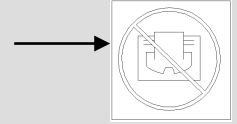


## 1640 / 1640-50 / 1640-50 Portrait Models 2kw Electric Heater User / Installation Instructions

These instructions should be read carefully and retained for future reference

### Important Notes

- This heater must not be located immediately below a fixed socket outlet.
- Do not use the heater in the immediate surrounds of a bath, a shower, or a swimming pool.
- **Do not cover this heater, or obstruct the air inlet or outlet, otherwise there is a risk of overheating.**
- The heater must be cooled down completely before any maintenance
- This heater must be fixed against a vertical surface.
- Under no circumstances should the heater be used as a free standing appliance.
- After unpacking, please make sure that the appliance is intact, with no signs of damage caused by transport. If in doubt, do not use the appliance and contact the Service Centre.
- During normal operation this appliance will emit noise from the internal fan unit.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Children should be supervised to ensure that they do not play with the appliance or handset
- Children of less than 3 years should be kept away unless continuously supervised. Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Cleaning and user maintenance shall not be made by children without supervision
- Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are in the vicinity.
- Do not use this appliance as a primary heat source
- Ensure that furniture, curtains and other combustible materials are positioned no closer than 1m from the front of the fire.
- Do not stand the fire on the carpet – stand on a firm surface, which is free of dust and lint.
- If this fire is supplied through an extension cable, please ensure that it is the only appliance plugged into the extension and that the instructions for the extension cable / reel are followed.
- CAUTION: In order to avoid a hazard due to inadvertent resetting of the thermal cut out, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- This appliance must be positioned so that the plug / fused spur is accessible
- In the event of a fault please disconnect the fire from the mains supply
- If the fire is to be placed in front of an existing chimney opening and there is any risk of chimney debris falling down onto the fire it is recommended that the flue or opening is sealed off with non-combustible non-fibrous insulation materials. Do not place into an existing fireplace that is prone to dampness. Should it be necessary to cap and seal the chimney to prevent personal injury, a professional should be hired to do the work
- Warning: This appliance must be earthed.
- If the fire is to be placed in front of an existing chimney opening and there is any risk of chimney debris falling down onto the fire or drafts from the chimney it is recommended that the flue or opening is sealed off with non-combustible non-fibrous insulation materials. Do not place into an existing fireplace that is prone to dampness. Should it be necessary to cap and seal the chimney to prevent personal injury, a professional should be hired to do the work



The wires in the mains lead connected to this appliance are coloured in accordance with the following code:

Green and Yellow	Earth
Blue	Neutral
Brown	Live

As the colour of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured Green or Green and Yellow. The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black. The wire which is coloured Brown must be connected to the terminal which is marked with letter L or coloured Red.

**For indoor use only. Do not use outdoors.** This appliance is only suitable for well insulated spaces or occasional use.

Please unpack carefully ensuring that any loose parts and all packing items are removed. Read any warning labels carefully (see Maintenance Section). Place waste packaging back into box and dispose of RESPONSIBLY.

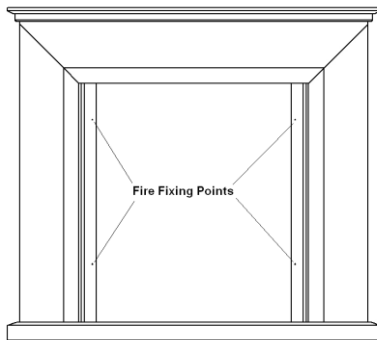
**The surround/appliance must be positioned so that plug (fused spur) is accessible. Only when you are certain that you have completed the installation should you plug in and switch on at the wall socket.**

**Suite Installation**

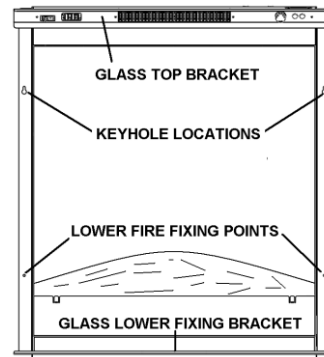
**Before You Start**

Parts supplied (Timber / MDF):	Parts supplied (Marble):
A: 1 off Timber / MDF Suite	A: 1 off Marble Suite unit
B: 1 off electric fire	B: 1 off Fire unit
C: 2 off Each Fixing Brackets (if required)	E: 1 off Remote Control, inc battery and PVC battery cover
D: 4 off 5/8" screws (if required)	F: 4 off No.6 x 1/2 " Pan head screws
E: 1 off Remote Control	

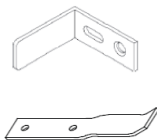
**Parts Identification:**



**Suite Unit (A) – Showing fire fixing points (Suite Design shown for example only)**



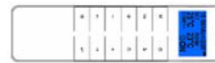
**Fire (B) – Showing fire fixing points (Fire Available in Various heights)**



**Fixing Brackets (C)**



**5/8" Screws (D)**



**Remote Control (E)**

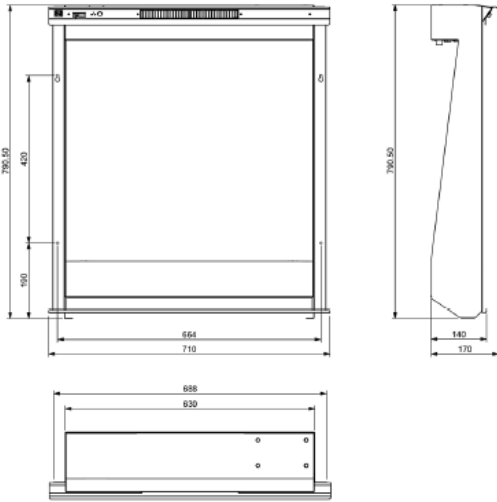


**No.6 x 1/2" Screw (F)**

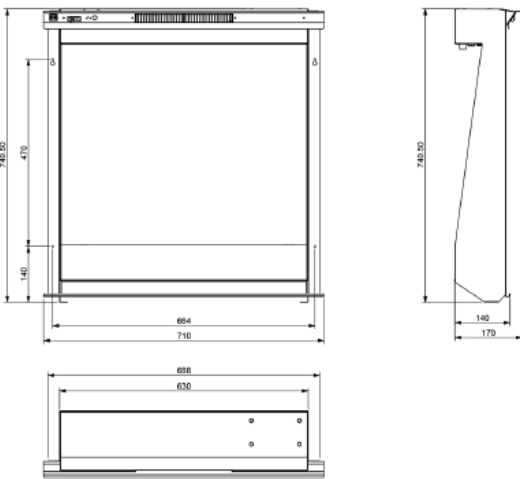
- Check and make sure you have all the parts as listed above. If not, contact: **Be-Modern Helpline on 0191 430-0901.**
- The appliance Data Plate is located on the front of the flame effect housing on the fire unit behind the glass panel.
- Check that the supply voltage details on your flame effect fire are in accordance with your electrical supply. Your fire is fitted with a plug incorporating a 13 Amp fuse. In the event of replacing the fuse in the plug supplied, a 13 Amp fuse approved by ASTA to BS 1362 must be used. Before switching on, please read the following fire installation instructions.
- Prior to installation please remove the transit pads at the base of the Suite "A" if fitted.
- Place Suite "A" in the required position and remove any obstructions, i.e. cut to shape or remove skirting to allow the Suite to butt up flush against the wall (if required). Remember to allow enough space when cutting the skirting for the cable to exit from the desired side.

**Appliance Dimensions**

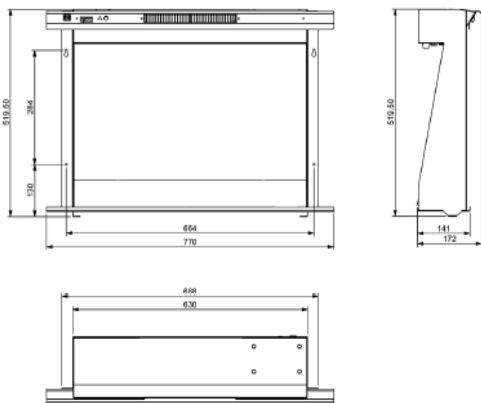
**1640 Standard Fire**



**1640-50 Fire**

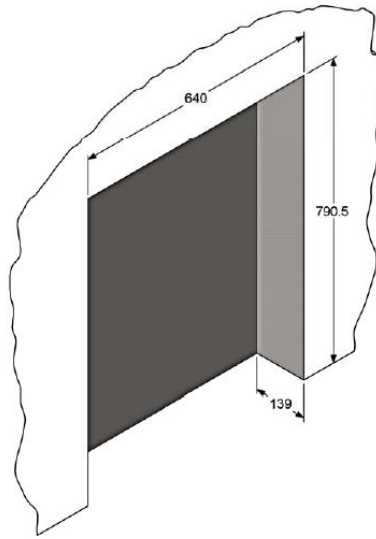


**1640 Widescreen Fire**

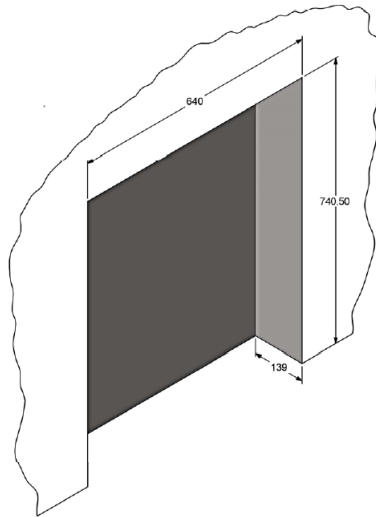


**Minimum opening sizes**

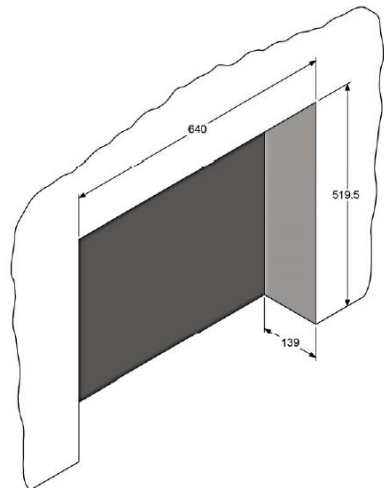
**1640 Standard**



**1640-50 Fire**

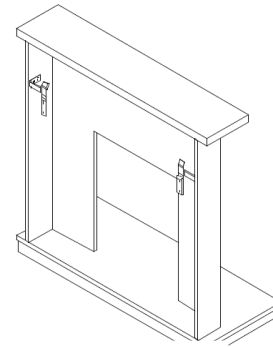


**1640 Widescreen Fire**

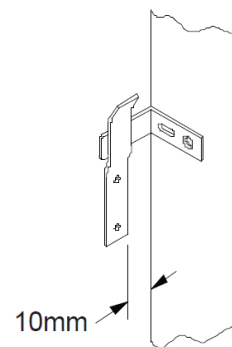


## Installing the Mantel

1. Screw the mantel brackets (C) to the inside of each leg using the four 5/8" screws (D) provided, making sure that they are flush with the rear of the leg. The mantel brackets need to be mounted approximately 100mm from the top of the mantel legs. This may differ slightly depending on the style of mantel you have purchased. **See Fig 1**
2. Position the mantel in the centre of the hearth, lightly marking the wall either side of the legs. Measure in from this point, the thickness of the mantel leg plus 10mm and mark again. **See Fig 2**
3. Ensure the mantel brackets (C) halfway between the two folds on the wall brackets (C)
4. Lift the mantel off the hearth and fix the wall brackets (C) using suitable fixings dependant on the type of wall material
5. Lift the mantel onto the wall brackets. If more tension is required take the mantel off the wall and adjust using the slots on the mantel brackets.
6. **N.B** Should a defect be discovered and in the event of a suite being permanently fixed to the wall, thus denying access to the back, then the householder will be responsible for any costs incurred



**Fig. 1**



**Fig. 2**

## Fitting the Fire unit (B) to the Suite (A) – if not supplied fitted.

**Caution:** The manufacturer recommends two people for removal and installation of this glass panel. Always use caution when handling glass, Failure to do so could result in injury or property damage.

1 – It is recommended that two people are present to complete this next step, With the fire laid on it back, remove the four screws in glass top bracket this allows the top bracket to be removed and gives access to the glass panel (See Page 2, Part B) carefully remove the glass panel by raising the top edge and pulling towards the top of the fire (care must be taken to avoid damage to the glass panel during this step), place the glass panel in a clean safe area.

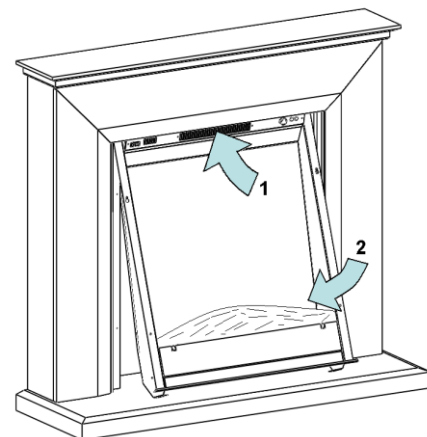
2 - With the suite (A) in position, offer up the fire unit (B) to the suite opening (Fig.3), inserting the top of the fire first and then swinging in the bottom of the fire (ensure that during this step the fire is supported at the bottom at all times to prevent scratching to the top of the Hearth)

3 – Using two of the four screws supplied (F) fit the screws through the top two fire mounting points (See Page 2, Part A and B).

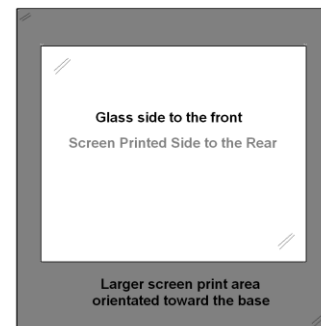
4 –Ensure the top two screws are adequately tightened and secure the fire using the two bottom screws. (See Page 2, Part A and B)

5 – It is recommended that two people are present to complete this next step, place the glass panel in the glass lower fixing bracket (See Page 2, Part B) ensuring that the screen printed surface of the glass panel is facing towards the fire and the thicker band of screen print is at the bottom (Fig. 4). With the glass panel in position offer up the Glass top Bracket to the face of the heater and using the four 3/8" screws removed in step 1 secure the Glass top bracket to the fire unit.

6 - The installation is now complete.



**Fig.3**

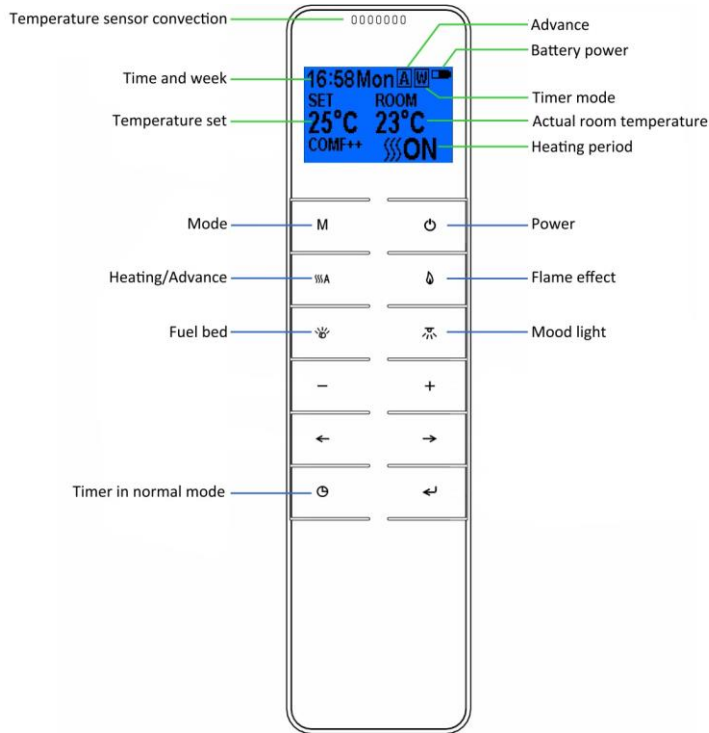


**Fig. 4**

## 1. Operating the Appliance:




- 1.1 The user controls on appliance are located at the upper left of the appliance.
- 1.2 Turning on the appliance with the main power switch to “—” position. A long beep will be heard.
- 1.3 Press “LIGHTS ON / OFF” to turn on or turn off the flame effect.

## 2. Operating by remote




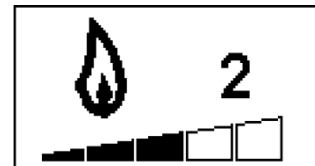
- 1.1 The communication between the remote and appliance will already be established. Please read page 6 - 1.13 to set it up if you can't operate the appliance with the remote.

### 1.2 Turn on / off


- 1.2.1 Press  to turn on the flame effect.
- 1.2.2 Press  to turn off all the functions under the normal mode including flame effect and heater fan.
- 1.2.3 Press  to turn off the flame effect under daily and weekly timer mode.

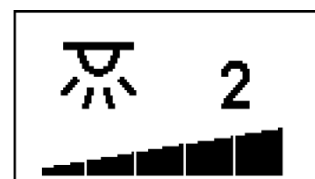
### 1.3 Flame effect

- 1.3.1 Press  to enter the flame effect adjustment screen.
- 1.3.2 Press the '←' and '→' button to select the 3 colours of flame effect.
- 1.3.3 Press the '+' and '-' button to select the 5 brightness of flame effect.



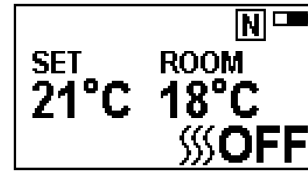
### 1.4 Mood light (if applicable)

- 1.4.1 Press  to enter the mood light adjustment screen.
- 1.4.2 Press the '←' and '→' button to cycle through the 13 colours of mood light or a colour-cycle mode (setting 14)
- 1.4.3 Press the '+' and '-' button to select the 5 brightness of mood light and OFF settings.



## 1.5 Normal mode

- 1.5.1 Normal control mode is factory set. Or press **M** button until the logo **N** shows up at the upper right corner of the screen.
- 1.5.2 Press the '+' and '-' button to adjust the temperature setting from 17°C to 25°C (increments of 2°C)
- 1.5.3 Press **⏻** **A** button to turn on / off heat, **⏻**ON, **⏻**OFF will show at the lower right corner of the screen. It is normal for the fan heater to stop running for periods of time. This happens because the room temperature is at or above the temperature set on the remote control.



The heater indicator **⏻** will be turned off after 10s if you have the flame ON. The heater indicator will stay ON if you use the heating function only.

### 1.5.4 Timer function

- This setting is only for normal mode. It allows the appliance to be returned to Standby after a set period of time.
- Press **⌚** to cycle through the settings from Off and 0.5 hours to 9 hours. The timer logo and time will show on the screen.

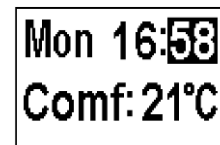
## 1.6 Low Battery

The battery symbol will flash on the screen when the remote's batteries need replacing. Battery replacement is recommended after 1 year. The batteries are 1.5V alkaline AA x 2.

The heater can be automatically run by using daily timer and weekly timer on the remote.

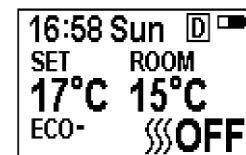
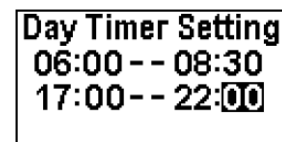
## 1.7 Weekly timer / daily timer / comfortable temperature and unit setting

- 1.7.1 Hold the button **M** for 3 seconds to enter the setting screen.
- 1.7.2 Press the '←' and '→' button to choose what you want to select. The selected character will be highlighted
- Press the '+' and '-' button to adjust the number.
  - Time: 24-hour system
  - Select your comfortable temperature from 15-25°C.
  - Temperature unit: °C, °F



## 1.8 Daily timer mode

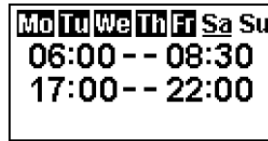
- 1.8.1 Has the following preset heating periods, which can be altered if desired  
06:00 until 8:30  
17:00 until 22:00
- 1.8.2 Press **M** until **D** shows at the upper right corner of the screen, then enter the daily timer heating mode.
- 1.8.3 Hold the button **⏻** for 8 seconds to enter the daily heating setting.
- Max 3 timed heating periods per day.
  - Press '←' or '→' to choose hour or minute, press '+' or '-' to set the time.
    - Minute setting increases / decreases by 15min per press.
  - Press the ← or → to move to the next line or time setting on the current line, press the → on the last line to return to the first time setting line.
  - Hold **⏻** for 3 seconds or wait for 8 seconds to save and exit the heating time period setting.
- 1.8.4 Adjusting the temperature setting
- Press the '+' or '-' button to increase or decrease the temperature setting on the basis of your comfort temperature setting.
  - ECO means 2°C lower than your comfortable temperature setting, ECO- means 4°C lower, COMF+ means 2°C higher, COMF++ means 4°C higher.



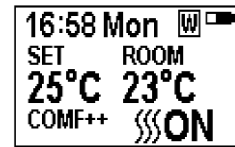
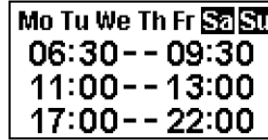
### 1.9 Weekly timer mode

1.9.1 The following preset heating periods can be altered if desired.

From Monday to Friday  
06:00 until 08:30  
17:00 until 22:00



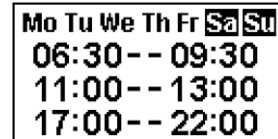
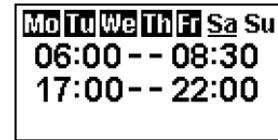
From Saturday to Sunday  
06:30 until 09:30  
11:00 until 13:00  
17:00 until 22:00



1.9.2 Press **M** until shows at the upper right corner of the screen, then enter the week heating mode.

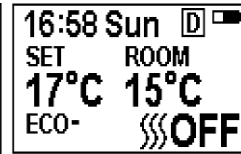
1.9.3 Hold for 8 seconds to enter the weekly timer heating mode setting.

- Press '←' or '→' to move the cursor (a flashing underline), press the button in the corresponding week position to select (the character is highlighted) or cancel (the character is displayed normally) the current setting. Several time periods can be selected together.
- Press the '→' button to move the cursor to the time period setting area. Press '←' or '→' to choose hour or minute, press '+' or '-' to set the number.
- Max 3 heating periods for a day.
- Minute will increase / decrease by 15mins per press.
- Press the '←' or '→' to move to the next line or time setting on the current line, press the → on the last line to return to the first time setting line
- Hold 3s or wait for 8s to save and exit the heating time period setting.



#### ■ Advance mode

- Under the daily and week timer mode Pressing **A**
- Will turn the heater on or off



#### ■ Window open detection

- When the transmitter detects a rapid drop in room temperature, it will be judged as a window open, the warning icon will be displayed and the heater will be turned off automatically. After the indoor temperature has risen or by manual intervention (by operating remote control), the heater will return to its normal working state.



### 1.10 Pairing the handset to the appliance

1.10.1 The below operation should be carried out before programming, when changing to a new remote or in the event the appliance cannot be controlled by the remote:

- Hold the reset button on the appliance for 3 seconds (pen point may needed) until you hear 3 short beeps from the unit, release the button.
- Press the button on the remote, the programming is finished when you hear 1 long beep from the appliance.

1.10.2 Resetting the remote control is necessary if the appliance operates incorrectly or does not respond when operated.

- Open the back cover of the remote control.
- Press the Reset button.
- Follow the programming steps.



**Note:** When the heater is turned on there will be a brief period (aprox 6 secs) where the heater will blow cold air. This is to clear the elements of any debris (Dust, Hair etc) that may have collected on the elements. Similarly once the heater is switched off the fan will blow cold air through the elements ensuring that the elements are cooled before turning off the fan

### Safety Thermal Cut-out and Thermal Link:

This appliance is fitted with an Electric Safety Control (E.S.). This is a safety device, which switches off the fire if, for any reasons, the appliance overheats. The E.S. Control can only be re-set after the appliance has cooled down, in Order to re-set the E.S. Control, proceed as follows:

- Switch off the appliance. Unplug at wall socket and leave for approximately 5-10 minutes.
- Plug in switch on appliance and the E.S. Control will re-set.

Ensure that the appliance is functioning correctly. If the E.S. Control switches off again it is advisable to have the appliance checked by a competent electrician.

**CAUTION:** In order to avoid a hazard due to inadvertent resetting of the thermal cut out, this appliance **must not be** supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

### Maintenance:

**WARNING: - Before undertaking any maintenance or cleaning, ensure appliance is disconnected from mains supply.**

**Only competent persons should service / repair appliance.**

**WARNING: There are no internal user serviceable parts, i.e. bulbs, in this product. Under no circumstance should access be gained to the internal parts other than by a suitably qualified person.**

**Please note: - If the supply cord on this appliance is damaged it must be replaced by the manufacturer, Authorised Service Agent, or a qualified person to avoid hazard.**

### Care

Warning: Before undertaking any maintenance or cleaning disconnect appliance from main supply. Only competent persons should service / repair appliances.

#### General Suite Care – not glass

To maintain the appearance of you new suite we recommend that it is dusted using a lint free cloth. NEVER use any form of abrasives or a DAMP cloth on the surround. The area around the fire should be kept free of any materials such as lint or house dust (i.e. animal hair/ carpet fibres) that could be drawn into the internal workings of the appliance and hence affect the performance. We recommend that you clean around the fan grille housing at regular intervals. This can be done using standard vacuum cleaner and suitable attachment.

#### Glass Care

**Caution:** The manufacturer recommends two people for removal and installation of this glass panel. Always use caution when handling glass, Failure to do so could result in injury or property damage.

Periodically it may be necessary to remove the glass screen for cleaning. This is achieved by first disconnecting the appliance from the mains supply and then removing the four screws securing the glass top bracket to the heater box, this will release the glass top bracket. **Important:** Ensure that the glass panel is supported during removal as it may swing out from the top when the glass top racket is removed. With the glass top bracket removed, lift the glass panel upwards and towards to remove the panel from the fire. Place in a clean, soft, safe location for cleaning.

When cleaning the glass panels use a slightly damp cloth. Do not use washing powders or any other substance containing abrasives since these substances scratch glass. Refitting is the reversal of this procedure.

## Electric Fire Guarantee

Be Modern Ltd (the 'Company') provide a **twelve month** guarantee in respect of electric fire (the 'Product') ranges.

#### 1. The twelve month Guarantee applies to:

- All 'Products' in the ranges manufactured by the 'Company' (but subject to exceptions below); where
- The 'Product' has been purchased and installed within the UK and in respect of
- The initial installation; and in favour of
- The original Purchaser

#### 2. Proof of purchase must be retained by the Purchaser

#### 3. The twelve month Guarantee does not apply to :

- Damage or inferior workmanship practices while the 'Product' is being installed
- Damage caused by the mis-use of the 'Product' or where normal standards of care and use have not been complied with.
- Damage through a malfunction or an inadequately installed electric fire.
- Damage or defects due to, mis-use, accident or unauthorised alterations. During the **twelve month** after the 'Product' has been supplied, the Guarantee covers the making good (whether by repair or replacement at the company's option) of defects arising from defective manufacture of materials of 'Product' covered in paragraph (1), all at no cost to the Purchaser.

#### **This Guarantee does not affect your statutory rights**

On requiring service contact the retailer who supplied your product who will assist you and advise you as necessary.



**Environment**



Meaning of crossed –out wheeled dustbin:

Electrical appliances should not be disposed as unsorted municipal waste. Separate collection facilities should be used in the disposal of electrical appliances. Contact your local government for the information about the available collection systems. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When old appliances are replaced by the new ones, it is a legal obligation for the retailer to take back the old appliance for disposals at least free of charge.



This fire complies with the Safety Standards EN 60335-1 and EN 60335-2-30 which covers the essential requirements of the Low Voltage Directive 2014/35/EU and the EMC standards EN 55014-1; EN 55014-2; EN 61000-3-2 and EN 61000-3-3 which covers the essential requirements of the European Electro Magnetic Compatibility 2014/30/EU, and the RED standards EN300220-2, EN301489-1, EN301489-3 and EN6247 which covers the essential requirements of the European Radio Equipment Directive 2014/53/EU.



This fire complies with the Safety Standards BS 60335-1 and BS 60335-2-30 which covers the essential requirements of the Electrical Equipment (Safety) Regulations 2016 and the EMC standards BS 55014-1; BS 55014-2; BS 61000-3-2 and BS 61000-3-3 which covers the essential requirements of the Electro Magnetic Compatibility Regulations 2016, and the RED standards BS 300220-2, BS 301489-1, BS 301489-3 and BS 6247 which covers the essential requirements of the Radio Equipment Regulations 2017.



RoHS stands for Restriction of Hazardous Substances, and impacts the entire electronics industry and many electrical products as well. The Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, originated in the European Union in 2002 and restricts the use of six hazardous materials found in electrical and electronic products. All applicable products in the EU and UK market since July 1, 2006 must pass RoHS compliance.

Control PCB	Remote Control Receiver	Remote Control Transmitter
Hardware: RC01-040A06 Software: 20171110	Hardware: RF290B V1.2	Frequency: ASK/OOK 433.92MHZ Maximum transmit power: 10mW Hardware:RF290A-TX-V1.3 Software: RF290A_C_V0.6.0.hex

Table 2

**Information requirements for electric local space heaters**

Model identifier(s): 1640 / 1640-50 / 1640-50 Portrait					
Item	Symbol	Value	Unit	Item	Unit
<b>Heat Output</b>				<b>Type of heat input, for electric storage local space heaters only (select one)</b>	
Nominal heat output	$P_{nom}$	2.0	kW	manual heat charge control, with integrated thermostat	[yes/no]
Minimum heat output (indicative)	$P_{min}$	1.0	kW	manual heat charge control with room and/or outdoor temperature feedback	[yes/no]
Maximum continuous heat output	$P_{max,c}$	2.0	kW	electronic heat charge control with room and/or outdoor temperature feedback	[yes/∅]
<b>Auxiliary electricity consumption</b>				fan assisted heat output	[yes/no]
At nominal heat output	$el_{max}$	0.0125	kW	<b>Type of heat output/room temperature control (select one)</b>	
At minimum heat output	$el_{min}$	0.012	kW	Single stage heat output and no room temperature control	[yes/no]
In standby mode	$el_{SB}$	0.00048	kW	Two or more manual stages, no room temperature control	[yes/∅]
				with mechanic thermostat room temperature control	[yes/no]
				with electronic room temperature control electronic room temperature control plus day timer	[yes/∅]
				electronic room temperature control plus week timer	[yes/∅]
<b>Other control options (multiple selections possible)</b>					
				room temperature control, with presence detection	[yes/no]
				room temperature control, with open window detection	[yes/∅]
				with distance control option	[yes/no]
				with adaptive start control	[yes/∅]
				with working time limitation	[yes/∅]
				with black bulb sensor	[yes/no]
Contact details	Name and address of the manufacturer or its authorised representative. Be Modern Ltd, 19-34 Bedesway, Bede Industrial Estate, Jarrow, NE34 3BE				