



GRASSMERE ELECTRIC SUITE



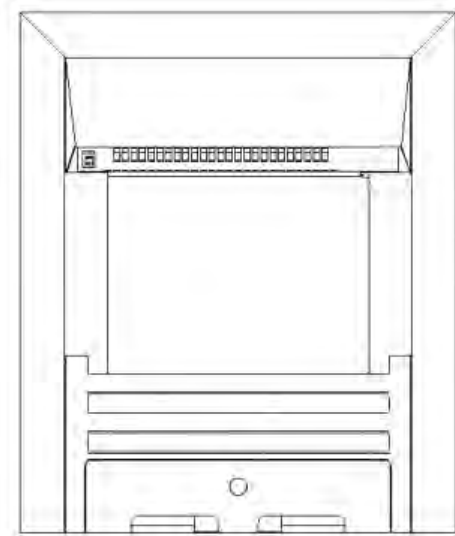
IMPORTANT INSTALLATION INSTRUCTIONS

**PLEASE READ CAREFULLY BEFORE USE
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

Inset LED Electric Fire

Model No.eco16SW

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

- 1.1 **Read these instructions carefully before using the appliance.**
- 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 The appliance must not be installed in a bath or shower room or where it or its controls can be contacted by persons with we hand
- 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 supplied through an external switching device, such as a timer, or connected to the circuit that is regularly switched on and off by utility to avoid a hazard due to the inadvertent resetting of the thermal cut out.
- 1.8 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 being 13A BS1363A approved. This appliance can also be installed via a fused spur, but the location of the fused spur or the 13amp socket must be accessible for isolation

1.9 If the power cord is damaged, it must be repaired by the manufacturer, its authorised service centre or professional person.



1.10 The meaning of figure  in marking is “DO NOT COVER”. **Warning:** to avoid overheating, do not allow the appliance to be covered or let the air inlet/outlet become obstructed. Please note the warning symbol on the appliance (see above).

1.11 To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 meter from the air outlet.

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 Keep the power plug accessible after installation

1.14 Do not use this fire in rooms that have explosive gas in them (for example petrol), or if you are using solvents, glue, aerosol spray or in flammable paints, as these may catch fire.

1.15 For young children and vulnerable persons care should be taken to avoid possible contact with the hot working areas of this appliance, fitting a suitable fireguard would meet this requirement

1.16 Do not use this appliance in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

1.17 Cleaning and user maintenance should only be carried out by responsible adults

2. TECHNICAL SPECIFICATIONS

Model No.: eco16SW

Supply Voltage: AC 220-240V 50Hz

Maximum power consumption: 2KW

Power for flame effect: 4.8W (LED 0.8W + Motor for flame 4W)

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): 12W

In standby mode (elSB): 0.48W

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

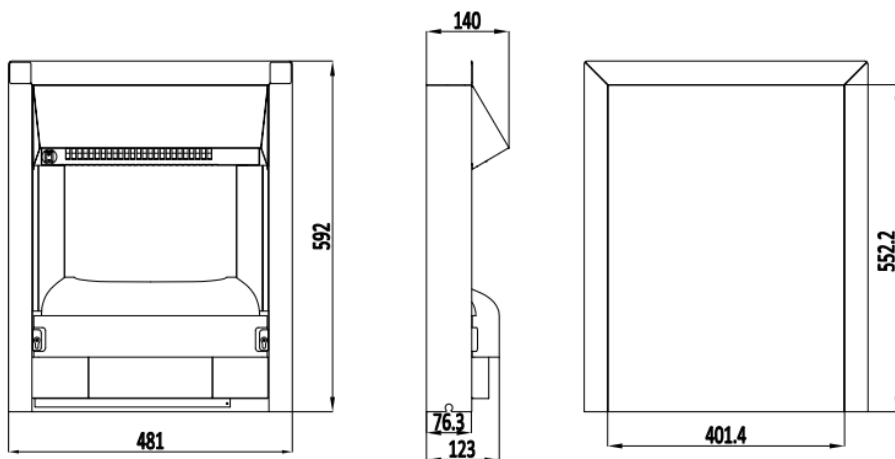
3. PARTS AND HARDWARE

- 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 service complaint with product.
- 3.4 Check that all parts are removed from the packing.

	
A	B
Manual Instruction (1)	Simplified Manual (1)

4. APPLIANCE DIMENSIONS

Unit: mm



5. INSTALLATION INSTRUCTIONS

Tools Required

A screw driver and a spirit level will be needed.

Locating the Appliance

Your new electric fire will already be fixed into a purpose made suite which can be fixed back to the wall with the brackets provided. The suite may be installed virtually anywhere in your home. However, when choosing a location ensure that the general instructions are followed.

- 5.1 If the suite is fitted in front of fireplace opening ensure the elimination of unwanted flue draughts by blocking or closing off flue to prevent it sucking air away through the appliance. Failure to do this may cause poor performance and loss of heat or make the appliance cut out.
(consult building regulation, some flue ventilation may be necessary)

- 5.2 For best results, install out of direct sunlight.
- 5.3 The appliance should be connected to an earthed electrical outlet and it must be easily accessible to allow disconnection
- 5.4 NOTE: THE APPLIANCE IS FITTED WITH AN INLET PLUG AND SOCKET UNDERNEATH THE RIGHT SIDE OF THE CASING. ALWAYS MAKE SURE THAT IT IS FULLY PUSHED AND SECURE BEFORE OPERATING THE FIRE.



- 5.5 Position or secure the suite back against the wall ensuring that the electrical supply cable reaches the required socket outlet
- 5.5 Fit the trim frame to the fire by attaching with the magnets provided.
- 5.6 Place the 'fret' or front casting in front of the fire.
- 5.8 The product is fitted with a non-rewireable plug with a 13Amp fuse. Only competent persons should attempt replacement.

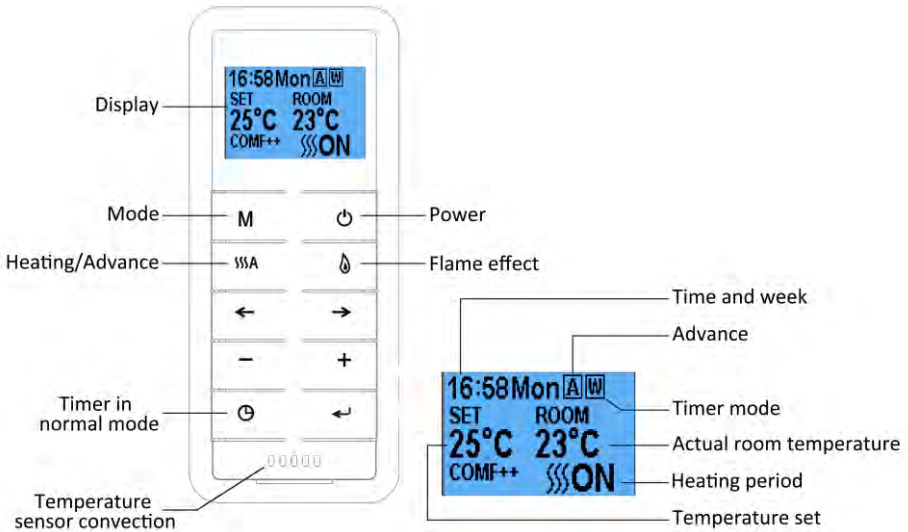
6 6. OPERATING INSTRUCTIONS

WARNING! Do not operate this appliance if it as damage or malfunctions in anyway. If you suspect the appliance is damaged or malfunctioning call a qualified service engineer to inspect the appliance, and carryout any necessary repair

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

MAKE SURE the plug fits tight in the outlet. Faulty wall outlet connections or loose plugs can cause the outlet to overheat.

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



PREPARING TO USE

NOTE: To use the side switch control the mains on/off switch must be in 'ON' position.

To prevent the product becoming too hot, there is 10s delay when turning on the heater and a 10s delay when turning off the heater fan.

Main Power Switch

5.9 The mains power switch is located on the left-hand side of the heater box on the front of the appliance.

6 Switch ON (—) before operating the side switch.

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

6a. SIDE SWITCH CONTROLS

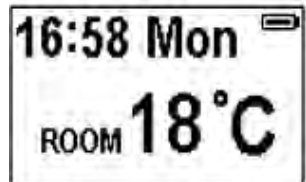
NOTE: The electronic thermostatic is built into the control unit on the righthand side of the suite. please

Standby for side switch control

- 6b.1 The screen shown to the right is when the side switch is in standby mode.





Before Day/Time set up⁺




After Day/Time set up⁺

Turn on/off

- 6b.2 Press  to turn on the flame effect, turn off flame effect and heater when in normal mode.
- 6b.3 Press  to turn on/off the flame effect under daily and weekly timer mode.

Flame Effect

- 6b.4 Press  to enter the flame effect adjustment screen.
- 6b.5 Press the '←' and '→' button to select the 3 Kinds of flame effect.
- 6b.6 Press the '+' and '-' button to select the 5 brightness of flame effect and OFF settings.



Normal Mode

6b.7 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.

6b.8 Press the '+' and '-' button to adjust the setting temperature from 17°C to 25°C by 2 intervals.

6b.9 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 10s if you have the flame ON. The heater indicator will stay ON if you use the heating function only.

Count Down Timer

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

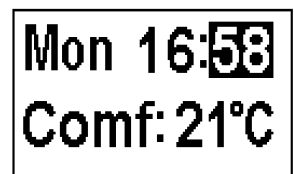
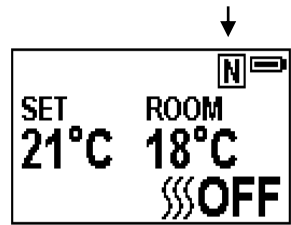
6b.10 Press **⌚** to cycle through the settings from Off and 0.5 hours to 9 hours. The timer logo and time will show on the screen.

The heater must be in ON position.

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

Set up Day, Time, Comfortable temperature and temperature unit

6b.11 Press **⏻** to turn on the side switch. Hold the button **M** for 3 seconds to enter the setting screen.



6b.12 Press the '←' and '→' button to choose Day, Time or your comfortable temperature. The character selected will be highlighted.

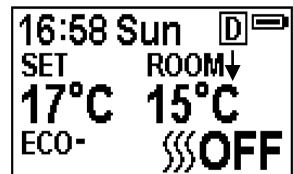
6b.13 Press the '+' and '-' button to adjust the number.

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

Daily Timer Heating

6b.14 The following are preset heating periods, which can be altered if desired

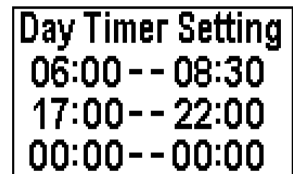
06:00 until 08:30
17:00 until 22:00



6b.15 Press **M** until **D** shows at the upper right corner of the screen, then enter the daily timer heating mode.

6b.16 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 number.
- 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.



6b.17 Adjust the set temperature

- Press the '+' or '-' button to increase or decrease the set temperature on the basis of your comfortable 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.

6b.18 To check your daily timer settings, press **←**.

6b.19 If heating needs to be turned off, it will be necessary to go back to the Normal Mode to turn off.

Week Timer Heating

6b.20 The following are preset heating periods, which can be altered if desired.

From Monday to Friday

06:00 until 08:30

17:00 until 22:00

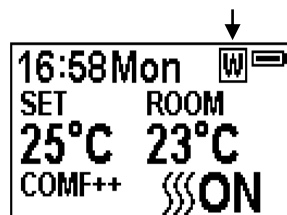
From Saturday to Sunday

06:30 until 09:30

11:00 until 13:00

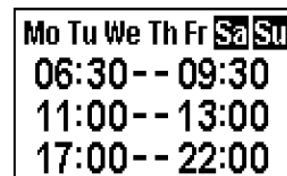
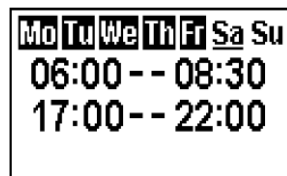
17:00 until 22:00


6b.21 Press **M** until **W** shows at the upper right corner of the screen, then enter the week timer heating mode.






6b.22 Hold **←** button for 6 seconds to enter the week timer 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 days 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 15 minutes per press.
- Press the **←** to set the heating time for the selected day(s) and return to the week line.




- Hold  3s or wait for 10s to save and exit the heating time period setting.

6b.23 Press , '' and '' to check your week Timer settings.

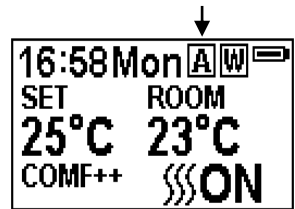
6b.24 If heating needs to be turned off, it will be necessary to go back to the Normal Control Mode to turn off.

Advance Mode

6b.25 Under the daily and week timer mode, Press  **A**:

6b.26 To turn the heater off when the heater is on during a preset heating period.

6b.27 To turn the heater on when the heater is off in between preset heating periods.



Adaptive Start Control

6b.28 According to 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

6b.29 When the transmitter detects a rapid drop in room temperature, it will be judged as a window open, then the warning icon will be displayed and the heating will be turned off automatically.



6b.30 After the indoor temperature has risen or a manual override of warning (by operating side switch) has been done, the fire will return to normal working state.

Resetting the Thermal Cut Out

- 6b.33 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 as follows:
- 6b.34 Switch off the appliance (Manual On/Off switch) and leave it off for approximately 10-15 minutes.
- 6b.35 Remove any obstruction to the fan heater outlet or fan blades etc. Make sure that the power supply is disconnected with the plug socket outlet while doing this.
- 6b.36 Switch on the appliance and the E.S. Control will be re-set.
- 6b.37 Ensure that the appliance is functioning correctly. If the E.S. Control operates again, the appliance should be checked by a competent electrician.

7. MAINTENANCE

WARNING: Before any maintenance or cleaning of the exterior of the fireplace, the unit should be disconnected from the power supply until it is cool off.

Cleaning the Fireplace

Cleaning or polishing products are not recommended. Fingerprints or other marks can be removed by a piece of soft, damp, lint-free cloth with a good quality household cleaner.

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. 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 disposal 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

478-480 Durham Way North, Aycliffe Industrial Park, Newton Aycliffe, Co.

Durham DL5 6HP

Tel: (01325) 379060 Fax (01325)309120

www.katell.co.uk

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IMPORTANT INSTALLATION INSTRUCTIONS

IMPORTANT INFORMATION ABOUT YOUR ELECTRIC FIRE

Please read these instructions carefully before operating this appliance.

- Do not use the appliance near a bath, shower or swimming pool. Make sure it can not fall into water. Never touch the appliance with wet hands.
- This product must be connected to earth.
- If you run the appliance on heat setting 2Kw with another piece of equipment running on the same circuit the appliance fuse may blow or your circuit breaker may switch off the supply. Reconnect one of the appliances to another circuit.
- A non-rewireable plug 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 being 13amp BS1363A approved.
- Do not use the appliance in rooms that have explosive gas in them (for example petrol), or if you are using solvents, glue, aerosol sprays or inflammable paints as they may catch fire.
- Make sure that children do not play with the appliance or stick objects into it.
- Do not cover or hang anything over the front or top of the appliance as overheating may result.
- Ensure the outlet grille is not obstructed in any way as this could cause the appliance to overheat and may also cause damage to the item obstructing the grille.
- The appliance is fitted with an automatic thermal cut out to reduce the risk of damage in the event of abnormal operation e.g. when covered. If the heater stops operating while the flame effect continues normally, this indicates that the cut out is in operation. It will automatically re-set when cool enough, but first remove any obstruction to the fan heater or blades. Make sure the power lead is disconnected at the mains before you do this. The thermal cut out WILL NOT RESET unless the obstruction is removed and the appliance cools. If the heater will not operate after 10 minutes disconnect and seek expert advice.
- Ensure that the plug socket connection or any fixed switched fused spur connection for the appliance is accessible. It MUST be readily accessible for easy electrical isolation in the event of servicing and replacing bulbs etc.
- If the supply cord on the appliance is damaged the appliance MUST NOT be used. A competent person must replace the power cord if required. The power cord used MUST be capable of handling 2.5Kw of power at 240v and MUST contain an earth wire.
- A suitably qualified electrician may connect the appliance to an accessible fixed fused spur.
- Bulbs with a rating in excess of 11w must not be used on this appliance.
- The fixing strap provided must be secured to the back of the suite with the washer and screw supplied, it then must be fixed to the wall using suitable fixings for your wall type.

OPERATING THE APPLIANCE

- Plug the appliance into a suitable 13A mains outlet socket and switch on.
- Switch on the right hand switch under the right hand side of the canopy (marked 0 and I) and the flame effect will start.
- When heating is required make sure that the thermostat wheel is on the high setting and next press either heat 1 (marked with red I) or heat 1 and heat 2 (marked with red II) switches under the canopy for either 1Kw or 2Kw respectively. The heat 1 switch will only provide 1Kw of heat whilst both the heat switched together will provide 2Kw of heat.
- If no heating is required make sure the heat 1 and heat 2 switches are in the off position.

APPLIANCE CARE

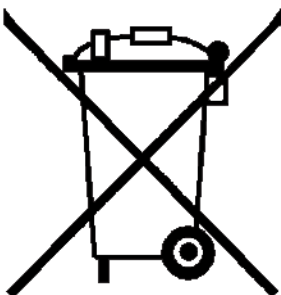
Metal: The surfaces should be cleaned with a lightly dampened cloth. Abrasive creams should not be used.

Timber: Dust with a soft, dry cloth. If necessary, polish with furniture wax. Avoid silicone based spray polishes. Note: sunlight affects timber, giving a natural deepening colour. This 'mellowing' is traditionally considered to add to the beauty of wooden furniture.

Painted MDF: Clean with a lightly dampened cloth or a non-abrasive domestic cleanser.

TROUBLE SHOOTING

PROBLEM	DIAGNOSIS	ACTION
No heater fan operation.	Suggests an electrical supply problem.	Is the appliance plugged in and switched on at the mains? Are the switches on the fire correctly set (see 'OPERATING INSTRUCTIONS' section)? Check the fuse in the plug. Replace as necessary. Check that the socket functions correctly with other appliances.
Fan heater has stopped whilst in operation.	Suggests the action of the thermostatic cut out.	Ensure the air supply and venting is not restricted. The cut out will automatically reset after being switched off and on at the mains. Allow 10 minutes to cool.



ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

YOUR APPLIANCE IS GUARANTEED FOR 12 MONTHS FROM THE DATE OF PURCHASE AGAINST ANY MANUFACTURING DEFECT. IF YOU ENCOUNTER A PROBLEM, PLEASE CONTACT CUSTOMER SERVICES.

TECHNICAL INFORMATION

Model: TF 840
Watts: 2000W
Volts: 230-240 V 50 Hz
Lamp: 2.5W
Fan Heater: 1000 OR 2000 W

Important

The wiring in this mains lead is coloured in accordance with the following code:

European Fires (CE approved)

EARTH: GREEN and YELLOW

NEUTRAL: BLUE

LIVE: BROWN

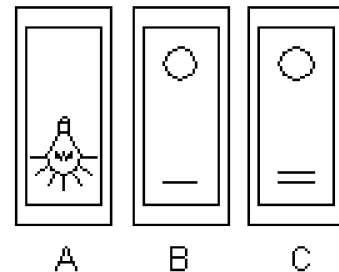
Replacement fuse must conform to British Standards and be rated at 13A.

OPERATING INSTRUCTIONS

The appliance control switches are located underneath the canopy on the left hand side of the fire. The switches will look like the diagram below. It is important to be aware that switches must be turned on in the correct sequence. 'A' must be on prior to switching on 'B' to operate at 1Kw. 'A & B' must be on prior to switching on 'C' to operate at 2Kw. Switching off 'A' will disable both 'B & C'

Heating Appliance Settings

SWITCHES	POS.	SETTING
A	OFF	OFF
A	ON	FLAME EFFECT ONLY
A + B	ON	FLAME EFFECT LOW HEAT (1Kw)
A + B + C	ON	FLAME EFFECT AND HIGH HEAT (2Kw)



Thermostat Operation

Set the thermostat wheel (pictured above right) to its highest setting. When the room gets to a comfortable temperature slowly turn the thermostat wheel down until the heater fan switches itself off. The thermostat is now set, to re-adjust repeat the same process again.

BULB MAINTAINENCE

ILLUMINATED PEBBLE BED BULB REPLACEMENT

Due to the fact that the illumination is provided by LED's there should never be a requirement to change the bulbs for the lifetime of the fire. Should you have any problems contact our customer service department on 01325 379060