

Cast Tec

Electraflame 3D Inset



Model No. EF16NC 3D adaptation.

Installation and Operation Instructions

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1. IMPORTANT SAFETY INFORMATION

- 1.1. **Read the 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. Do not use this appliance in the immediate surroundings of a bath, a shower or a swimming pool.
- 1.4. This fire must not be located immediately below a socket-outlet.
- 1.5. This heater must be earthed. If in any doubt consult a suitable competent person.
- 1.6. 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.
- 1.7. Keep the power plug accessible after installation.
- 1.8. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or it's service agent.



- 1.9. The meaning of figure  in marking is “DO NOT COVER”.

Warning: In order 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).

Caution: Some part of this appliance can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

- 1.10. To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 meter from the air outlet.
- 1.11. Keep the power cord away from hot surfaces and hot conditions. Do not route the power lead in front of the appliance.
- 1.12. 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.

- 1.13. Children shall not play with the appliance.
- 1.14. Children of less than 3 years should be kept away unless continuously supervised.
- 1.15. Cleaning and user maintenance shall not be made by children.
- 1.16. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.
- 1.17. Children aged from 3 years and less than 8 years only can switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and instructions and supervisions concerning the safe way of the use of the appliance are offered.
- 1.18. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- 1.19. The Fuel bed contains some small glass beads which could be harmful to children if swallowed, it is recommended that these are not used if children can access this appliance.
- 1.20. It is recommended that a fireguard should be used for the protection of children, the elderly and infirm. Fireguards should conform to BS 6539 (1984) (Fireguards for use with solid fuel appliances).
- 1.21. Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
- 1.22. 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.

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 being 13A BS1363A approved.

2. TECHNICAL SPECIFICATIONS

Model No.: EF16NC 3D adaptation

Supply Voltage: AC 220-240V 50Hz

Maximum power consumption: 1.5KW

Power for flame effect: 9.5W (LED 5.5W + Motor for flame 4W)

Heat Output:

Nominal heat output (P_{nom}): 1.5KW

Minimum heat output(indicative) (P_{min}): 0.75KW

Maximum continuous heat output (P_{max}): 1.5KW

Auxiliary Electricity Consumption:

At nominal heat output (el_{max}): 12.5W

At minimum heat output (el_{min}): 11.5W

In standby mode (el_{SB}): 0.36W

Type of heat output / room temperature control






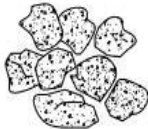



Single stage heat output and no room temperature control	No
Two or more manual stages, no room temperature control	No
With mechanic thermostat room temperature control	yes
With electronic room temperature control	No
Electronic room temperature control plus day timer	No
Electronic room temperature control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

Other Control Options

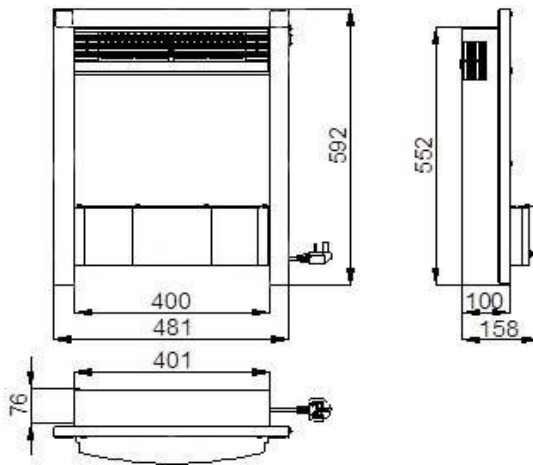
Room temperature control, with presence detection	No
Room temperature control, with open window detection	No
With distance control option	No
With adaptive start control	No
With working time limitation	No
With black bulb sensor	No

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.

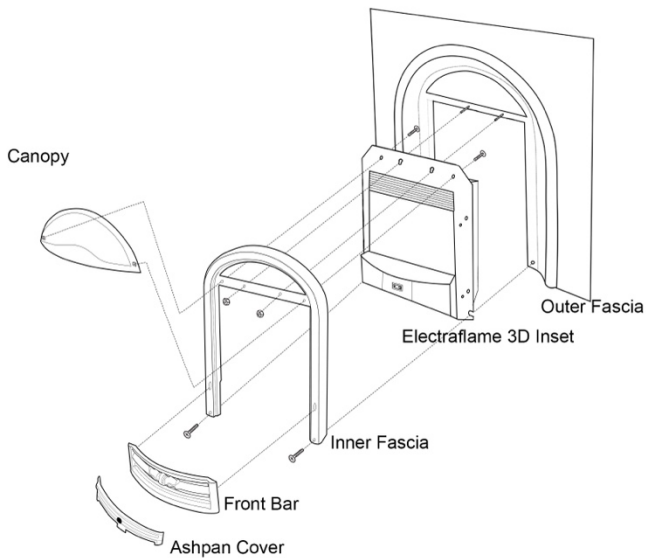
PARTS			
Name		Quantity	Image
A	Alternative Shelf	1	
B	ST 4* 10 Screws	4	
C	ø8*40 Drywall Anchors	4	
D	Logs	1 set	
E	Small clear Faux crystals	1set	
F	Washed Natural Coal	1 set	
G	Remote	1	
H	AAA Battery	2	
I	Instruction Manual	1	

4. APPLIANCE DIMENSIONS



Unit: mm

ELECTRAFLAME 3D INSET ASSEMBLY



5. INSTALLATION INSTRUCTIONS

Locating the Appliance

Your new electric fireplace may be installed virtually anywhere in your home. However, when choosing a location ensure that the general instructions are followed.

5.1 For best results, install out of direct sunlight.

5.2 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 IN AND SECURE BEFORE OPERATING THE FIRE. DAMAGE COULD OCCUR IF IT IS NOT FITTED PROPERLY.

5.3 The product is fitted with a non-rewireable plug with a 13Amp fuse. Only competent persons should attempt replacement. The wires in the mains cable of this appliance are coloured in accordance with the following code: Blue = Neutral. Brown = Live. Green/yellow = earth.

5.4 This Electric unit can be a Flat Wall Fix when fitted in conjunction with a surround with a 3" rebate, otherwise prepare the fireplace area to ensure the opening is a suitable size to accommodate the Electraflame 3D Inset. See Fig 4 Page 6.

5.5 Ensure an earthed socket outlet is available to plug the unit into, this must always be accessible to remove the plug. The unit cable length is 1.6 meter and exits the box through a grommet on the right-hand side hole of the fire base.
NOTE: The grommet MUST be correctly located in the exit slot to be used.

5.6 Build the 'Outer Fascia' cast-iron back panel against the chimney wall, bridged off the wall as required with non-combustible packing to match the chosen surround rebate, the edges of the cast-iron outer fascia can be drilled and countersunk to allow secure wall fixing, **ensure the surround hides the fixing holes!** Seal the inner edges of the "Outer Fascia" in preparation of the Electraflame 3D Inset insertion.

5.7 Ensure the chimney opening is blocked off with rockwool / fireboard, this is to prevent air suction from the flue to the rear of the appliance. Failure to do this may cause poor performance and loss of heat or make the appliance cut out.

5.8 Once the electric unit is positioned against the 'Outer Fascia' place the 'Inner Fascia' over the front flange of the appliance and connect the 4 x bolt fixings, 2 x countersunk bolts at the base and 2x M6 wing nuts behind the canopy, once these are tight ensure the electric box unit is pulled forward.

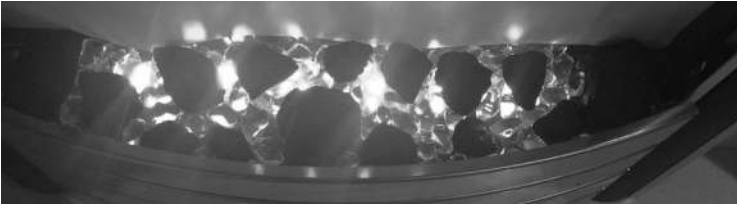
5.9 Attach fire front bar and Ash cover.

5.10 Decide upon fuel bed arrangement as instructions. See below.

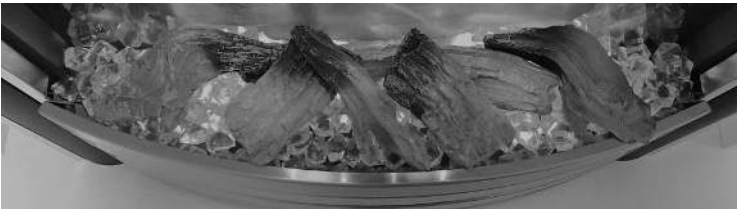
Fuel Bed Arrangement

For an attractive fuel bed arrangement its recommended that you put a layer of the small clear Faux Crystals on the fuel bed before laying the outer items of choice.

Typical Fuel Bed: Coal and Small clear Faux crystals



Typical Fuel Bed: Logs and Small clear Faux crystals



6. 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 call a qualified service engineer to inspect the appliance, and replace any part of the electrical system if necessary, before reuse.

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 remote to turn the fire off and ensure the mains switch has been moved to the off position before disconnecting.

PREPARATION BEFORE USE

6.1 The appliance can be operated by both remote control and the manual controls on the appliance.

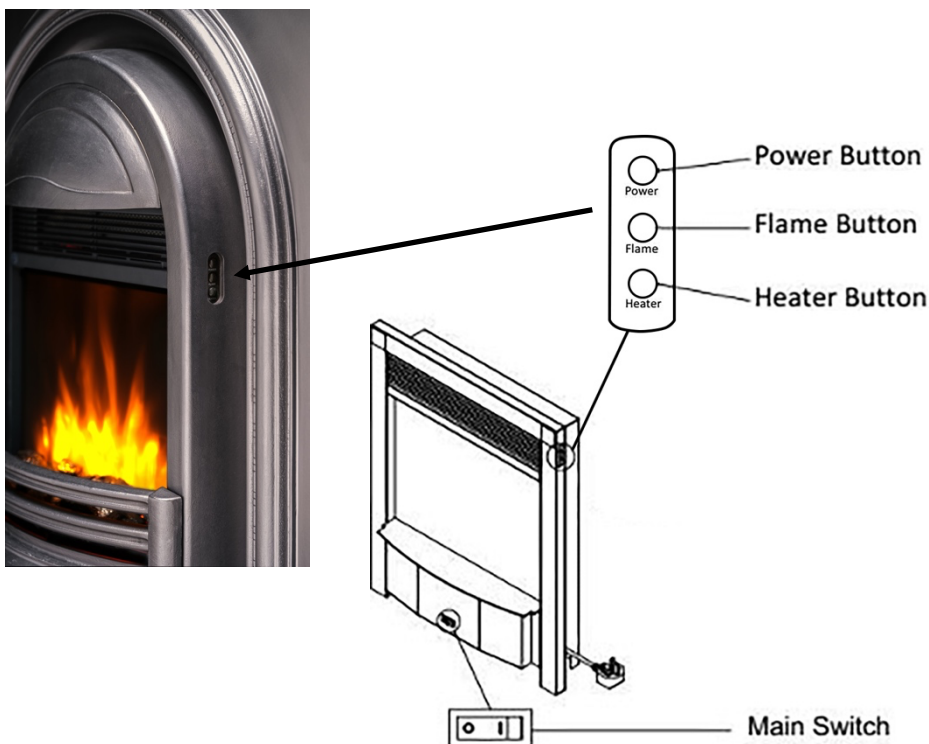
NOTE: To use both remote and manual functions the manual on/off switch must be in 'ON' position. In order to prevent the product becoming too hot, there is 10s delay when turning on the heater and a 10s delay when turning off the heater fan.

Batteries

Ensure that the handset batteries are new and inserted correctly.

NOTE: This appliance is only suitable for well insulated spaces or occasional use. please read the instructions carefully before installation or use and keep for future reference.

6a. MANUAL CONTROL PANEL



NOTE: The manual button controls basic functions, not a full range of controls. Use the remote hand set to carry out all functions.

Main switch

The main switch supplies power to all of the functions of the fireplace. This must be in the “ON” position for any of the functions including the remote to work.

Power button

Press once turns appliance and flame effects on. Press again turns appliance and flame effects& heating off.

Flame button

By pressing the FLAME button, the unit will cycle through four flame effect.

Heater button







Press once turns Fan on, and 10s later Low heat on. (Pilot lights illuminated●○)

Press again turns on High heat. (Pilot lights illuminated ●●)

Press third time turns heat off. 10s later fan off (Pilot lights illuminated ○○)

There are 3 levels you can cycle through including the OFF setting.

6b. REMOTE CONTROLS

MULTIFUNCTIONAL INFRARED REMOTE HANDSET			
	ICON	TITLE	FUNCTION
		POWER	<ul style="list-style-type: none">• Press once to turn appliance and flame effects on.• Press again to turn appliance and flame effects off.
		FLAME	<ul style="list-style-type: none">• The fire has four flame effects; by pressing the flame effect button the unit will cycle through each effect.
		HEATER	<ul style="list-style-type: none">• Press once to turn Fan on, and 10s later Low heat on. (Pilot lights illuminated ●○).• Press again to turn High heat on. (Pilot lights illuminated ●●).• Press third time to turn heat off. 10s later fan off (Pilot lights illuminated ○○).• There are 3 levels you can cycle through, including the OFF setting.
		TEMP	<ul style="list-style-type: none">• Digital display shows the TEMP setting 23°C (default), with 14 setting circles from “OFF”, “16°C” to “28°C”.• The TEMP will increase by 1°C up to 28°C when pressed each time.• By pressing the TEMP for 3S, the digital display can show between °C and °F.
		TIMER	<ul style="list-style-type: none">• Cycles from OFF, 0.5H, 1H, 2H, 3H, 4H, 5H, 6H, 7H,8H, to 9H.

Resetting the Thermal Cut Out

- 6b.1 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.2 Switch off the appliance (Manual On/Off switch) and leave it off for approximately 10-15 minutes.
- 6b.3 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.4 Switch on the appliance and the E.S. Control will be re-set.
- 6b.5 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.

Remote Handset Battery Replacement

- 7.1 Two AAA batteries are needed for the replacement. The batteries should be installed correctly in the remote control.

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. 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.

CastTec

Cast Tec Ltd. East Side, Tyne Dock, South Shields NE33 5SP.

Website: www.casttec.co.uk - Tel. 0191 4974280