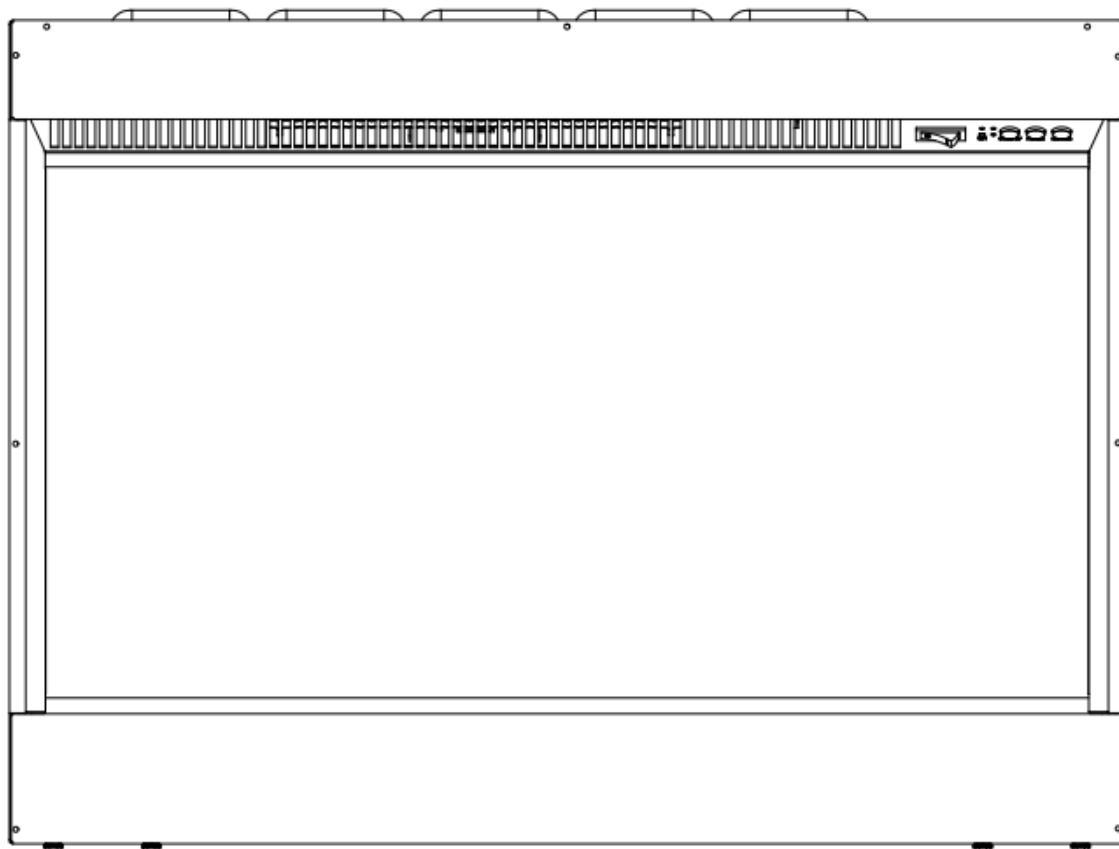


# EF471A

## ELECTRIC HEATER WITH REMOTE CONTROL



Please read the instructions carefully before installation or  
use of this electric fire and retained for future reference.

# IMPORTANT SAFETY INFORMATION!

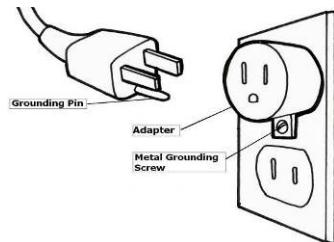
## ⚠ WARNING

- **Read all instructions before using this heater!**
- This heater is **hot when in use**. To avoid burns, **DO NOT** let bare skin touch **hot** surfaces. If provided, use handles when moving this heater. Keep **combustible materials**, such as furniture, pillows, bedding, papers, clothes, and curtains at least **3 feet (0.9m)** from the **front of the heater**, and **keep them away from the sides and rear**.
- **Extreme caution** is necessary when any heater is used by or near **children or invalids** and whenever the heater is left **operating and unattended**.
- **DO NOT** operate any heater with a **damaged cord or plug** or after the **heater malfunctions**, has been **dropped or damaged in any manner**. Discard heater, or return to authorized service facility for examination and/or repair.
- **DO NOT** run **power cord** under carpeting. **DO NOT** cover power cord with throw rugs, runners, or similar coverings. **DO NOT** route power cord under furniture or appliances. Arrange power cord **away from traffic** area, and where it will not be tripped over.
- **DO NOT insert or allow foreign objects to enter any ventilation or exhaust opening**, as this may cause **electric shock or fire, or damage the heater**.
- To prevent a possible fire, **DO NOT** block air intakes or exhaust in any manner. Doing so could cause a **fire**. **DO NOT** use on soft surfaces, like a bed, where openings may become blocked.
- A heater has **hot and arcing or sparking parts inside**. **DO NOT** use it in areas where **gasoline, paint, or flammable liquids** are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- **ALWAYS** plug heaters directly into a wall outlet/receptacle. **NEVER** use with an extension cord or relocatable power tap (outlet/power strip).
- **DO NOT** place the heater **near a bed** because objects such as pillows or blankets can fall off the bed and be ignited by the heater.
- **NEVER** use this heater in **bathrooms, laundry rooms**, or any other location where the heater could fall into a **bathtub or pool, become damp, or come in contact with water**.
- **AVOID FIRE!** Regularly inspect all air vents to make sure they are free from dust, lint, or other blockage. **Unplug the unit** and clean with a **vacuum ONLY**. **DO NOT** rinse or get wet.
- **NEVER** hang this unit on a wall **directly below an electrical outlet**.
- **NEVER** permanently install in a recessed area of the wall. This may result in **blocked air flow, overheating, or fire**.
- **ALWAYS** mount to wall bracket before use.
- **NEVER** use a wall mount bracket from another manufacturer.

**WARNING: DO NOT DEPEND ON THE ON/OFF SWITCH THE SOLE MEANS OF DISCONNECTING POWER WHEN SERVICING OR MOVING THE HEATER. ALWAYS UNPLUG THE POWER CORD.**

# ⚠️ WARNING

- **WARNING: REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK---DO NOT USE THIS HEATER WITH ANY SOLID STATE SPEED CONTROL DEVICES.**
- **For residential use only! NOT for commercial use!** Any commercial or public use of this heater **voids all warranties**, and could cause **injury**.
- This product is **not intended** to be a **primary heat source**. It is for **supplemental heat only**.
- **INDOOR use only! NEVER** use this heater **outdoors!** Doing so may result in **electric shock!**
- **Risk of electric shock! DO NOT OPEN!** No user-serviceable parts inside!
- **NEVER modify this heater.** Doing so could result in personal **injury** or property damage. Modification of this fireplace **completely voids all warranties**.
- **ALWAYS** turn this heater off before unplugging it from the outlet.
- **ALWAYS disconnect** this unit from the **power supply before** performing any assembly or cleaning, or before relocating the electric fireplace.
- **NEVER** leave this heater unattended. **ALWAYS** unplug this heater when not in use.
- **ALWAYS** store this heater in a dry location. **NEVER** use the fireplace if it has become wet.
- **ONLY** use this heater on a **120V AC 15-Amp circuit**. **NEVER overload the circuit**. If this heater trips the circuit breaker, unplug all other appliances on the same circuit before the next use. Avoid plugging other appliances into the same circuit as this heater.
- **NEVER** plug this heater into an outlet that is **old, cracked**, or has any **loose wires or connections**. Plugging this heater into a faulty outlet could result in **electric arcing** within the outlet that could cause the **outlet to overheat or catch fire**.
- **ALWAYS** check your heater cord and plug connections with **each use!**
  - a. **MAKE SURE** the plug fits tight in the outlet! Faulty wall outlet connections or loose plugs can cause the outlet to overheat.
  - b. **Heaters draw more current** than small appliances. **Overheating** may occur even if it has not occurred with the use of other appliances.
  - c. During use **check frequently** to see if the **plug outlet or faceplate is HOT!** If the outlet or faceplate is **HOT, discontinue use immediately** and have a qualified electrician inspect and/or replace the faulty outlets.
- This heater has a **polarized plug (one blade is wider than the other)**. As a safety feature to reduce the risk of electrical shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
- **SAVE THESE INSTRUCTIONS!**



## APPLIANCE DATA

Model No. EF471A

Supply Voltage AC 120V / 240V~ 60Hz

Heating Element 1400W /2800W

Amperage 11.6 A

Mains Cable 1 x 2m (approx)

Power for flame effect: 16.7W

Power for Fuel Bed: 4.7W

## PRODUCT DIMENSION

units: mm

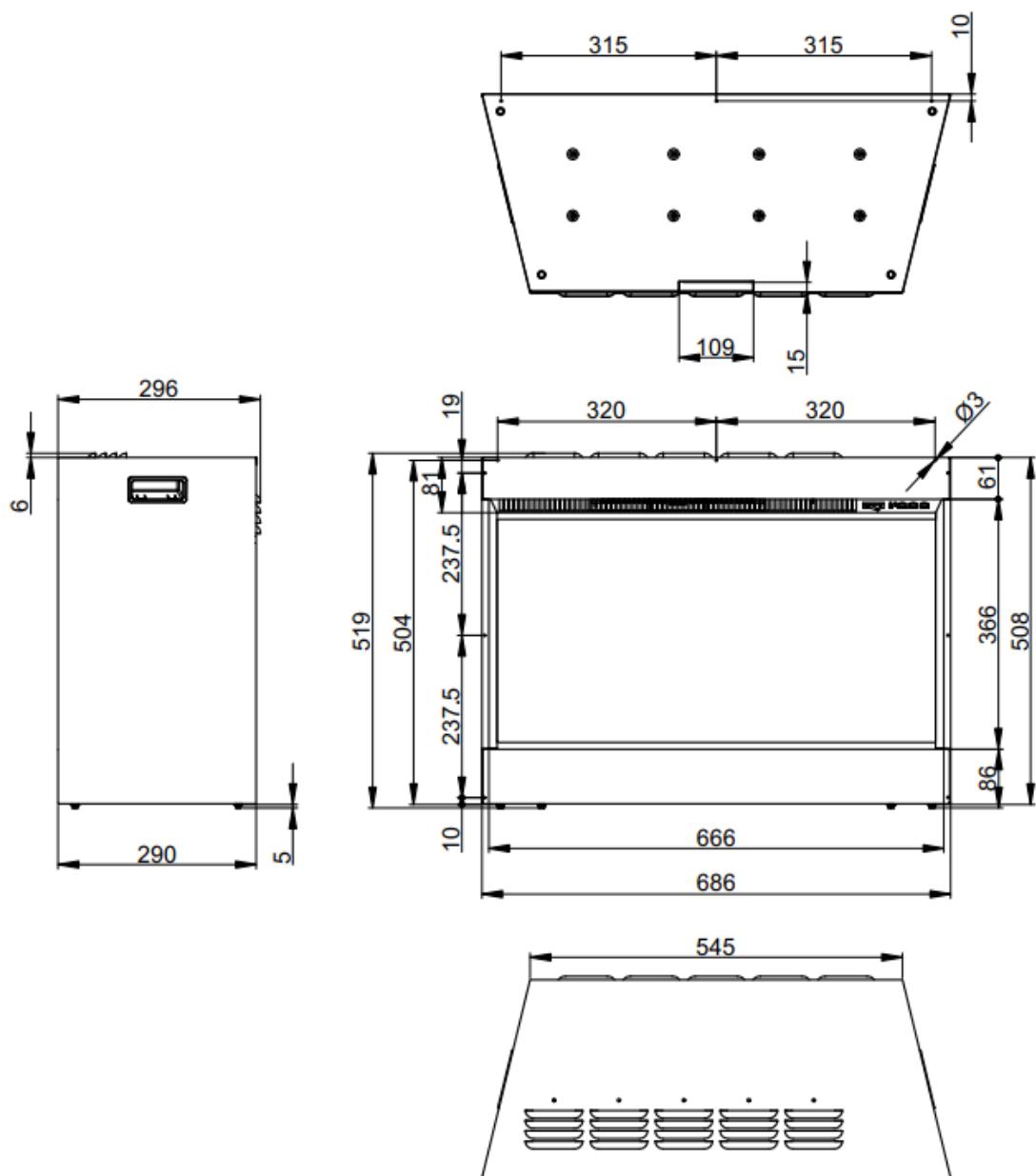
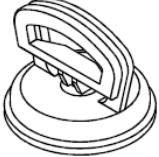
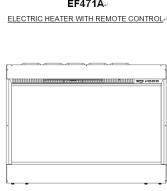


figure 1

PACKING LIST		
		
<b>Fireplace (1)</b>	<b>Remote Control (1)</b>	<b>AAA Battery (2)</b>
		
<b>Black Glasses (1 set)</b>	<b>Vermiculate (1 set)</b>	<b>Sucker (1pc)</b>
		 <b>I- Owner's Manual (1)</b> <p>EF471A ELECTRIC HEATER WITH REMOTE CONTROL</p> <p>Please read the instructions carefully before installation or use of this electric fire and retain for future reference.</p>
<b>Magnet Tool (1 set)</b>		

## INSTALLATION

### LOCATING YOUR ELECTRIC FIREPLACE

Your new electric fireplace may be installed virtually anywhere in your home. However, when choosing a location ensure that the general instructions are followed. For best results, install out of direct sunlight. Power supply service must be either completed or placed within the electric fireplace prior to finishing to avoid reconstruction.

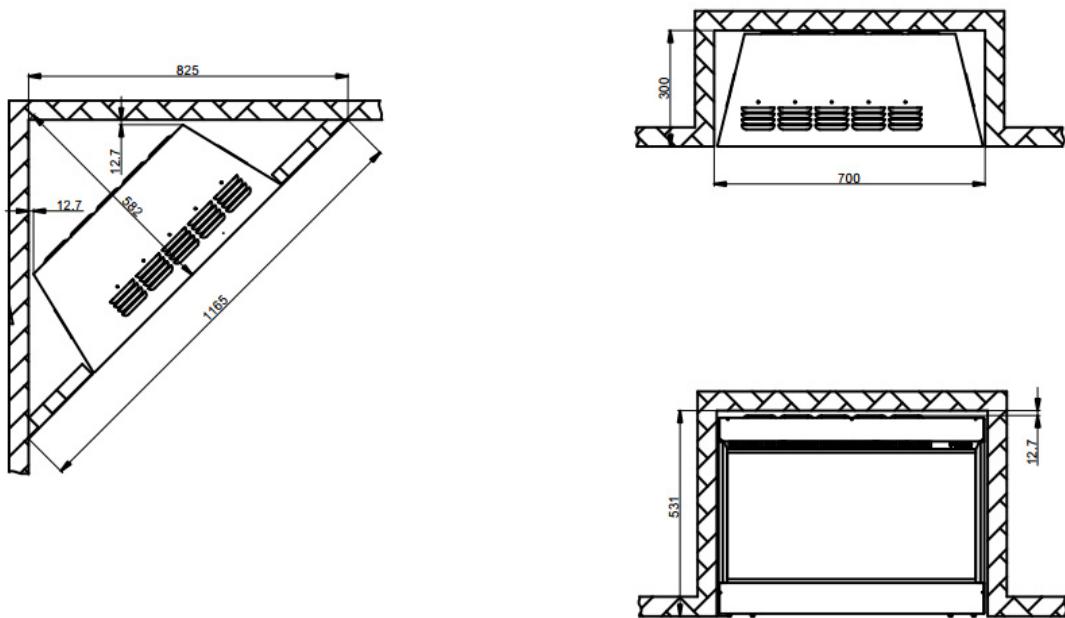
**WARNING !** Keep drapery and other furnishings at least 3ft /0.9m from the front of the electric fireplace.

### FRAMING

- Choose a fireplace location and frame as shown in figure 2.
- Position the appliance into the framework as shown in figure3
- Carefully spread the small crystal stones across the fuel bed. Then evenly arrange the larger crystal stones along the inset window ledge at the front of the firebox

**Note: Ensure that you leave adequate room to remove and replace the front screen or optional front.**

units: mm

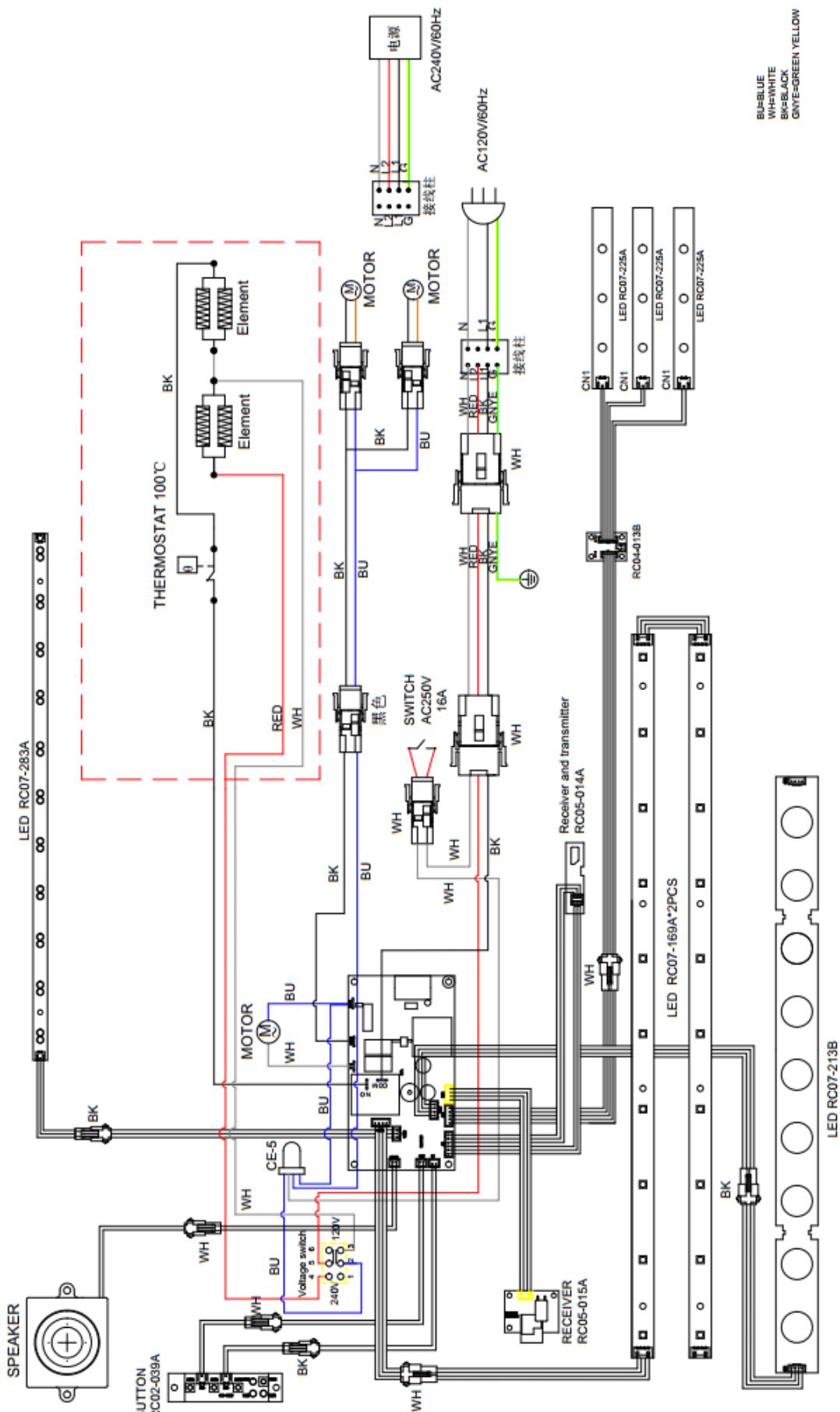


## **HARD WIRED INSTALLATION**

A 15 AMP circuit with a properly grounded outlet is required for both 120VAC and 240VAC installations. Use minimum size 14AWG Romex cable for the AC supply connection to 120 -240VAC, 60Hz, 15 AMP branch circuit. Use copper wire only.

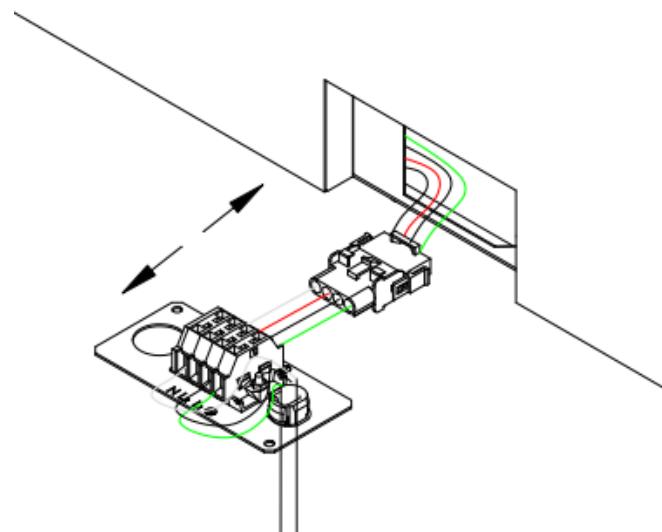
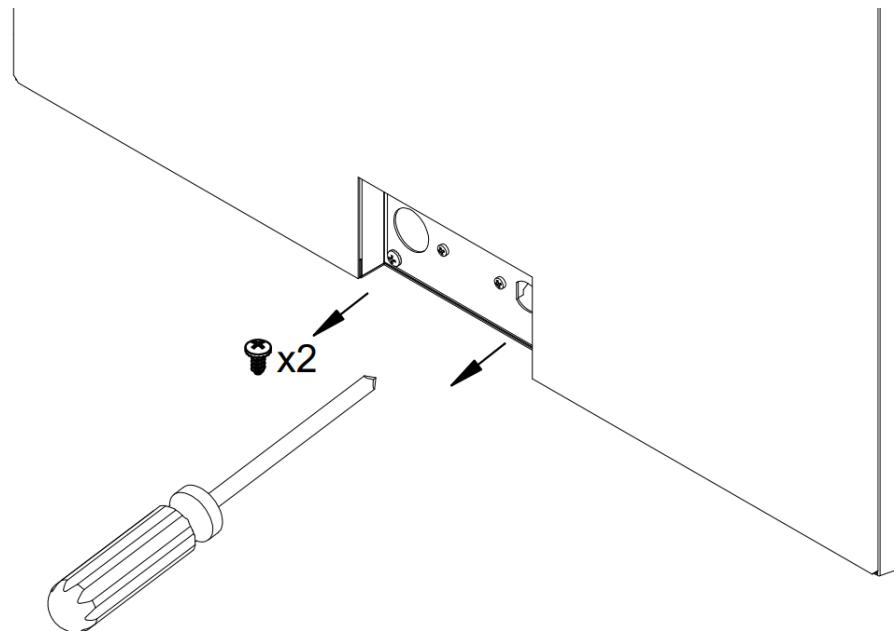
The appliance must be electrically connected and grounded in accordance with local building electrical codes.

## Electrical Wiring Diagram



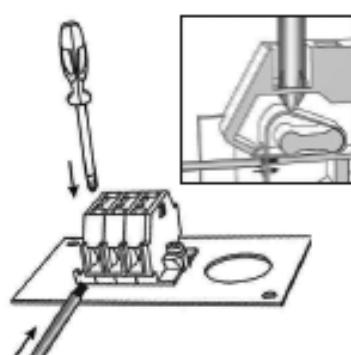
BU=BLUE  
WH=WHITE  
BK=BLACK  
GN/YE=GREEN/YELLOW

Remove the 2 screws securing the wiring plate on the right side of the appliance



Install a wire strain relief bushing into the cover plate.

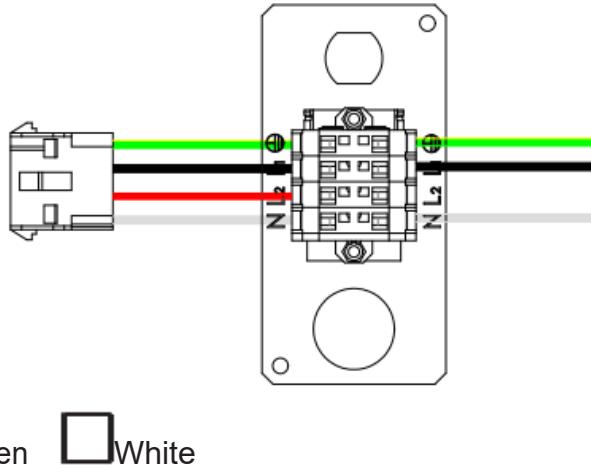
Terminate type NM-B wire to the terminal block, ensure connections are secure, and tighten the strain relief. Use a 3/32 slotted heat screwdriver, or equivalent, to depress the spring loaded terminals for the conductors.



**FOR 120VAC APPLICATIONS:**

The following instructions must be followed to install a 3-wire NM-B Romex cable to the terminal block.

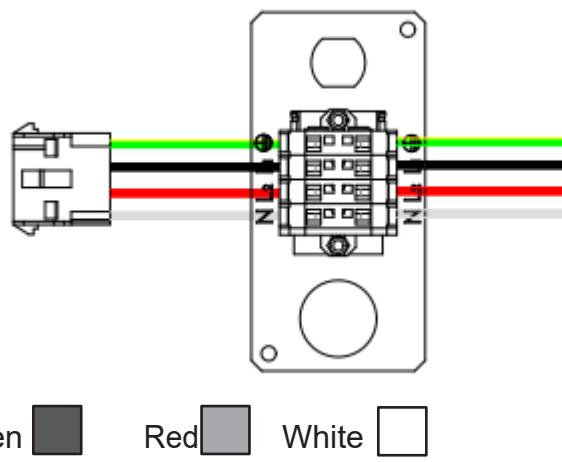
1. Connect the ground wire (green) to the ground terminal.
2. Connect the line input neutral wire (white) to the N terminal/
3. Connect the line input voltage wire (black) to the L1 terminal.
4. Make sure that no wire is connected to the L2 terminal.



#### FOR 240VAC APPLICATIONS:

The following instructions must be followed to install a 4-wire NM-B Romex cable to the terminal block.

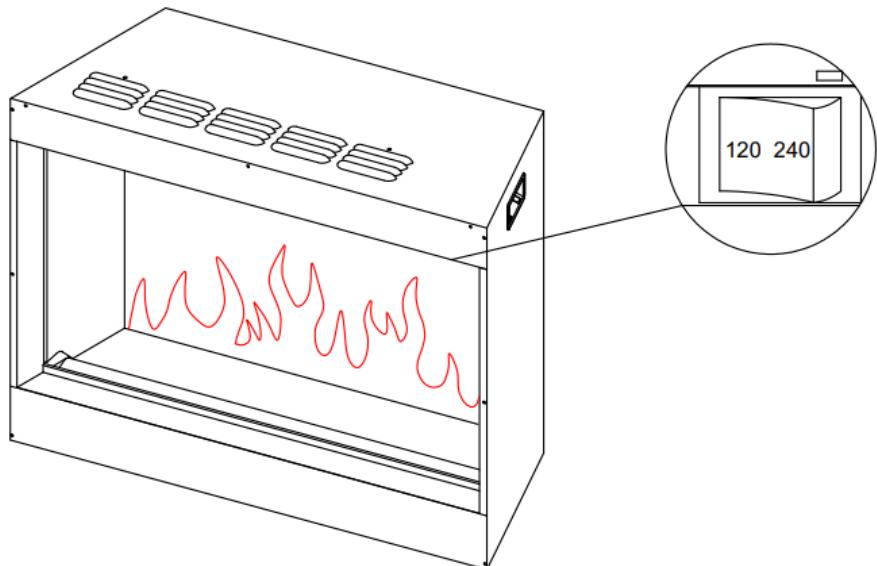
1. Connect the ground wire (green) to the ground terminal.
2. Connect the line input neutral wire (white) to the N terminal/
3. Connect the line input voltage wire (black) to the L1 terminal.
4. Connect the line input voltage wire (red) to the L2 terminal.



#### FOR ALL APPLICATIONS

Ensure all connections are right and there are no exposed wires. Tighten Romex strain relief and reattach junction box cover plate.

Inspect that the correct voltage is selected on the selector switch located inside the unit. Failure to do so could damage the product.



Replace terminal block cover plate and retaining screws.

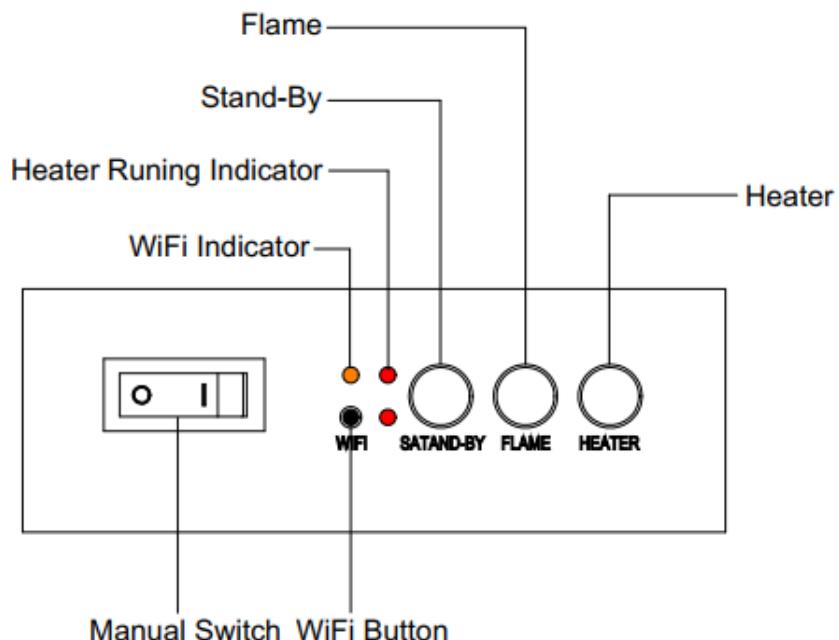
## OPERATION

This appliance can be operated by both remote control and manual button. Once the unit has been properly connected to an earthed electrical outlet, turn on the main switch. A beep should be heard when the power is first applied.

### ● Operating by Manual Button

NOTE: The manual button controls basic functions, not a full range of controls.

Use the remote hand set to carry out all functions.



### MANUAL SWITCH

Press “I” to turn on the appliance ;Press “O” to turn off it.

### STAND-BY

Press to turn on/off flame、downlight、and fuel bed effect .

## **FLAME**

Press repeatedly to cycle through 6 fire preset modes and 3 user defined presets if programmed.

## **HEATER**

Press repeatedly to cycle through low heat setting, high heat setting and no heat.

## **WiFi**

Press to turn on/off WiFi. An illuminated LED indicate that wifi is turned on. Hold button for 3 seconds to enter device pairing mode.

Each time a button is pressed on the appliance or on the remote control, an audible beep is emitted. To turn off this feature, keep pressing button FLAME for 3 seconds until you hear two beeps.

NOTE: The controls on appliance will lose the memory for all function settings when the switch is set to the Off Position.

## **To Reset the Heater**

Your heater includes a protection system that shuts off the heater if it overheats for any reason:

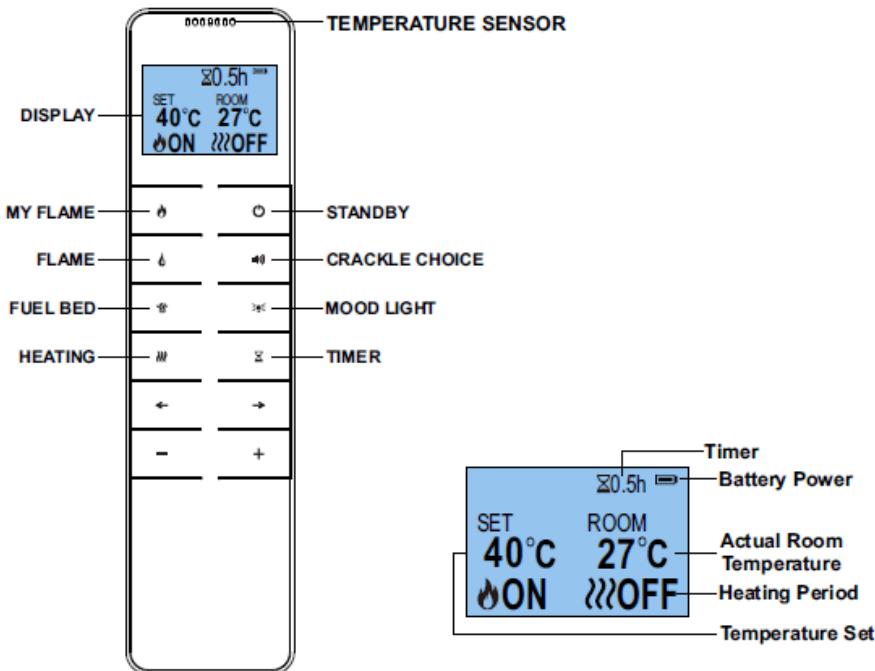
- 1) Turn unit to off.
- 2) Unplug unit wait 5 minutes.
- 3) Plug in and turn on.

### **● Operating by Remote Handset**

In order to protect the product from becoming too hot, there is an 8s delay when turning on the heater; also there is an 8s delay when turning off the heater fan.

- Make sure the battery are installed properly in the remote control.、
- The effective range of the remote control is up to 4 meters or 13 feet.

## **Multifunction Infrared Remote Handset**



NOTE: The remote control handset must be left in the same room as the appliance because it houses the thermostat that regulates heat output. Also, when using the APP, the remote must also be in same room and have batteries fitted and working to ensure accurate temperature control.

### Remote Control Set up

The communication frequency between the appliance and remote has already been set up. If you have difficulty with the remote communicating with the appliance, please press and hold button Standby on the appliance until you hear two beeps , release the button. Press Standby button on the remote handset and you will hear one beep. The remote is connected with the appliance.

### My Flame 🔥

Press to enter My Flame adjustment screen.

press '←' and '→' to select 6 My Flame mode (+3 user defined presets if programmed)

There are 3 preset slots allocated for the user to save personalised. Simply choose the flame colour and brightness level, the fuel bed colour and brightness level. Once you have selected your desired combination,

press and hold the My flame button for 3 seconds until the LCD displays My Flame

save to 7Press '−' or ' +' buttons to select a slot number between 7-9. Press and hold the My flame button for 3 seconds to confirm the preset.

### Flame Effect 🔥

Press to enter the flame effect adjustment screen.

Press the '←' and '→' button to select 3 different flame colours and off setting.

Press the ' − ' and ' +' button to select 5 levels of brightness

### Fuel Bed ⚡

Press to enter the fuel bed adjustment screen.

Press the ' ← ' and ' → ' button to select 9 different fuel bed colours and OFF setting.(the ninth is the color cycle mode)

Press the ' − ' and ' +' button to select the 5 levels of brightness.

### Mood Light 🌈

NOTE: the appliance isn't fitted with mood light cable, the button is ineffective

### Crackle Choice 💫

Press to open sound effect menu

Press '←' and ' → ' button to select 2 sound effects and

OFF. Press ' − ' and ' +' button to adjust 5 levels of volume.

## **Heater Mode**

Press to cycle through heat output options ON -OFF-AUTO.

Press the '-' and '+' button to adjust the temperature you want the room to reach from 5°C to 40°C.

To switch between °C/°F, hold down the' ← ' or ' → ' buttons for 3 seconds.

**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.

## **Timer Mode**

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

Press to cycle through the settings from 0.5 hours to 10 hours, and then OFF.

## **Adaptive Start Control**

Learning from the previous heating cycle enables the appliance to judge the appropriate advance time to turn on the heater to ensure that the set temperature is reached 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 may for example come on at 17:30 to ensure the room is 23°C at 18:00.

## **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 a manual override of the warning (by operating remote control) has been done, the fire will return to normal working state.

## **Important Safety Information for Remote Controls**

To remove the batteries, open the back cover of the remote control to remove the batteries and replace with new one. Pay attention to the positive and negative poles.

Two AAA alkaline batteries are required for the remote control.

Exhausted batteries are to be removed from the appliance and safely disposed of.

This Non-rechargeable batteries are not to be recharged.

Different types of batteries or new and used batteries are not to be mixed. Batteries are to be inserted with the correct polarity.

If the appliance is to be stored unused for a long period, the batteries should be removed.

The supply terminals are not to be short-circuited.

## **Resetting the Thermal Cut Out**

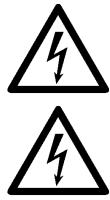
The appliance is fitted with an Electronic Safety Control (E.S.). This is a safety device, which switches off the fire if, for any reason, the appliance overheats, e.g. when covered. If the heater stops operating while the flame effect continues working normally, this indicates that the E.S. Control 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:

1. Switch off the appliance (Manual switch) and leave it off for approximately 10-15 minutes.

2. 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.
3. Switch on the appliance and the E.S. Control will be re-set.
4. Ensure that the appliance is functioning correctly. If the E.S. Control operates a, the appliance should be checked by a competent elect

## CARE AND MAINTENANCE



**ALWAYS** turn the heater **OFF** and **unplug the power cord from the outlet**

**ALWAYS** turn the heater **OFF** and **unplug the power cord from the outlet before cleaning, performing maintenance, or moving this fireplace**. Failure to do so could result in electric shock, fire, or personal injury.

### Cleaning



**NEVER** immerse in water or spray with water. Doing so could result in electric shock, fire, or personal injury.

#### **Metal:**

- Buff using a soft cloth, slightly dampened with a citrus oil-based product.
- **DO NOT** use brass polish or household cleaners as these products will damage the metal trim.

#### **Glass:**

- Use a good quality glass cleaner and dry thoroughly with a paper towel or lint-free cloth.
- **NEVER** use abrasive cleansers, liquid sprays, or any cleaner that could scratch the surface.

#### **Plastic:**

- Wipe gently with a slightly damp cloth and a mild solution of dish soap and warm water.
- **NEVER** use abrasive cleansers, liquid sprays, or any cleaner that could scratch the surface.

#### **Vents:**

- Use a vacuum or duster to remove dust and dirt from the heater and vent areas.
- Clean the exterior of the fireplace with a slightly damp cloth or duster.

## **Maintenance**



**Risk of electric shock! DO NOT OPEN! No user-serviceable parts inside!**



**ALWAYS** turn the heater **OFF** and **unplug the power cord from the outlet** before cleaning, performing maintenance, or moving this fireplace. Failure to do so could result in electric shock, fire, or personal injury.

#### **Electrical and Moving Parts:**

- The fan motors are lubricated at the factory and will not require lubrication.
- Electrical components are integrated in the fireplace and are not serviceable by the consumer.

#### **Storage:**

- Store heater in a clean dry place when not in use.

#### **Replacement parts:**

- Remote Handset Battery Replacement
- Replace with two AAA batteries. Make sure the batteries are installed correctly in

#### **Maintenance of Motors**

- The motors used on the fan and flame effect are pre-lubricated for extended bearing life and require no further lubrication. However, periodic cleaning/vacuuming of the fan/heater unit is recommended.

## **WARRANTY**

In the unlikely event of a problem occurring due to a manufacturing fault within 24 months from the date of purchase of the appliance it will be repaired or replaced free of charge.

This warranty does not cover consumable items such as the bulbs and fuses which have a limited lifespan.

If a problem should occur, the nature of the problem together with the date of a purchase should be immediately reported to the retailer that the appliance was purchased from. Proof of purchase will be required so the original invoice should be retained.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC warning:**

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.