting Radiators



Low Cost Heating with Heat Pumps



## Who we are & what we do.

**Electra Heat Ltd** was established in 1999, and is a major supplier of high quality Electric Heating & Wireless Control systems, and Green Energy Solutions predominantly for Commercial and Domestic applications.



Also used in properties that have no mains gas, unusual or complex heating requirements, older period properties, apartment buildings, homes in areas with no gas supplies, and customers who were adding to their properties such as an extension, conservatory or loft conversion.

Part of our success comes from the replacement of old storage heaters, with our innovative range of energy efficient electric radiator systems developed over 35 years ago.

## Our Expertise

At **Electra Heat** we have supplied hundreds of clients with our products in a wide variety of applications, and the majority of our work comes from recommendations, and our online and offline marketing programmes. Our experience has been gained in the Electric Heating and Renewable Energy market over 30 years and we can confidently say that we will provide an answer to your problem no matter how complex.

## Easy to do business with

**Gas & Oil prices** continue to rise, and the government has committed the long-term future for electricity using Nuclear Power. This means having to buy in gas supplies from foreign countries, are with us for the foreseeable future. Our aims are to prove that we do things differently, effectively and with a range of energy efficient electric heating and energy efficient controls products to suit every application.

## Location

We are located in Central London and from these offices we cover the whole UK with a network of local, qualified, approved and vetted installers.

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## Why do we only offer Electric?

We only sell Electric Heating & Renewable Heating Systems because we specialise in offering alternative solutions that others can't. Most homes in the UK have traditionally preferred conventional wet central heating & hot water systems, heated by a Gas, Oil or LPG boiler. However many homeowners and business do not always have access to mains gas and therefore have to consider the alternatives.

Oil has always been considered an alternative, but the downsides are rising oil prices, a smelly oil boiler and flue, and of course you have to have an oil tank. LPG has similar issues with oil and there is of course the large torpedo in the back garden!

When asked which type of heating system most people prefer, the answer is normally a gas boiler with 'wet' radiators, when in reality what they are looking for is a fully controllable central heating system that is economical to run.

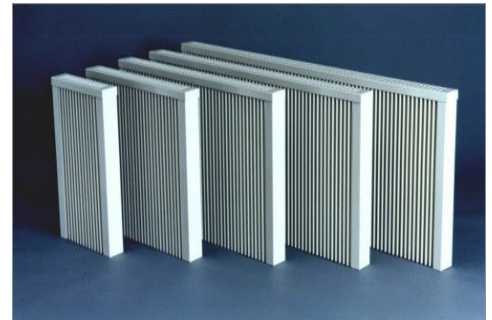
This is no longer the case with the advent of direct acting electric systems, which like conventional systems are fully controllable, easy to install and operate, and are affordable to run.

So that brings us to electric. Over the years all forms of electric heating have been perceived to be expensive to operate. However with the unique Thermapanel electric radiators, Thermapump Air and Ground Source Heat Pumps, Thermafloor Electric Underfloor Heating, HouseHeat Wireless Radiator Valves and the Thermodul Skirting Radiators along with our commitment in offering advice regarding new competitive electricity tariffs throughout the UK, running costs for electric heating are now at an affordable level.

As we know new products become available all the time, and our business has grown over the years after originally offering night storage heaters and panel convector heaters, as these were the only products available. Indeed many property developers did and continue to build developments with storage heaters, as they are not yet aware of the alternatives!

Having travelled to other European countries we were delighted to discover some excellent products that were not only well proven and established, but also look good, work exceptionally well, and offer excellent value for money, as well as providing very competitive running costs.

We are now a major importer, and now offer a variety of home grown and imported products to cover the entire spectrum for electric heating and hot water solutions. Indeed when looking across the entire range of alternatives we evaluated what was best for us and our customers and through our teams combined experience have sourced what the team consider the best available to meet everybody's expectations.



## Commercial and Domestic

Our customers vary across a wide variety of property types but are predominately in the small commercial and domestic sectors. Typically in the commercial sector these will be shops, showrooms, and small office sectors, and in the domestic area they range from a 1-bedroom studio apartment, typical 3-bedroom house, apartment buildings, and right up to large stately homes and manor houses.

## An introduction of our Electric Heating & Energy Saving Products

If you want to heat your home, shop or office, you can do this in a variety of ways, and we outline below a brief summary of each one below.



### THERMAPANEL Energy Efficient Electric Radiators -

The THERMAPANEL radiators which are available in a wide variety of styles work in a similar manner to a normal central heating system. The main differences are that in a central heating system, a boiler is required, which is then pumped around the system so as to heat the radiators, whereas with the THERMAPANEL radiators, the radiator ribs are heated by a system of internal specialist ceramic energy cells, each with its own embedded heating element. The THERMAPANEL radiator ribs ensure that a very large surface area is available to be evenly heated and this heat radiated out into the room in an intensive and comfortable manner. In addition, the chimney effect caused by the ribbed design, also produces convected heat so as to ensure an optimal

mixture of convected and radiant heat, which controlled by an efficient electronic thermostatic together produce the most effective, comfortable and economic method of heating the room.

## THERMAPANEL Electric Radiators





Our highly efficient electric radiators look like a conventional "wet" system radiator, they heat up and operate like "wet" system radiators, and all without the need of a Boiler, flue, piping, installation and a Gas safety certificate. These unique electronic temperature controlled radiators provide the combined benefits offered by both wet systems and electric storage heater systems.

The range has been developed to accommodate the smallest easy to heat bedroom, to the large hard to heat living room. These energy efficient electric radiators are easy to use in individual areas such as extensions, loft conversions, conservatories, garden buildings, or as a whole house system. As the controls allow them to be connected together on a simple wireless network, means that full central heating control is available, without the need for expensive wiring

Because of the wide range of styles, the Thermapanel electric radiators are suited to either older or period properties and also for modern and contemporary homes, and those homes where no suitable gas or oil supply is available.



When you select our energy efficient radiators, you will be extremely impressed with the performance, effectiveness, reliability, control and aesthetics of these cost effective heaters. Due to the superior quality of the products, we have no hesitation in offering a range of warranties from **10 to 25-years** warranty throughout the electric radiator range.

All of our electric wall mounted radiators can be plugged into a standard 13amp socket, however for a bathroom or fully controllable electric central heating system, we recommend that they be wired into a fused spur.

- Economic running costs. Consumes as little as 4 hours electric in 24 hrs\*
- Preferential electricity tariffs available
- Various outputs and sizes available, 400w - 3000w
- No maintenance required
- **10 - 25-year** guarantee – depending on make
- Radiators modulate to ensure constant temperature
- 100% efficient
- All radiators are only a maximum of 90mm deep
- No boiler required
- Plug-in or fused spur
- Wall hung, castors or feet
- Simple replacement for storage heaters
- Safe, clean and easy to operate
- Fully controllable system.
- Even floor to ceiling temperature
- Full wireless central heating control available, or with individual timers.

To maximise the use of these heaters, we recommend the use the **Economy 10** tariff, which are readily available from most major suppliers.

*\* Running costs are indicative and are dependant on a variety of property factors, such as type, age, insulation level etc.*



### A Selection of the Thermapanel styles available

#### HOUSEHEAT - Wireless Radiator Valves

These radiator valves are designed to save energy on existing 'wet type' radiator systems, and they communicate wirelessly between the room thermostats and automatic valve motors fitted to each radiator valve in place of traditional thermostatic or manual valve heads. Each room thermostat controls up to 8 valve motors, which means that a maximum of 8 radiators can be controlled by one room thermostat.



For rooms with more than 8 radiators, two or more room thermostats can be used. A master controller is available if required from which all room thermostats in the building may be controlled. The HouseHeat system is compatible with most old and existing radiator valves on the UK market.

The system is ideal for flats, houses, offices, holiday homes, restaurants, schools etc. – in fact any building in which radiators are used for heating.

#### Simple & effective heating control

- Save up to 35% on your energy consumption
- HouseHeat automatically reduces the temperature at night and as desired during daytime hours
- Reduce your carbon footprint and take care of the environment.
- Will quickly pay for itself through lower heating bills
- Modern, wireless installation
- Fits most radiator valves - TA, Oventrop, Danfoss etc.



1. **THERMAFLOOR** Electric Underfloor Heating Systems Provide an all electric discreet Underfloor heating solution for a variety of floor types, including wooden, laminate, ceramic, slate, carpeted and stone floors, and are supplied so that they can be simply installed by a competent person, builder or electrician. Fully controllable, by an electronic thermostat/time clock they allow the user to maximise room space, yet give total comfort and sensible running costs.

### **THERMATOWEL – Towel Radiators**

These are available in Chrome or White and can be ordered in Flat or Curved styles. With a variety of outputs from 200 to 900 watts, there really is a radiator to suit virtually any size of bathroom. Finally they are also available with a fixed heat or variable heat setting.



New this year a unique towel radiator with a built-in fan convector that will easily heat your bathroom and towels in no time.



### **THERMODUL – Skirting Radiators**

Contrary to a popular TV show, skirting radiators have been around since the 1960's, and the technology fell out of favour in those early days because of poor flexibility, and control, however the latest version are enjoying a re-emergence, as they can now be available in a variety of colours and styles, and also in both water and electric versions, and a combination of both.

Because of the high performance with lower temperature water they are ideal for use with air or ground source heat pumps, and offer significant savings of up to 70% when compared to a gas central heating system with conventional radiators.

Ideal for use in domestic or commercial premises, where a discreet heating solution can be offered without the worry of pipes or cables being buried under a floor.



**THERMAPUMP** – Air and Ground Source Heat Pumps.

**Heat Pumps** - What are they, and what are they used for?

Air Source Heat Pump technology has become very popular. Energy is used to draw the heat from the surrounding air, and use it to generate a much greater amount of heat. Even when temperatures are considerably below zero, the cold air contains energy which can be used for efficient heating. Air source heat pumps are efficient even at minus temperatures. In the U.K. we have relatively mild temperatures meaning that the heat pump will run with excellent efficiency all the year round.

If you have a typical wet radiator system, Skirting Radiator or Underfloor heating system then this Heat Pump technology could be ideal for you. The Heat Pump technology and method of working is not new - indeed they were invented more than 50 years ago.

So if you are building or refurbishing a property and want long term low running costs without loss of comfort, and at the same time you save energy and CO2 emissions then a Heat Pump is a must.

CO2 emissions are considerably reduced, as 75% of your energy usage is now coming from the outside air. An air source heat pump only produces around 40% of the emissions of a typical gas condensing boiler.

Our air source heat pumps can be used for a wide range of applications including heating, cooling, domestic hot water and swimming pools.

We also supply a wide range of Ground Source Heat Pumps, which draw energy from the ground, where there is also a constant temperature all year round, but it will mean some upheaval in your garden.





**ELECTRAHEAT**  
Innovations in Electric Heating