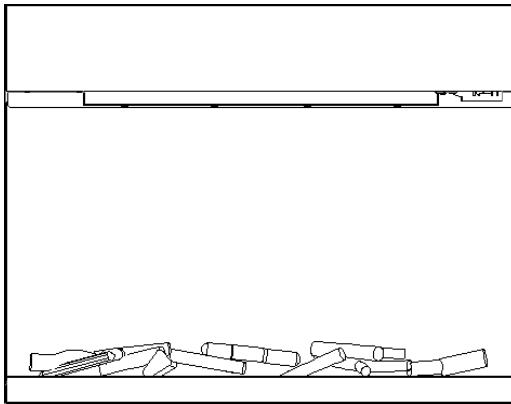


# Wall Mounted LED Electric Fire

Model No.E145R  
INSTALLATION AND  
OPERATION INSTRUCTIONS




**Please read the instructions carefully before installation or  
use and keep for future reference**

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## 1. IMPORTANT SAFETY INFORMATION

- 1.2 For indoor use only.** This appliance is not suitable for use outside the house and **only suitable for well insulated spaces or occasional use.**
- 1.3 Do not use this appliance in the immediate surroundings of a bath, a shower or a swimming pool.
- 1.4 Do not use this fire as a free-standing appliance. It must always be fixed to the wall, fireplace mantel, floor etc.
- 1.5 This fire must not be located immediately below a socket-outlet.
- 1.6 This appliance must be earthed.
- 1.7 This appliance must not be plugged into a timer, or connected to a socket that is switched on and off regularly in order to avoid inadvertent resetting of the thermal cut out.
- 1.8 If the power cord is damaged, it must be repaired by the manufacturer, its authorised service centre or a qualified electrician.
- 1.9 This symbol  signifies “**DO NOT COVER**”
- 1.10 Warning: To avoid overheating, do not allow the appliance to be covered or let the air inlet/outlet become obstructed.**
- 1.12 Keep the power cord away from hot surfaces and hot conditions. Do not route the power lead in front of the appliance.
- 1.13 Do not use this fire in rooms that contain explosive fumes (e.g. petrol), or if you are using solvents, glue, aerosol spray or in flammable paints, as these

may catch fire.

- 1.14 This appliance should only be used by children aged 8 years and above and people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning safe use of the appliance and understand the hazards involved.
- 1.15 Children and vulnerable people must be supervised at all times when using this appliance, as some parts can become very hot and cause burns.
- 1.16 Do not use this appliance in small rooms when they are occupied by people not capable of leaving the room on their own, unless constant supervision is provided.
- 1.17 Cleaning and user maintenance should not be undertaken by children.
- 1.18 Children should not play with this appliance.
- 1.19 Children under 3 years old should be kept away from the fire unless
- 1.20 continuously supervised.
- 1.21 Keep the power plug accessible after installation.

**Information below for authorized person or service centre only:**

A non-rewireable plug fitted with a 13A fuse is supplied. Should the fuse or plug need replacing, and you are competent to do so, it must be replaced with a 13A fuse or plug which is 13A BS1363A approved.

## 2. TECHNICAL SPECIFICATIONS

Model No.: E145R  
 Supply Voltage: AC 220-240V 50Hz  
 Maximum power consumption: 2KW  
 Power for flame effect: 10.5W  
 Power for fuel bed: 2W  
 Power for mood light:0.5W,

### Heat Output:

Nominal heat output (Pnom): 2KW  
 Minimum heat output(indicative) (Pmin): 1KW  
 Maximum continuous heat output (Pmax): 2KW

### Auxiliary Electricity Consumption:

At nominal heat output (elmax): 12.5W  
 At minimum heat output (elmin): 12.0W  
 In standby mode (elSB): 0.49W

### Type of heat output / room temperature control

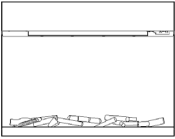




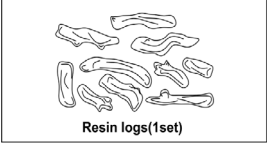
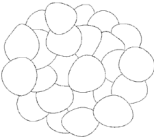

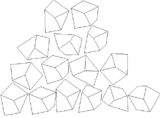
Single stage heat output and no room temperature control	No
Two or more manual stages, no room temperature control	No
With mechanic thermostat room temperature control	No
With electronic room temperature control	Yes
Electronic room temperature control plus day timer	Yes
Electronic room temperature control plus week timer	Yes

### Other Control Options

Room temperature control, with presence detection	No
Room temperature control, with open window detection	Yes
With distance control option	No
With adaptive start control	Yes
With working time limitation	No
With black bulb sensor	No

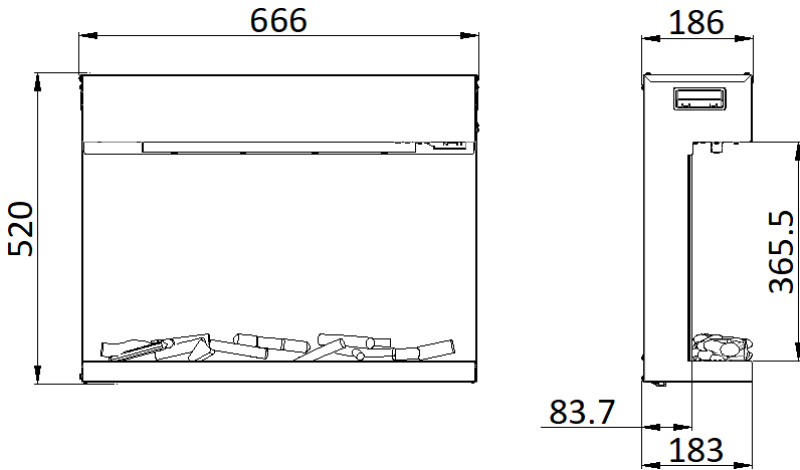
### 3. PARTS AND HARDWARE

- 3.1 Unpacking the fire carefully, make sure that the appliance is intact with no signs of damage caused by transport and no part has been exposed to water. If in doubt, do not use the appliance and contact an authorised service centre.
- 3.2 Keep plastic wrapping away from children.
- 3.3 Save the original packaging as this may be required in the event of a service complaint with the product.
- 3.4 Check that all parts are removed from the packaging and you are not missing any parts.
- 3.5 Use the grid on the next page to ensure you have all relevant parts needed to operate your appliance.

<p><b>A.</b></p>  <p><b>Fire (1)</b></p>	<p><b>B.</b></p>  <p><b>Instruction (1)</b></p>	<p><b>C.</b></p>  <p><b>Only available with wall mounted suite.</b></p>
<p><b>D.</b></p>  <p><b>AAA Battery (2)</b></p>	<p><b>E.</b></p>  <p><b>Remote Handset (1)</b></p>	<p><b>F.</b></p>  <p><b>Resin logs(1set)</b></p> <p><b>Logs (1 set)</b></p>
<p><b>G.</b></p>  <p><b>Small Pebbles(1 set)</b></p>	<p><b>H.</b></p>  <p><b>Larger Pebbles (1 set)</b></p>	<p><b>I.</b></p>  <p><b>Resin Glass(1 set)</b></p>

## 4. APPLIANCE DIMENSIONS

Unit: mm



**NOTE: Compatible LED mood lights are available from Appliance Development Services Ltd. Other makes may not be suitable, and will void the warranty if used.**

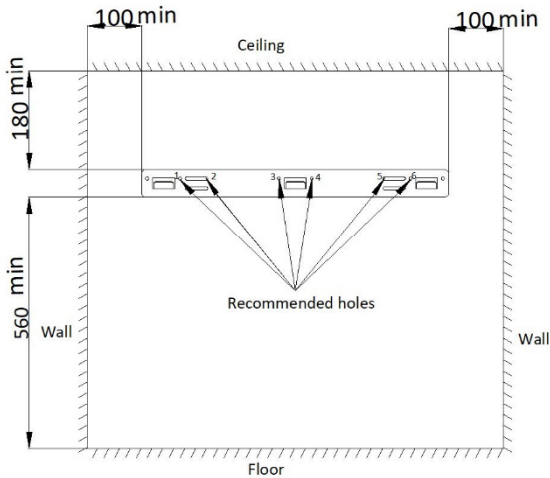
## 4a. INSTALLATION INSTRUCTIONS

### Tools Required :

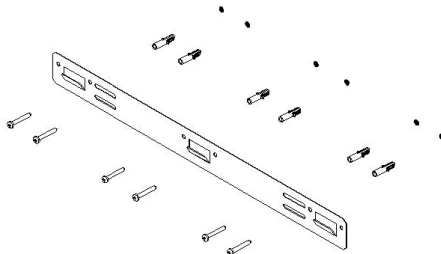
Electric Drill , Hammer, Screwdriver.

### Wall Mounting Instructions when used with mantle E145S.

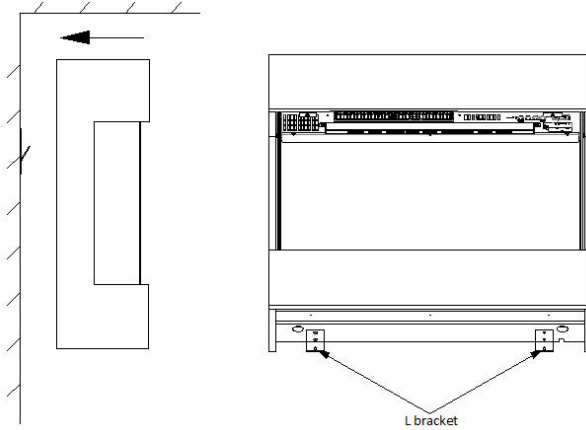
4a.1 Take the wall mounted bracket included with the mantle. Choose a solid wall and mark six holes using the holes on the bracket. Drill the marked position using a suitable sized drill bit for your chosen fixings.



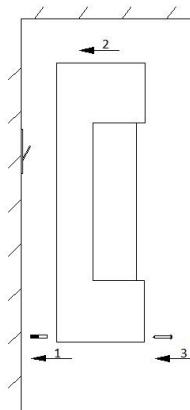
4a.2 Tap the plastic wall plugs into the six holes. Then use six ST5\*40 screws to fix the bracket to the wall.



4a.3 Hang the completed suite onto the bracket and mark the position of the holes for the two L brackets at the base of mantle. Once marked remove the suite from the bracket.



4a.4 Drill the two marked holes using a suitable drill bit and insert two plastic wall plugs. Rehang the suite onto the bracket and use two ST5\*40 screws to fix the unit to the wall.



## 5. OPERATING INSTRUCTIONS

**WARNING! Do not operate the appliance if it is damaged or has malfunctioned. If you suspect the appliance is damaged or has malfunctioned, DO NOT USE and please contact the retailer to arrange repair or replacement of the faulty unit.**

**WARNING! To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 metre from the air outlet.**

Ensure the plug fits tight in the socket. Faulty wall socket connections or loose plugs can cause the plug and socket to overheat.

**Do not** disconnect the power at the mains supply whilst the appliance is running. Use the functions on the remote to turn the fire off and ensure the mains rocker switch has been moved to the off position before disconnecting.

### PREPARATION BEFORE USE

5.1 The appliance can be operated by either remote control or the manual controls on the appliance.

**NOTE: To use both remote and manual functions the manual on/off switch must be in 'ON' position. In order to prevent the product becoming too hot, there is a 10 second delay when turning on the heater and a 10 second delay when turning off the heater.**

### Batteries

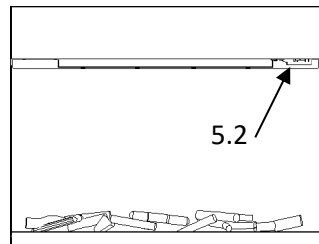
Ensure that the remote batteries are new and inserted correctly.

### Main Power Switch

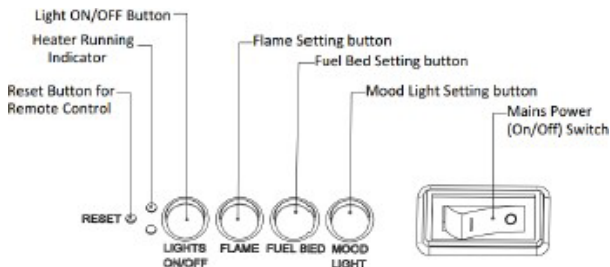
5.2 The mains power rocker switch is located at the front of the fire unit on the right hand side.

5.3 Switch ON (—) before operating either the remote or manual controls.

5.4 A long beep is heard to indicate the fire is ready for use.



## 5a. MANUAL CONTROL PANEL



**NOTE: The manual buttons control the basic functions of the appliance. Use the remote to carry out the full range of functions, including using the heat.**

5a.1 The manual buttons are located on the front of the fire on the right hand side next to the mains power rocker switch.

5a.2 Press the “LIGHTS ON/OFF” to turn on or turn off both the flame and moodlight at the same time.

5a.3 Press “FLAME” button to select the colour of flame (3 variations) or return to the OFF setting.

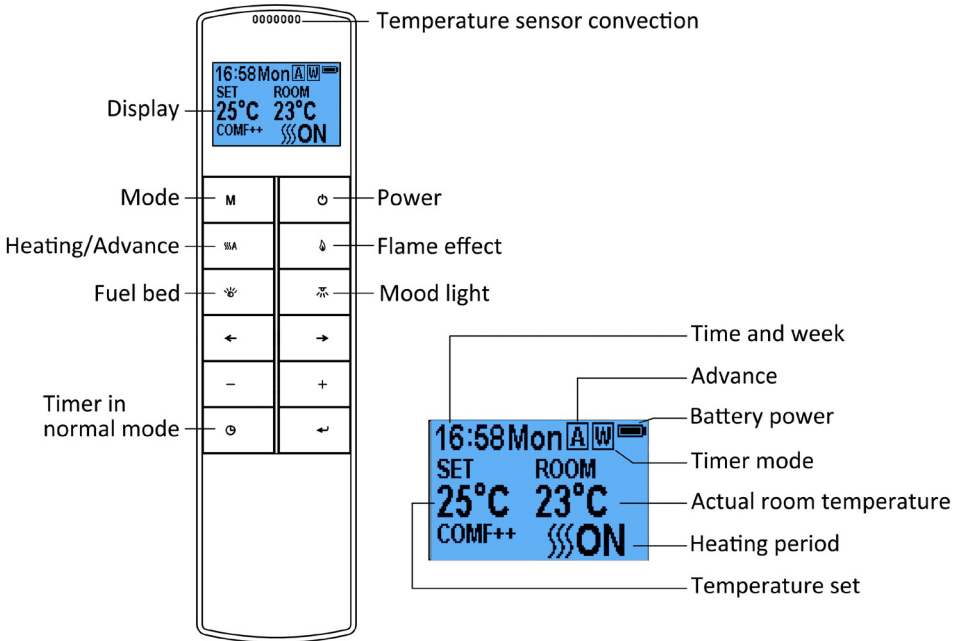
5a.4 Press the “MOOD LIGHT” button to select the colour of mood light (13 variations), colour-cycle mode or return to the OFF setting.

5a.5 Press the “FUEL BED” button to select the colour of fuel bed (13 kinds), colour-cycle mode or return to the OFF position.

**NOTE: The appliance will lose the memory for all function settings when the mains power rocker switch is set to the off position. Daily/Weekly timers cannot be used while the mains power rocker switch is set to OFF.**

**When the remote runs out of power and you change the batteries the clock may need adjusting however any timer settings will not be lost.**

## 5b. REMOTE CONTROLS

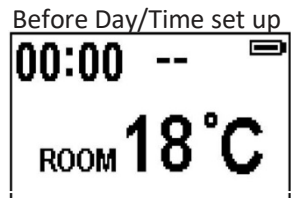


**NOTE: This is a thermostatic remote control. The remote should be in the same room as the fireplace and placed on a flat surface. It must be placed away from the fire to prevent hot air blowing on it and affecting the thermostatic reading.**



The communication frequency between the fire and remote has already been set up. If you cannot use the remote with the fire, please follow the instructions outlined in **Step 5b.37**.

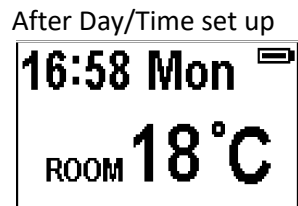
### Standby for Remote Handset

5b.1 The screen shown to the right is when the remote handset is in standby mode.




### Turn on/off

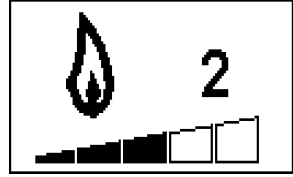
5b.2 Press  to turn on the remote. Press  again to turn on the fire.



## Flame Effect


5b.3 Press  to enter the flame effect adjustment screen.

5b.4 Press the '←' and '→' button to select the 3 Kinds of flame effect.

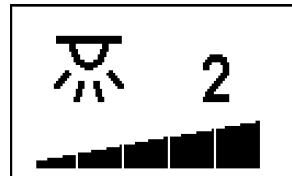


5b.5 Press the '+' and '-' button to select the 5 brightness of flame effect and OFF settings.

## Mood Light


5b.6 Press  to enter the mood light adjustment screen.

5b.7 Press the '←' and '→' button to select one of the 13 mood light colours or 14th option of the continuous cycle mode.

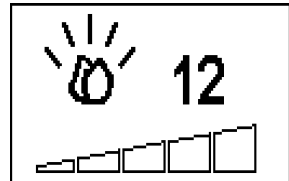


5b.8 Press the '+' and '-' button to select the 5 brightness of mood light and OFF settings.

## Fuel Bed

5b.9 Press  to enter the fuel bed adjustment screen.

5b.10 Press the '←' and '→' button to select one of the 13 mood light colours or 14th option of the continuous cycle mode.



5b.11 Press the '+' and '-' button to select the 5 brightness of mood light and OFF settings.

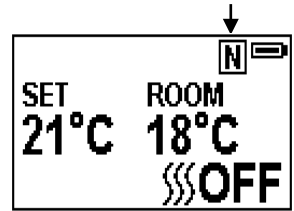
## Normal Mode

5b.12 Normal control mode is factory set. If it is not

Then press **M** button until the logo **N** shows up at the upper right corner of the screen.

5b.13 Press the '+' and '-' button to adjust the setting temperature from 17°C to 25°C by 2 intervals.

5b.14 Press **||| A** button to turn on/off heat **|||ON**、**|||OFF** will show at the lower of the screen.



**NOTE: 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 10 second if you have the flame ON. If using only the heating function the remote will display ON to avoid the fire being left unattended while operational.**

## Count Down Timer

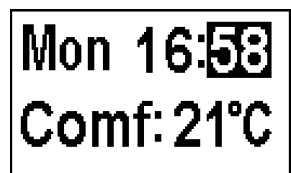
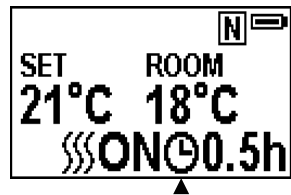
**NOTE: This setting is for normal mode only. It allows the appliance to go into standby after a set period of time.**

5b.15 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. **The heater must be in the ON position.**

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

## Set up day, time and comfortable temperature

5b.16 Press **⏻** to turn on the remote handset. Hold the button **M** for 3 seconds to enter the setting screen.



5b.17 Press the '←' and '→' button to choose Day, Time or your comfortable temperature. The character selected will be highlighted.

5b.18 Pressing the '+' and '-' button will adjust the number.

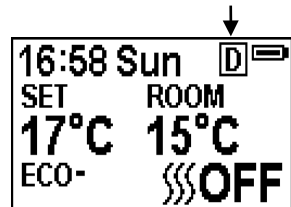
- Time: 24-hour system
- Select your comfortable temperature from 15-25°C.
- Temperature unit: °C、°F

**Daily Timer Heating 5b.19 The following are pre-set heating periods**

5b.19 The following are pre-set heating periods which can be altered if desired

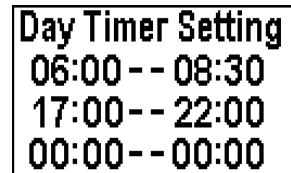
06:00 until 08:30  
17:00 until 22:00

5b.20 Press **M** until **D** shows at the upper right corner of the screen, then enter the daily timer heating mode.




5b.21 Hold the arrow symbol button ← for 6 seconds to enter the daily timer setting. Max 3 timed heating periods per day.

- Press '←' or '→' to choose hour or minute, press '+' or '-' to set the time.
- Minute will increase/decrease by 15 minutes per press.
- Hold ← for 3 seconds or wait for 10 seconds to save and exit the heating time period setting.



5b.22 Adjusting the set temperature

- Press the '+' or '-' button to increase or decrease the temperature until required level is reached.
- 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.

5b.23 To check your daily timer settings, press .

5b.24 If heating needs to be turned off, it will be necessary to go back to the Normal Mode to turn off.

### Week Timer Heating

5b.25 The following are pre-set heating periods, which 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

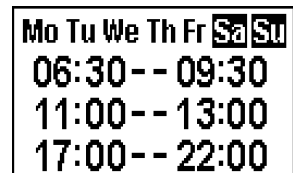
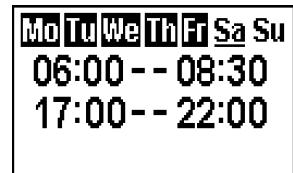
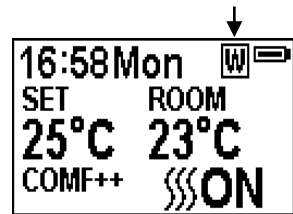
11:00 until 13:00

17:00 until 22:00

5b.26 Press **M** until  shows at the upper right corner of the screen, then enter the week timer heating mode.

5b.27 Hold  button for 6 seconds to enter the week timer setting.

- Press ' $\leftarrow$ ' or ' $\rightarrow$ ' 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 days can be selected together.
- Press the ' $\rightarrow$ ' button to move the cursor to the time period setting area. Press ' $\leftarrow$ ' or ' $\rightarrow$ ' to choose hour or minute, press '+' or '-' to set the number.
- Max 3 heating periods for a day.
- Minute will increase/decrease by 15 minutes per press.
- Press the  to set the heating time for the selected day(s) and return to the week line.
- Hold  for 3 seconds or wait for 10



seconds to save and exit the heating time period setting.

5b.28 Press **←**, **'←'** and **'→'** to check your week Timer settings.

5b.29 If heating needs to be turned off, it will be necessary to go back to the Normal Control Mode to turn off.

### Advance Mode

5b.30 Under the daily and week timer mode, Press **⋮ A**:

5b.31 To turn the heater off when the heater is on during a pre-set heating period.

5b.32 To turn the heater on when the heater is off in between pre-set heating periods.



### Adaptive Start Control

5b.33 Depending on the room temperature and set temperature, the heater will automatically come on in time to heat the room to the set temperature at the set time. For example, if your timer is set to start at 18:00 and temperature is set to 23°C, the fire will come on at 17:30 to ensure the room is 23°C at 18:00.

### Window Open Detection

5b.34 When the remote control detects a rapid drop in room temperature, it will be identified as a window open, the warning icon will be displayed and the heating will be turned off automatically.



5b.35 After the indoor temperature has risen or a manual override of the warning (by operating remote control) has been performed, the fire will return to normal working status.

## Connecting the Remote to your Fire Unit.

### 5b.36 The steps below should be followed when connecting a NEW remote to your fire.

- Firstly, please ensure the rocker switch is set to the **ON** position.
- On the fire near the manual buttons, you will see the word **RESET** in white capital letters. There are two lights and a reset button here. You will need to use a pen nib (or something similar) to press this.
- Keeping the remote close to you, press and hold in the reset button until you hear three short beeps from the fire.
- Once you have heard the three short beeps, immediately press the **power button** on the remote and you should hear a fourth, longer beep.
- The remote is now connected to the fire
- If the fire does not beep the fourth, longer time, please repeat steps above.

### 5b.37 The steps below should be followed when re-connecting an existing remote to your fire.

- Firstly, slide off the back cover of the remote and press the **reset** tab located just above the batteries.
- This should disconnect the remote from the fire. To test this, press any buttons on the remote to ensure it does **NOT** operate the fire. If it is still operating the fire, or the fire is beeping in response to the buttons being pressed, keep pressing and holding the reset tab until it has disconnected.
- Now the remote is disconnected, you need to re-connect the remote to the fire by following the steps in 5b.36.
- If needed, repeat this until the fire connects and the remote controls all functions.

## Resetting the Thermal Cut Out

- 5b.38 The appliance is fitted with an Electronic Safety Control (E.S.). This is a safety device, which switches off the fire if, for any reason, the appliance overheats, e.g. when covered. If the heater stops operating while the flame effect continues working normally, this indicates that the E.S. Control is in operation. The E.S. Control can only be re-set after the appliance has cooled down, and the appliance has been reset. Re-setting of the E.S. Control proceeds is as follows:
- 5b.39 Switch off the appliance (Manual On/Off switch) and leave for approximately 10-15 minutes.
- 5b.40 Remove any obstruction to the fan heater outlet or fan blades etc. Make sure that the power supply is disconnected from the plug socket whilst doing this.
- 5b.41 Switch on the appliance and the E.S. Control will be re-set.
- 5b.42 Ensure that the appliance is functioning correctly. If the E.S. Control activates again, the appliance should be checked by a competent electrician.

## 6. MAINTENANCE


**WARNING: Before any maintenance or cleaning of the exterior of the fireplace, the unit should be disconnected from the power supply until it has cooled down.**

### Remote Handset Battery Replacement


To replace the battery:

1. Slide back of the remote downwards to open the remote control.
2. Correctly install 2 x AAA 1.5V standard batteries in the battery holder.
3. Place the back on the remote and slide upwards to close the remote.

6.1 When the batteries are at full power, the battery symbol will show 

6.2 When the batteries are half full, the battery symbol will show 

6.3 When the batteries are out of power and need replacing immediately, the

battery symbol will show 

- 6.4 Battery replacement is recommended after 1 year. Please replace all batteries of a set at the same time.
- 6.5 Dispose of old batteries at an appropriate recycling facility.
- 6.6 The batteries are 1.5V alkaline AAA batteries. Always purchase the right size and grade of battery most suitable for the intended use.
- 6.7 Clean the battery contacts and also those of the device prior to battery installation.
- 6.8 Ensure the batteries are installed correctly with regard to polarity (+ and -).
- 6.9 Remove batteries from equipment which is not to be used for an extended period of time.
- 6.10 Remove used batteries promptly.
- 6.11 Do not mix old and new batteries.
- 6.12 Do not mix alkaline, standard(carbon zinc), or rechargeable(nicd, nimh,etc.)batteries.
- 6.13 The supply terminals are not to be short-circuited.

### **Cleaning the Fireplace**

Cleaning or polishing products are not recommended. Fingerprints or other marks on the front glass panel can be removed by a piece of soft, damp, lint-free cloth with a good quality household glass cleaner. The front glass panel should always be completely dried with a clean, lint-free cloth or paper towel.

**CAUTION:** Abrasive cleaners should not be used on the glass panel. Liquids should not be sprayed directly onto any surface of the unit.

## 8. Others

### 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. To have this appliance processed at the end of its useful life please contact WEEECare Plc on 0844 8002004. The relevant producer number is WEE/MM3069AA.



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.

Control PCB	Remote Control Receiver	Remote Control Transmitter
Hardware: RC01-041A03 Software: 20171030	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

### Appliance Development Services Ltd

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