

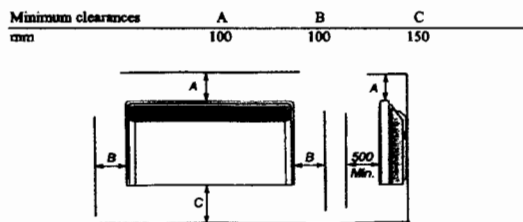
BRIO PROGRESS WALL CONVECTOR

INSTALLATION

POSITION

The appliance should be mounted in a horizontal position on the wall brackets supplied. It should only be operated when in the upright position with the control panel at the top.

It is essential that you observe the minimum clearances A, B and C specified in the installation diagram, particularly as regards clearances from easily flammable objects. Make sure that air can flow into or out of the convector without being obstructed.

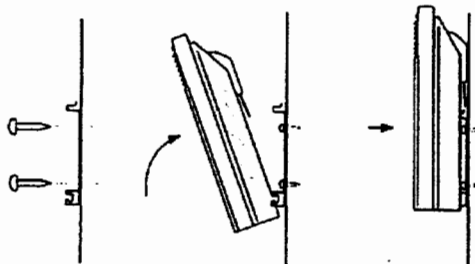


Cable entry on the right

FIXING

Remove the wall mounting bracket from the rear of the unit by depressing the clips at the top of the bracket with a screwdriver.

Fix wall bracket to wall through the four screw holes provided. (Three on some smaller output models).



Do NOT locate the heater immediately below a fixed socket outlet or connection box.

ELECTRICAL CONNECTION

The electrical installation must be carried out by a competent electrician in accordance with current IEE regulations for Electrical Equipment in Buildings.

The heater is fitted with a length of flexible cable for connection to the fixed wiring of the premises through a suitable connection box incorporating a double pole isolating switch with a contact separation of at least 3mm, positioned adjacent to the heater.

The black control wire is designed only to carry a signal from a compatible remote programmer or switching device.

If the black pilot wire is not being used with a compatible programming or switching device it should be terminated and insulated within the fused spur box.

Brio Doc

INSTALLATION AND OPERATING INSTRUCTIONS

IMPORTANT: Ensure that the wires are fitted correctly to the connecting box terminals.

BROWN: LIVE/PHASE

BLUE : NEUTRAL

BLACK : CONTROL WIRE

WARNING: DO NOT CONNECT THIS APPLIANCE TO EARTH AS IT IS DOUBLE INSULATED.

BATHROOM INSTALLATION

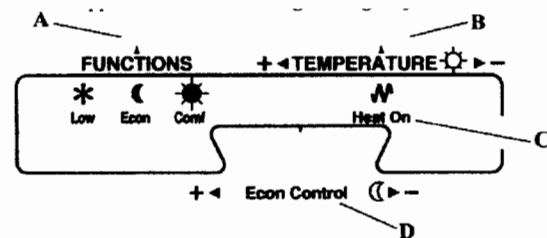
These heaters are splash proof to IPX4 standard.

IMPORTANT – if the heater is installed in a room containing a bath or shower, it must be installed so that a person using a bath or shower cannot touch switches and other controls.

OPERATION

MULTI-FUNCTION ELECTRONIC CONTROLS

The electronic controls for this appliance have been designed to give you maximum economy.



A: FUNCTIONS WHEEL

- Off Heat off
- * Comfort: Thermostat setting between 1-9
- ⊖ Economy: Temperature reduction mode. Room temperature is reduced by amount shown on button (Ref.D)
- * Frost protection: the convector switches on when the temperature falls to around 7°C. Gives maximum economy with no risk of freezing pipes or condensation for long periods of absence.
- ⊕ Programming: when signalling through the pilot wire to a remote programmer or switching device.

B: TEMPERATURE

Use the thermostat dial (B) to select your desired room temperature. The markings on the dial are in approximately 3.5°C increments. The maximum setting (9) is around 35 °C which means the heater will normally remain on continuously. The easiest way to find your comfort setting is to turn the dial to maximum. When the temperature in the room has reached your ideal comfort level, turn the dial back until the thermostat switches off (the neon light will go out). **Leave at this setting** and the heater will operate as necessary to maintain this room temperature.

C: THERMOSTAT LIGHT

Light on = Element heating

Light off = Element reached required heating level

D: **ECONOMY** level adjustment button: for setting the amount by which the temperature is to be reduced (for example, to reduce the temperature from 21°C to 16°C, select -5).

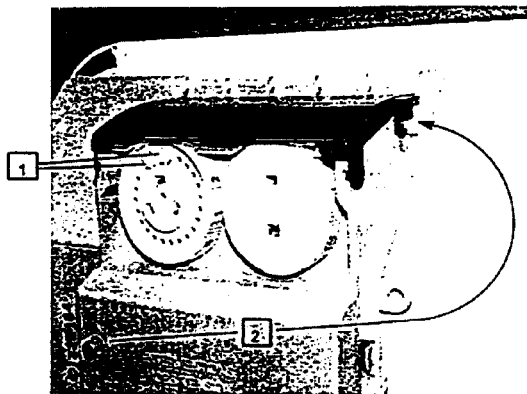
For greatest economy switch the heater to economy setback if you leave the room for long periods or before going to bed. Normally 16 °C is the ideal set back temperature, allowing the room to reach comfort level again within a reasonable time.

RESTRICTING THE TEMPERATURE RANGE

With the aid of the two pins (1) on the back of the unit you can set the range of the thermostat wheel. One pin determines the upper value and the other pin the lower value. Move the pins back and forth to loosen them.

LOCKING THE CONTROLS

You can lock the controls flap to prevent unauthorised tampering with the controls. Undo the screw (2) at the back of the control panel and screw it in at the position shown in the diagram below.



NOTE

This guide should be kept by all successive users for future reference.

MAIN SPECIFICATIONS (Dimension in mm)

		sliding-1334				low-1335		medium-1336		tall-1337	
		Height: 220		Height: 310		Height: 430		Height: 650			
	Rating (w)	Amp.	Width	Width	Width	Width	Width	Width	Width	Width	Width
1	500	2.2	580	420	340	260					
2	750	3.3	820	500	340	300					
3	1000	4.3	1060	580	420	340					
4	1250	5.4	1060	820	500	420					
5	1500	6.5	1300	820	580	500					
6	1750	7.6		1060	660	580					
7	2000	8.7		1060	740	660					

MAINTENANCE

The convector requires no special maintenance. To remove dust, use a soft cloth. To remove marks, use a damp cloth. Never use abrasive products which could damage the polyester coating. Periodically remove dust which could collect in the ventilation grids using a vacuum cleaner.

SERVICING

In the event of a fault, disconnect the unit from the main power supply (switch off or unscrew fuse). Repairs are to be done only by a qualified electrician.

IMPORTANT: DO NOT COVER THE APPLIANCE – FIRE HAZARD

Avoid open doors against the ventilation grille or armchairs pushed up against the appliance. Leave the air intake underneath the heater clear. Otherwise, the overheating safety cut-out will operate and the appliance will no longer heat until back to normal conditions.

DO NOT INSERT ANYTHING INTO THE APPLIANCE

Watch children carefully. Do not insert objects of any kind through the apertures in the unit. **Caution!** The unit is hot to the touch when in operation.

GUARANTEE TERMS

The guarantee is strictly limited to replacing free of charge or repairing on our premises the part or parts that are recognised as being defective. Guarantee is for 1 YEAR against all manufacturing defects. Once the manufacturer has agreed to accept the parts, they should be sent free of charge within a fortnight. Disassembly and assembly cannot be at the expense of the manufacturer and no compensation can be claimed for whatever reason. The manufacturer cannot be held liable for any direct or indirect consequences of defects on either persons or belongings, and it is specifically provided that he is in no way responsible for installing the appliances.

The guarantee does not apply for appliances that have been misused or used in conditions other than those for which they were made. Nor will it apply in the event of damage or accident resulting from negligence, lack of care or maintenance or if the appliance has been modified in any way or not installed in accordance with the manufacturers instructions.

STAFF INSURANCE

In the event of an accident at any time and in any circumstances, the manufacturer's liability is strictly limited to its own staff and equipment.

Chatsworth Heating Products Ltd., Riversmeet, Mill Lane, Shiplake, Oxon RG9 3LY
Telephone: 0118 940 1003 Facsimile: 0118 940 6136
E-mail: enquiries@chatsworth-heating.co.uk Website: www.chatsworth-heating.co.uk
Registered in England No: 3151044

Chatsworth heating

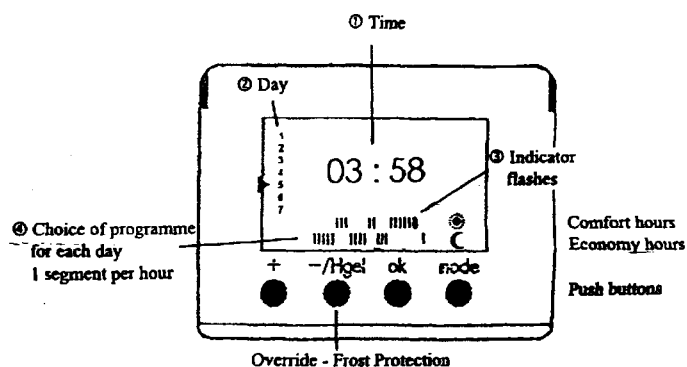
CASSETTE PROGRAMMER INDIVIDUAL OR GROUP PROGRAMMING via a dedicated signalling wire

PRESENTATION

This programmer can be used only in radiators fitted with a suitable receptacle.

LCD screen displays:

- Time (1)
- Day (2)
- Current heating status (3) : Indicator flashes
- Choice of programme for each day (4)



TECHNICAL FEATURES

- Individual programming : one heater/one programmer
- Group Programming : drives up to 20 radiators through the black (pilot) signal wire. See diagram. (Radiators must have an electronic thermostat).
- Weekly programming.
- 2 positions:
 - COMFORT – as adjusted on each heater
 - ECONOMY – reduced (set-back) temperature
- Programming step : one hour.
- Override facility : Frost protection.
- Choice of programmes : each day can be programmed from a selection of 7 pre-set programmes, from P1 to P7 (see below) or one customised programme (P=).
- Built-in battery – can operate for 7 hours max. when removed from the heater's receptacle. If the mains supply is cut off for more than 7 hours, the day and time have to be set again. The recorded programmes will remain stored.
- CE, IP 24, 230V

INSTRUCTIONS FOR INSTALLATION AND USE

INSTALLATION

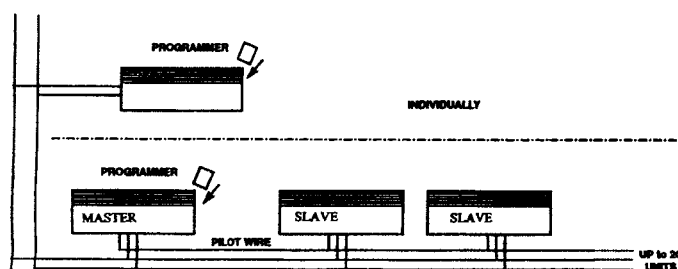
- Remove the cover from the receptacle
- Insert the programmer
- Leave for minimum of 15 minutes to charge the battery – (LCD will not flash immediately)
- Turn the control button on the appliance(s) to the PROG position

Example of Individual Programming

Use an appliance with a receptacle for the cassette programmer

Example of the layout for a Zone

The appliance fitted with the Cassette Programmer is the Master radiator and connected by the black signal wire to the Slave radiators. The Slave radiators must have an electronic thermostat but do NOT require a receptacle. It is the master heater that determines the programme (PROG) setting (Comfort, Economy, Frost Protection).



ELECTRICAL CONNECTION - See diagram

It is imperative that the same phase (brown) and neutral (blue) polarity is used on the whole electric circuit.

Do NOT connect the **BLACK (PILOT) SIGNAL WIRE** to earth.

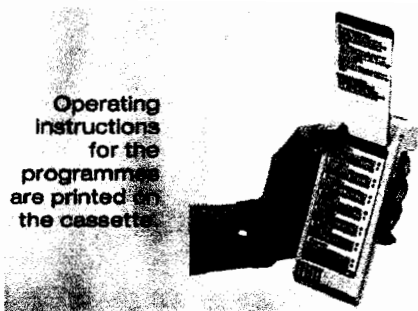
When the programmer drives other radiators, connect the pilot wire from the << master >> unit to the pilot wire of a << slave >> unit and then from one slave unit to another (in series). On every slave radiator, turn the position button to PROG if a heater has this facility on the control button.

NB Any 240 V wire can be used to join the black pilot wire from one heater to another, the signal voltage being a low current.

OPERATING THE PROGRAMMER

The programmer can be operated in or out of the receptacle:

- directly when the programmer is inserted in the appliance receptacle.
- or
- out of the receptacle for up to 7 hours: leave in the receptacle for 15 minutes minimum to charge the battery (LCD will not flash immediately).



A. Setting the time

00.0 flashes

- Press the **mode** button once until the hour flashes
- Alter the hours with + or – sign and confirm **OK**
- Alter the minutes with + or – sign and confirm **OK**
- Alter the days with the + or – sign and confirm **OK**

The black arrow marks the selected day
(1 = Monday, 2 = Tuesday.....)

B. Choose from 7 pre-set programmes or customise 1 programme

- Press **mode** twice (once for 2 seconds and once again briefly).
Pre-set programmes (P1 – P7).
Then with the + or – sign, choose the programme of your choice for each day of the week:
Confirm **OK** for each day.
- The customised programme (P=).
With + or – sign, choose P=.
Then press **mode** (the first hour of the bargraph flashes) and change temperature levels for each hour of the day by pressing “+” for comfort (*thermostat setting*) and “-” for economy (*set-back*). Then after completing 24 hours, confirm **OK** to go on with the next day.

NB : Programmer will be back to original display screen (time + day +) only after each day has received a programme.

C. Override Facility

Important : The frost protection setting is continuous during the days it is set.

For setting frost protection, press the **-Hgel** button till <<HG:01>> appears. Press on the + or – to set number of days required for frost protection (99 days maximum), and confirm **OK** : all units are on the frost protection position.

For instance : “HG:04” = 4 days.

After the set frost protection period, it automatically returns to the registered programme. To cancel frost protection before the end of the set period, press **-Hgel** to return to the registered programme.

When slave radiators are connected to a master radiator, it is possible to manually override one or more slave radiators (only when a heater has this facility on the control button) by turning the control button to the required position (comfort, economy, frost protection or stop). To cancel the manual override, turn back to the PROG position.

PROBLEM SOLVING

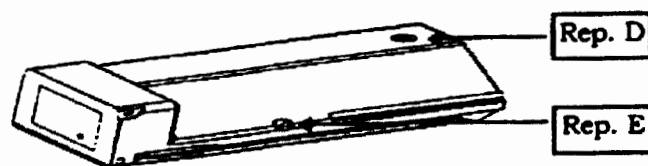
- Display flashes and cannot set time : Exit the existing mode by pressing **OK** to return to the beginning.
- Cassette taken out of heater for more than 7 hours : Return to heater to charge (the internal battery lasts for 7 hours).

LOCKING THE CASSETTE PROGRAMMER INTO THE RADIATOR

Remove the screw (Rep D) from the cassette.

Insert cassette into the receptacle.

Lock by piercing prominent spur on the side of the heater casing till screw enters a matching hole (Rep E) in the cassette.



WARNING

Watch children carefully. Do not insert objects of any kind into the receptacle. Children should not be allowed to play with the cassette programmer under any circumstances.

NOTE

This guide should be kept by all successive users for future reference

GUARANTEE TERMS

The guarantee is strictly limited to replacing free of charge or repairing on our premises the part or parts that are recognised as being defective.

Guarantee is for 1 YEAR against all manufacturing defects. Once the manufacturer has agreed to accept the parts, they should be sent free of charge within a fortnight. Disassembly and assembly cannot be at the expense of the manufacturer and no compensation may be claimed for whatever reason. The manufacturer cannot be held liable for any direct or indirect consequences of defects on either persons or belongings, and it is specifically provided that he is in no way responsible for installing the appliances.

The guarantee does not apply for appliances that have been misused or used in conditions other than those for which they were made. Not will it apply in the event of damage or accident resulting from negligence, lack of care or maintenance or if the appliance has been modified in any way or not installed in accordance with the manufacturers instructions.

Chatsworth Heating Products Ltd., Riversmeet, Mill Lane,
Shiplake, Oxon RG9 3LY

Telephone: 0118 940 1003 Facsimile: 0118 940 6136

E-mail: enquiries@chatsworth-heating.co.uk Website: www.chatsworth-heating.co.uk

Registered in England No: 3151044

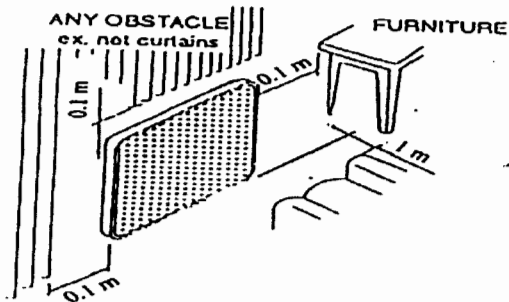
STELLIO PROGRESS RADIANT HEATER

INSTALLATION

POSITION

The appliance should be mounted in a horizontal position on the wall brackets supplied. It should only be operated when in the upright position with the control panel at the top.

It is essential that you observe the minimum clearances as shown in the diagram below particularly in regard to flammable objects.



BATHROOM INSTALLATION

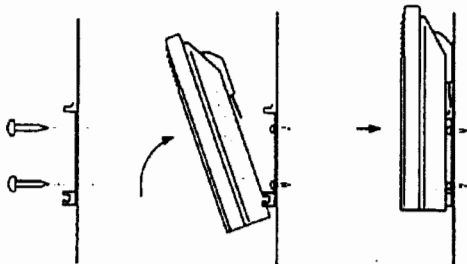
These heaters are splash proof to IPX4 standard.

IMPORTANT – if the heater is installed in a room containing a bath or shower, it must be installed so that a person using a bath or shower cannot touch switches and other controls.

FIXING

Remove the wall mounting bracket from the rear of the unit by depressing the clips at the top of the bracket with a screwdriver (Ref 1 Fig 3)

Fix wall bracket to wall through the four screw holes provided. (Three on some smaller output models).



Do NOT locate the heater immediately below a fixed socket outlet or connection box.

To make it easier to obtain the minimum measurement of 150mm (base of appliance in relation to the floor), just place the mounting bracket against the wall, with the bottom clips on the floor, find the position of the lower drill holes through the central hole (Ref 2 Fig 3).

WARNING: DO NOT CONNECT THIS APPLIANCE TO EARTH AS IT IS DOUBLE INSULATED.

INSTALLATION AND OPERATING INSTRUCTIONS

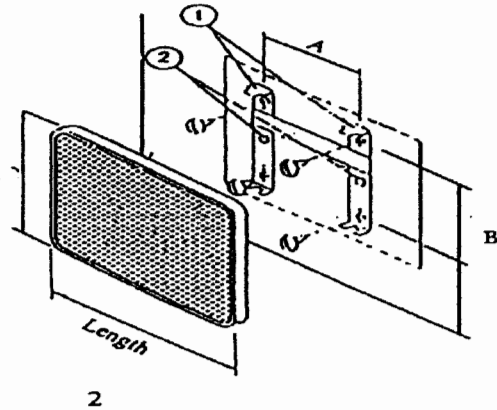


Fig 3

Cable entry on the right

SPECIFICATIONS

Reference	Rating (W)	amp		Firing Centre
Horizontal: Height 440mm			Width (mm)	A (mm)
1132-1	500	2.2	515	178
1132-2	750	3.3	515	178
1132-3	1000	4.3	620	248
1132-4	1250	5.4	725	320
1132-5	1500	6.5	830	405
1132-7	2000	8.7	1040	535
Vertical: Width 440mm			Height (mm)	B (mm)
1133-3	1000	4.3	830	468
1133-5	1500	6.5	1040	618
1133-7	2000	8.7	1145	618

ELECTRICAL CONNECTION

The electrical installation must be carried out by a competent electrician in accordance with current IEE regulations for Electrical Equipment in Buildings.

The heater is fitted with a length of flexible cable for connection to the fixed wiring of the premises through a suitable connection box incorporating a double pole isolating switch with a contact separation of at least 3mm, positioned adjacent to the heater.

The black control wire is designed only to carry a signal from a compatible remote programmer or switching device.

If the black pilot wire is not being used with a compatible programming or switching device it should be terminated and insulated within the fused spur box.

IMPORTANT: Ensure that the wires are fitted correctly to the connecting box terminals.

BROWN: LIVE/PHASE

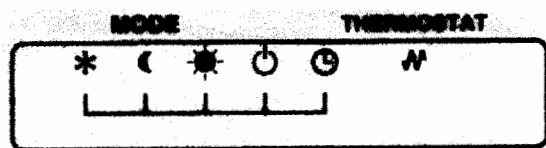
BLUE : NEUTRAL

BLACK : CONTROL WIRE

OPERATION

MULTI-FUNCTION ELECTRONIC CONTROLS

The electronic controls for this appliance have been designed to give you maximum economy.



MODE WHEEL

- * Frost protection: the convector switches on when the temperature falls to around 7°C. Gives maximum economy with no risk of freezing pipes or condensation for long periods of absence.
- ☾ Economy: Temperature reduction mode. Room temperature is reduced by 4°C.
- ☀ Comfort: Thermostat setting between 1-9
- Off Heat off
- ⏻ Programming: when signalling through the pilot wire to a remote programmer or switching device.

THERMOSTAT

Use the thermostat dial to select your desired room temperature. The markings on the dial are in approximately 3.5°C increments. The maximum setting (9) is around 35 °C which means the heater will normally remain on continuously. The easiest way to find your comfort setting is to turn the dial to maximum. When the temperature in the room has reached your ideal comfort level, turn the dial back until the thermostat switches off (the neon light will go out). **Leave at this setting** and the heater will operate as necessary to maintain this room temperature.

THERMOSTAT LIGHT

Light on = Element heating

Light off = Element reached required heating level

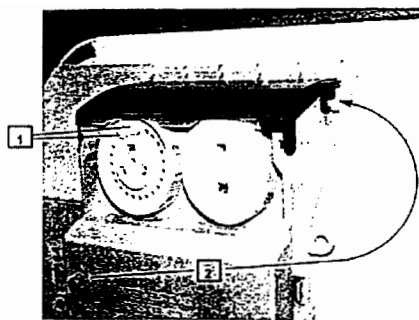
For greatest economy switch the heater to economy setback if you leave the room for long periods or before going to bed. Normally 16 °C is the ideal set back temperature, allowing the room to reach comfort level again within a reasonable time.

RESTRICTING THE TEMPERATURE RANGE

With the aid of the two pins (1) on the back of the unit you can set the range of the thermostat wheel. One pin determines the upper value and the other pin the lower value. Move the pins back and forth to loosen them.

LOCKING THE CONTROLS

You can lock the controls flap to prevent unauthorised tampering with the controls. Undo the screw (2) at the back of the control panel and screw it in at the position shown in the diagram below.



MAINTENANCE

The convector requires no special maintenance. To remove dust, use a soft cloth. To remove marks, use a damp cloth. Never use abrasive products which could damage the polyester coating. Periodically remove dust which could collect in the ventilation grids using a vacuum cleaner.

SERVICING

In the event of a fault, disconnect the unit from the main power supply (switch off or unscrew fuse). Repairs are to be done only by a qualified electrician.

IMPORTANT: DO NOT COVER THE APPLIANCE – FIRE HAZARD

Avoid open doors against the ventilation grille or armchairs pushed up against the appliance. Leave the air intake underneath the heater clear. Otherwise, the overheating safety cut-out will operate and the appliance will no longer heat until back to normal conditions.

DO NOT INSERT ANYTHING INTO THE APPLIANCE

Watch children carefully. Do not insert objects of any kind through the apertures in the unit. **Caution!** The unit is hot to the touch when in operation.

GUARANTEE TERMS

The guarantee is strictly limited to replacing free of charge or repairing on our premises the part or parts that are recognised as being defective. Guarantee is for 1 YEAR against all manufacturing defects. Once the manufacturer has agreed to accept the parts, they should be sent free of charge within a fortnight. Disassembly and assembly cannot be at the expense of the manufacturer and no compensation can be claimed for whatever reason. The manufacturer cannot be held liable for any direct or indirect consequences of defects on either persons or belongings, and it is specifically provided that he is in no way responsible for installing the appliances.

The guarantee does not apply for appliances that have been misused or used in conditions other than those for which they were made. Nor will it apply in the event of damage or accident resulting from negligence, lack of care or maintenance or if the appliance has been modified in any way or not installed in accordance with the manufacturers instructions.

STAFF INSURANCE

In the event of an accident at any time and in any circumstances, the manufacturer's liability is strictly limited to its own staff and equipment.

NOTE

This guide should be kept by all successive users for future reference.

Chatsworth Heating Products Ltd., Riversmeet, Mill Lane, Shiplake, Oxon RG9 3LY

Telephone: 0118 940 1003 Facsimile: 0118 940 6136

E-mail: enquiries@chatsworth-heating.co.uk Website: www.chatsworth-heating.co.uk

Registered in England No: 3151044