

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



Electric Combination Radiator Systems



**LUCHT LHZ**<sup>®</sup>  
Elektroheizung GmbH & Co. KG

# An elegant solution for all hard to

The LHZ 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



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 LHZ Control Box, Single Channel Programmer and Room Thermostat to comply with the latest Building Regulations.

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.



# h e a t s i t u a t i o n s

In addition to the above we also supply Radio Frequency radiators which provide all the benefits of the standard version however the control wiring is eliminated. These models can be controlled by our TEI 6 and TEI 8 RF thermostat.

All LHZ radiators are manufactured 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 LHZ Electric Radiators have been accepted as a practical solution to outdated storage heaters 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 via either manual or radio frequency controls
- Various outputs and sizes are available from 500w - 2800w
- No maintenance required 100% efficient
- All 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 1.5mm 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 **12 year warranty** on our radiators and a **2 year warranty** on the electronics across our full range of LHZ Electric Combination Radiators.





H i g h   p e r f o r m a n c e   -   w h a t e v e r





t h e   s p a c e

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:**

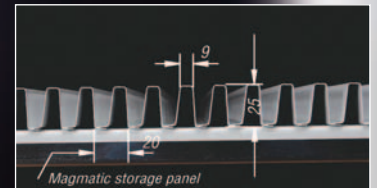
- Domestic Properties
- Properties with no access to Natural Gas
- Conservatories
- Sunrooms
- Holiday homes, Parkhomes and Caravans
- Hotels and Pubs
- Offices
- Portable Offices
- Temporary Heating purposes
- Social Housing Contracts



# Internal Construction



TEI I





Our unique combination radiators are designed to store the heat directly into the Magmatic ceramic tablets without any loss of energy.

The high fin surface creates a ribbed design across the radiator ensuring the correct balance of radiant and convected heat. Once the radiator achieves its optimum temperature it can continue to give out heat for up

## Method of Operation

to 45 minutes dependent on the thermostat set-point. Radiators should use an average of between 3-5 hours electricity in a 24 hour day dependent on the programmed settings and building fabric.

### **Magmatic® 2007 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





# Conservatory Radiators

To compliment your existing heating system LHZ 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 TEl thermostat or radio frequency controls.





LHZ 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 radio frequency controls. The various options are follows:

## Control Options

**TEI1** – All standard radiators are supplied with an in - TEI1 thermostat. This method of control is ideal for stand alone heating requirements.

**LHZ 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 Single Channel Heat Pack (see schematic on opposite page).

**TEI6** – The radio frequency radiators have been designed to operate as stand alone or multiple radiator systems using this RF Programmer/Thermostat.

Each standard radiator has a TEI1 thermostat fitted which regulates the temperature in each room



Each radio frequency controlled radiator has a TEI5 receiver fitted as standard



(Please note that the LHZ Control Box and TEI6 method of control complies with the latest Building Regulations and 17th edition)



# LHZ Control Box

## Typical Radiator Installation

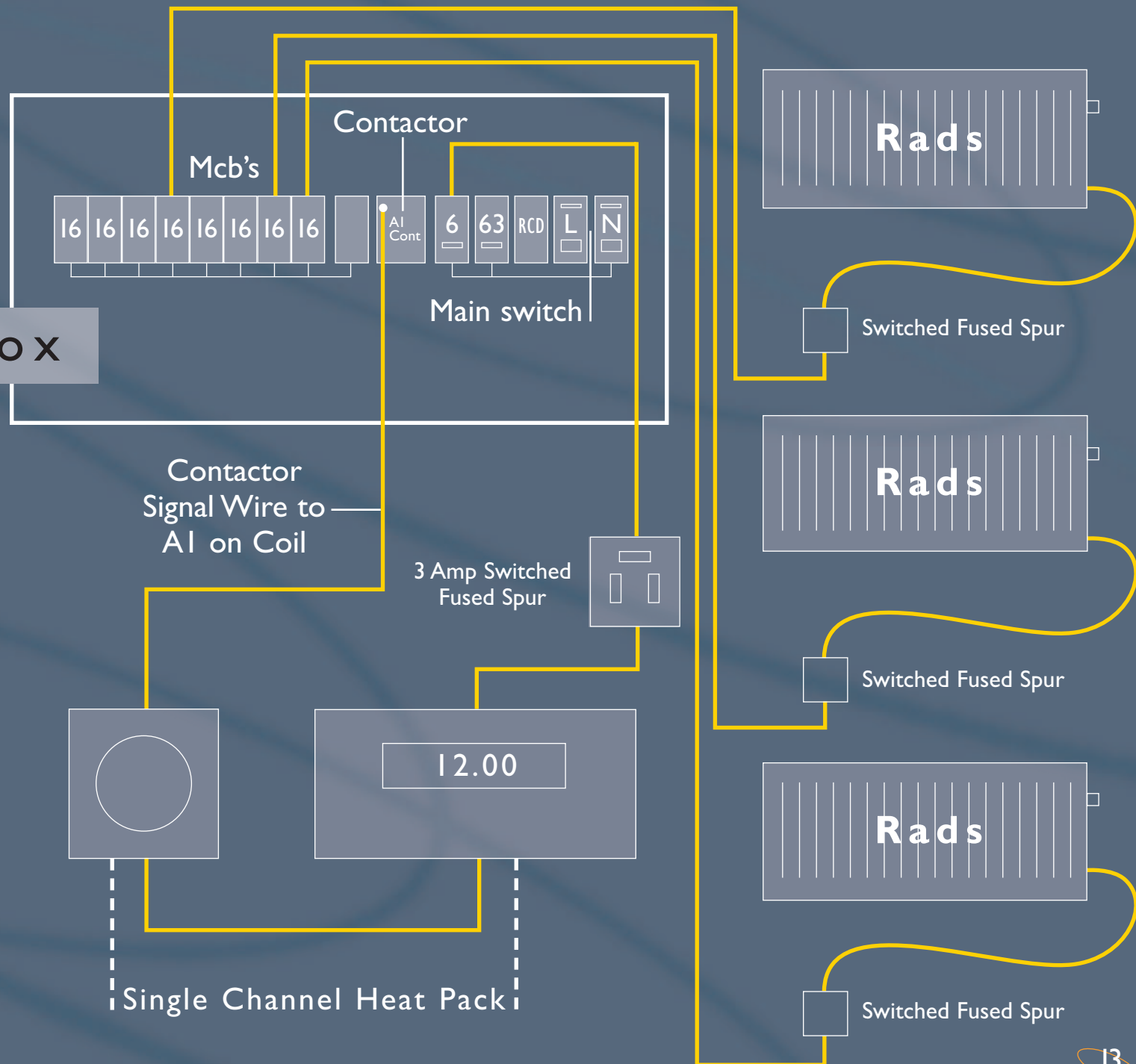
(Neutral wiring has not been shown for clarity reasons)

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



# Accessories



LHZ Control box



Single Channel Heatpack



## Control Accessories



TEI 6

## Fixing Accessories



Feet Stands



Castors



Installation kit for wall fastening supplied as standard



# Technical Specification

Model No.		Description	Colour	Rating BTU's	DIMENSIONS			
Manual	Radio Frequency				Width (mm)	Height (mm)	Depth (mm)	Weight (kg)
STANDARD RADIATORS								
D500.38.63	D500.38.63RF	500watt ELECTRIC RADIATOR	White	1706	380	630	70	22
D600.38.63	D600.38.63RF	800watt ELECTRIC RADIATOR	White	2730	380	630	70	22
D1000.68.63	D1000.68.63RF	1000watt ELECTRIC RADIATOR	White	3412	680	630	70	36
D1200.68.63	D1200.68.63RF	1200watt ELECTRIC RADIATOR	White	3412	680	630	70	36
D1500.98.63	D1500.98.63RF	1500watt ELECTRIC RADIATOR	White	5118	980	630	70	50
D1800.98.63	D1800.98.63RF	1800watt ELECTRIC RADIATOR	White	5118	980	630	70	50
D2000.128.63	D2000.128.63RF	2000watt ELECTRIC RADIATOR	White	6824	1280	630	70	62
D2400.128.63	D2400.128.63RF	2400watt ELECTRIC RADIATOR	White	8189	1280	630	70	62
D2800.158.63	D2800.158.63RF	2800watt ELECTRIC RADIATOR	White	8189	1580	630	70	62
CONSERVATORY RADIATORS								
D500.68.34	D500.68.34RF	500watt ELECTRIC CONSERVATORY RAD	White	1706	680	340	70	21
D1000.85.34	D1000.85.34RF	1000watt ELECTRIC CONSERVATORY RAD	White	3412	850	340	70	24.5
D1600.128.34	D1600.128.34RF	1600watt ELECTRIC CONSERVATORY RAD	White	5459	1280	340	70	34.5
D2000.158.34	D2000.158.34RF	2000watt ELECTRIC CONSERVATORY RAD	White	6824	1580	340	70	38
TALL RADIATORS								
D1200.38.124		1200watt ELECTRIC RADIATOR	White	4094	380	1240	70	35
D1800.55.124		1800watt ELECTRIC RADIATOR	White	6142	550	1240	70	58
TOWEL RAILS								
2003.06WE ( WHITE RAILS )		1200watt ELECTRIC TOWEL RADIATOR	White	4094	640	1020	140	33
2003.06WEC ( CHROME RAILS )		1200watt ELECTRIC TOWEL RADIATOR	White	4094	640	1020	140	33
BATHROOM RADIATORS (IPX4)								
D600.38.63IPX4	D600.38.63IPX4RF	600watt ELECTRIC BATHROOM RADIATOR	White	2047	380	630	70	22
D1000.68.63IPX4	D1000.68.63IPX4RF	1000watt ELECTRIC BATHROOM RADIATOR	White	3412	680	630	70	36
ACCESSORIES & CONTROLS								
CAST/I D		RADIATOR CASTORS						
FEET/I D		RADIATOR FEET						
S/PACK/I D		SINGLE CHANNEL HEATPACK						
TEI 6 D		MILUX R/F CONTROLLER						
TEI 8 D		R/F DIGITAL THERMOSTAT						
NSPE 3839/3 D		5 Way CONTROL BOX						
NSPE 3839/I D		8 Way CONTROL BOX						
NSPE 3839/2 D		2 Way CONTROL BOX						

## Distribution network europe



### Head Office and Production in Germany

**Austria**

**Belgium**

**Bulgaria**

**Croatia**

**Czech Republic**

**France**

**Greece/Cyprus**

**Ireland**

**Netherlands**

**Poland**

**Portugal**

**Slovenia**

**Spain**

**Switzerland**

**Turkey**

**United Kingdom**

## worldwide

**Australia**

**Canada**

**New Zealand**

**South Africa**



- Europe -wide applicable
- Safety tested
- Production controlled

LUCHT LHZ Elektroheizung GmbH & Co. KG delivers premier heating products across the world. Our range of LHZ Combination Radiators are produced in Germany and comply with the appropriate standards of the European Union and Certificate Institutes.



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