

Elegant design with the high performance heating technology of tomorrow - today



Electric Combination Radiator Systems



An elegant solution for all heating situations

The EHC Combination Electric radiators have been designed using the latest technology to create an elegant solution for all hard to heat situations, They can be installed in almost any location due to the flexibility of the product.

The range has been developed to provide an adaptable solution for electric heating in Domestic properties, Conservatories, Holiday homes, Offices and any other temporary heating situation.

Our unique patented 'Magmatic' heating tablets provide the source for the radiator. Whilst the radiator is classed as a 100% efficient Direct Acting appliance, the heating



tablets provide partial storage to prolong your heating comfort and to reduce running costs. The radiator has a robust body which incorporates a spot welded high fin surface area to ensure that there are no contraction noises during the heating cycle. The high fin design boasts 6 times the normal radiator surface area to provide a balance of Convection and Radiant heat for your added comfort.

The radiators can be simply plugged in to a standard socket or hard wired to an existing spur connection. The range has the

flexibility of being wall mounted or free standing on castors or feet.

For added versatility we can supply conservatory radiators which are also ideal for use below windows with low sills.

All our standard model sizes are supplied with a TEI manual room thermostat. For a fully controllable central heating system, the radiators can be installed with our EHC Control Box, Single Channel Programmer and Room Thermostat to comply with the latest Building Regulations.

Furthermore we also supply EHC radiators with an integral TDI digital thermostat that can be programmed 24 hours, 7 days a week. All EHC radiators are manufactured in



Germany to the highest safety and quality standards. Each radiator is CE Marked and ENEC Marked and carries all the necessary European Approvals. Each radiator is fully checked and tested prior to leaving the factory and as such is packed with full Quality certification.

We hope that you find the superior products within this brochure of interest and we look forward to being of assistance to you in the near future.



Electric Combination Radiators

The EHC Electric Radiators have been accepted as a practical modern solution to other forms of inefficient heating throughout the world for many years. Their success is due largely to the following features and benefits:

- Ease of Installation
- Safe, clean and easy to operate
- Fully controllable by either manual or digitally controlled (TDI) thermostats.
- The economy 10 electricity tariff provides preferential off-peak rates and times
- Various outputs and sizes are available from 500w - 2400w
- No maintenance required 100% efficient
- These Slimline Radiators are 70mm deep
- Radiators can be simply plugged in or fused spurred
- All radiators are supplied with wall fixing brackets
- Castors or feet stands can be ordered as optional extras
- Each radiator is supplied with 1.5m length cable
- All radiators are powder coated both internally and externally in white to RAL 9003

As our products are of such superior quality we are proud to offer a **15 year warranty** on our radiators and a **2 year warranty** on the electronics across our full range of EHC Electric Combination Radiators.

High performance - whatever the space

1.8kW Tall Radiator

1.2kW Tall Radiator

They look like conventional “wet” system radiators, heat up and operate like “wet” system radiators and all without the requirement of a central heating boiler.

The range has been developed to accommodate the smallest easy-to-heat room to the larger hard-to-heat room. Should you select our products you will be highly impressed by the performance and effectiveness of the electric radiators.

We currently sell the radiators as heating solutions to a wide range of markets which include the following:

- Domestic Properties
- Properties with no access to Natural Gas
- Conservatories
- Sunrooms
- Holiday homes, Parkhomes and Caravans
- Hotels and Pubs
- Offices
- Portable Offices
- Temporary Heating purposes
- Social Housing Contracts

Internal Construction and Fixing Accessories



Magmatic tile with thermocouples



Integral TDI Digitally controlled thermostat



Each standard radiator has a TDI thermostat fitted which regulates the temperature in each room



High Fin Surface



Feet Stands



Castors



Installation kit for wall fastening supplied as standard

Our unique combination radiators are designed to store the heat directly into the Magmatic Heat-Retention Tablets, without any loss of energy.

When the EHC Radiators have achieved their required temperature the thermostat will cut the power to the Radiator. The Radiator will continue to provide heat, (that has been stored in the Magmatic

Method of Operation

tablets), for up to 45 minutes with no further use of electricity. The Radiators will use approximately 15 – 30 minutes of electricity per hour, depending upon on the building fabric and the severity of the outside temperature.

Magmatic® 2010 Storage Stone

The heating conductors are produced from high quality chrome-nickel steel (resistant to scaling up to 1100 °C) which are moulded into the Magmatic tablet. The contacts inside the radiators are protected with heat shrinkable insulated sleeves to ensure optimum safety. Two thermocouples within each radiator provide twin overheat protection for additional safety.



Bathroom Radiators - IPX4 Rated Models



1.2kW tall radiator with towel rails



1.2kW bathroom radiator with chrome or white towel rails



600w chrome towel rail



600w standard radiator

All EHC Bathroom Radiators, up to an output of 1.5kW, are IPX4 rated and are therefore tested and approved for use in all bathroom situations. Please consult a qualified electrician or refer to IEE Wiring Regulations 17th Edition for latest regulations.

Conservatory Radiators



To compliment your existing heating system EHC have produced a selection of electric radiators to heat your conservatory which are all 340 mm high. With the option of wall mounting, floor standing or castors you have the facility to place your radiator anywhere within your conservatory.

They can be controlled by either the manual TEI I Thermostat or by the integral digital TDI programmable thermostat.



Control Options

EHC Radiators can be controlled by a number of different options dependent on the installation circumstances. They can be installed as stand alone heaters or as a controllable central heating system using either manual or TDI controls.

The options are shown opposite.

(Please note that the EHC Control Box and TDI method of control complies with the latest Building Regulations and 17th Edition)

EHC Control Box –

This method of control is also suitable for standard models where multiple radiators are required. In addition to the Control Box you will also require a Single Channel Heat Pack (see schematic).

EHC Control Box



EHC Control box



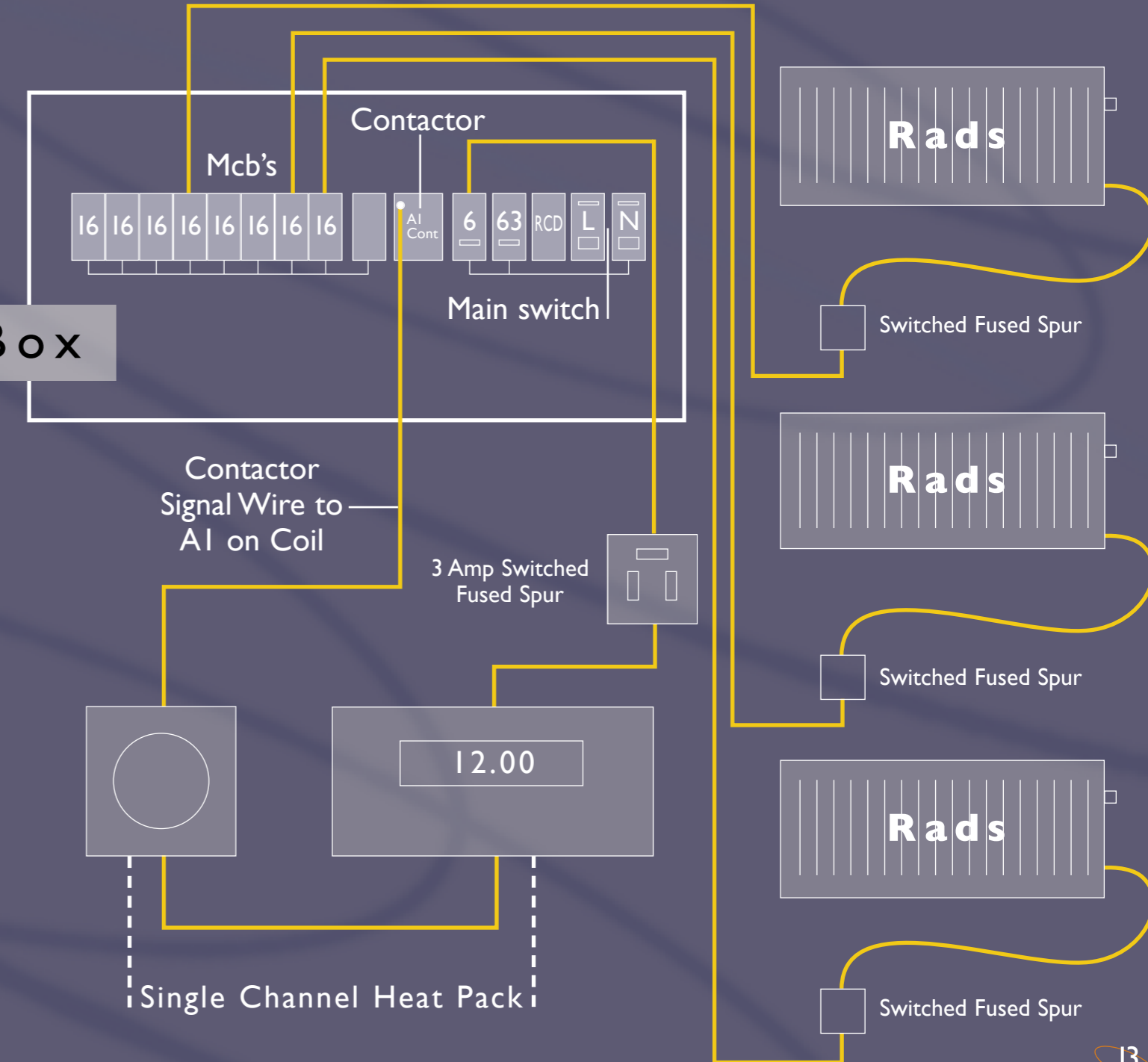
Single Channel Heatpack

Typical Radiator Installation

(Neutral wiring has not been shown for clarity reasons)
Control Wiring: 1.0 mm Twin and earth

Radiator Wiring: 2.5 mm Twin and earth
All Wiring must comply with current IEE Regulations
17th edition: 1st July 2008 - BS 7671

For illustration purposes only



T D I Features



Comfort Temp:

Indicates the required Comfort Temperature



Programming Mode:

The radiator can be programmed 24 hours/7 days at required temperatures.



Automatic Mode:

Once selected the radiator will follow the program set in programming mode



Economy Temp:

The Economy setting default is 3.5 deg lower than the comfort setting. The Economy setting can be set up to 10°C lower than the comfort temperature.



Timer/ Boost Mode:

This boost facility can be used to overwrite the programming mode. Temperature can be set between 5°C and 30°C for 30 mins to 72 hours



Heating Demand Mode:

The ON icon displayed indicates that the radiator is in heating demand mode.



Frost Protection:

Frost protection temperature can be set between 5°C and 15°C

Other features

Keypad locking function

Holiday Mode – the radiator can be set to “OFF” for the period of your holiday

Backlight timeout setting – the timeout of the backlight can be set between 0-225 seconds.

Technical Specification

Model No.	Description	Colour	Rating BTU's	DIMENSIONS				
				Width (mm)	Height (mm)	Depth (mm)	Weight (kg)	
Manual	Radio Frequency							
STANDARD RADIATORS								
EH500.38.63	EH500.38.63TDI	500watt EHC ELECTRIC RADIATOR	White	1706	380	630	70	22
EH800.38.63	EH800.38.63TDI	800watt EHC ELECTRIC RADIATOR	White	2730	380	630	70	22
EH1000.68.63	EH1000.68.63TDI	1000watt EHC ELECTRIC RADIATOR	White	3412	680	630	70	36
EH1500.98.63	EH1500.98.63TDI	1500watt EHC ELECTRIC RADIATOR	White	5118	980	630	70	50
EH2000.128.63	EH2000.128.63TDI	2000watt EHC ELECTRIC RADIATOR	White	6824	1280	630	70	62
EH2400.128.63	EH2400.128.63TDI	2400watt EHC ELECTRIC RADIATOR	White	8189	1280	630	70	62
CONSERVATORY RADIATORS								
EH500.68.34	EH500.68.34TDI	500watt EHC ELECTRIC CONSERVATORY RAD	White	1706	680	340	70	21
EH1000.85.34	EH1000.85.34TDI	1000watt EHC ELECTRIC CONSERVATORY RAD	White	3412	850	340	70	24,5
EH1600.128.34	EH1600.128.34TDI	1600watt EHC ELECTRIC CONSERVATORY RAD	White	5459	1280	340	70	34,5
EH2000.158.34	EH2000.158.34TDI	2000watt EHC ELECTRIC CONSERVATORY RAD	White	6824	1580	340	70	38
TALL RADIATORS								
EH1200.38.124		1200watt EHC ELECTRIC RADIATOR	White	4094	380	1240	70	35
EH1800.55.124		1800watt EHC ELECTRIC RADIATOR	White	6142	550	1240	70	58
EH1200.38.124	IPX4R	1200watt EHC ELECTRIC RADIATOR (with Rails)	White	4094	380	1240	70	38
TOWEL RAILS								
2003.06WE (WHITE RAILS)		1200watt EHC ELECTRIC TOWEL RADIATOR	White	4094	640	1020	140	33
2003.06WEC (CHROME RAILS)		1200watt EHC ELECTRIC TOWEL RADIATOR	White	4094	640	1020	140	33
BATHROOM RADIATORS (IPX4)								
EH600.38.63IPX4		600watt EHC ELECTRIC BATHROOM RADIATOR	White	2047	380	630	70	22
EH1000.68.63IPX4		1000watt EHC ELECTRIC BATHROOM RADIATOR	White	3412	680	630	70	36
ACCESSORIES & CONTROLS								
CAST/I		EHC RADIATOR CASTORS						
FEET/I		EHC RADIATOR FEET						
S/PACK/I		EHC SINGLE CHANNEL HEATPACK						
E10SS		SUPREME SAVER HOT WATER PROGRAMMER						
EHC6W		EHC 6 Way CONTROL BOX						
EHC10W		EHC 10 Way CONTROL BOX						

Distribution network europe



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Netherlands
Poland
Portugal
Slovenia
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Turkey
United Kingdom

worldwide

Australia
Canada
New Zealand
South Africa



- Europe-wide applicable
- Safety tested
- Production controlled

The Electric Heating Company delivers premier heating products across the UK. Our range of EHC Combination Radiators are produced in association with LHZ GmbH of Germany and comply with the appropriate standards of the European Union and Certificate Institutes.



The Keymark E24 is the equivalent of the BEAB mark in the U.K.



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Disclaimer – All figures quoted are correct at the time of printing and may be subject to change