

**FOCAL  
POINT  
FIRES** plc

**SUPA 400**  
**Fingerswitch**

Coal Effect Gas fire  
*with fingerswitch control*

**USER  
INSTRUCTIONS**

**All Instructions must be handed to the user for safekeeping**

Revision A 09/96

Country of destination G.B, I.E.

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CE



## Preliminary Notes For Installation

This appliance is an Inset Live Fuel Effect appliance which provides both radiant and convected warmth utilising the latest type burner and concealed heat exchanger.

The fire is designed to fit various types of fireplaces and natural draught flues as listed in the Installation Requirements.

The appliance must be installed by a competent person in accordance with the Gas Safety (Installation and Use) regulations (as amended). It is strongly recommended that a CORGI registered installer be used for this purpose.

Read all these instructions before commencing installation.

This appliance must be installed in accordance with the rules in force and used only in a sufficiently ventilated space.

The appliance is designed for installation on to a non-combustible hearth of at least 300 mm depth.

This appliance is factory set for operation on the gas type and pressure as stated on the appliance data plate.

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## 1.0 IMPORTANT NOTES

- ✚ The installation of this fire must only be carried out by a competent person and in accordance with the Gas Safety (Installation and Use) Regulations 1994 (as amended), the relevant British Standards, Codes of practice, the Building Regulations and the manufacturers installation instructions.
- ✚ Failure to comply with the above recommendations could lead to prosecution and invalidate the appliance warranty.
- ✚ Please ensure you are handed all of the manufacturers documents on completion of the installation. This will include these instructions and the installation instructions.
- ✚ Always keep a note of the installers name and address, the original purchase receipt and the date installed for future reference.
- ✚ The fire and flue should be serviced regularly to ensure continued safe operation. See section 10.0 for further details. Frequency of service will depend on use but once a year will normally be sufficient.
- ✚ Part of this appliance becomes naturally hot during use. It is recommended that a suitable fireguard conforming to BS6539 or BS6778 is used, especially where young children, the elderly and the infirm are concerned.
- ✚ Combustible items such as flooring and furniture, and soft wall coverings (such as blown vinyl or embossed paper) may discolour if fitted too close to the fire. Section 4 gives further details on clearances.
- ✚ No combustible materials or flooring should protrude onto the hearth.
- ✚ Do not use this fire as a drying appliance.
- ✚ Do not burn any foreign material on this fire.
- ✚ To ensure safe functioning of this fire, the coals on this fire must be of the correct type and laid out in accordance with section 9 of these instructions. Failure to do so could create a hazard or cause sooting.
- ✚ Before the appliance is installed the chimney should be swept. All flues should be checked by the installer to ensure there are no defects or obstructions that may prevent the unobstructed flow of combustion products.
- ✚ Vacuum cleaners may only be used on a cold fire as directed in these instructions.
- ✚ The fire is only suitable for the gas type for which it is supplied.

## 2.0. FIREFRONT

- ↺ This fire is supplied with a particular style of firefront. Use of this firefront will ensure an adequate air flow under the fire bed for the correct functioning of the appliance.
- ↺ Compliance with safety standards cannot be guaranteed if another style of front is used.

### 3.0 DATA INFORMATION

Gas Group	G20 Natural CAT I2H	G31 Propane CAT I3P
Inlet Pressure	20 mbar	37 mbar
Max Energy Input (Gross)	6.8 kW	6.2 kW
Min Energy Input (Gross)	3.5 kW	3.5 kW
Pilot Energy Input (Gross)	210 W	210 W
Setting Pressure (+/- 0.75 mbar)	15.1	36.2
Main Burner Injector	Stereo size 81	Stereo size 130
Gas Inlet Connection	8mm compression	8mm compression
Ignition	Fully electronic to pilot	Fully electronic to pilot
Spark Gap	3.5 to 4.5 mm	3.5 to 4.5 mm
Electrical supply	230V ~ 50HZ transformed to 24V A.C	
Power Consumption	15 Watts (max)	
Fuse provision	Transformer thermal cut out	

Please see data badge fixed to base of convector box for data, serial number and model information.

**This appliance is for use only with the gas type and at the pressure indicated on the appliance data badge and is for decorative purposes.**

### 4.0 CLEARANCES TO COMBUSTIBLES

- ↺ A combustible shelf may be fixed to the wall above the fire, providing that it complies with the dimensions given below :

Maximum shelf depth	Minimum distance from inside edge of frame
100mm (4in)	203mm (8in)
150mm (6in)	305mm (12in)
203mm (8in)	356mm (14in)

- ↺ A non-combustible shelf may be fitted to within 10mm of the top edge of the fire frame.
- ↺ Combustible material such as wood may be fitted to within 100mm (4in) of either side frame of the appliance, providing the forward projection does not exceed 100mm (4in).
- ↺ Any combustible side walls must be at least 500mm to the side of the radiant heat source.
- ↺ As with all heating appliances, decorations / soft furnishings and wall coverings (e.g. flock, blown vinyl and embossed paper) positioned too near the appliance may discolour or scorch.

## 5.0 VENTILATION

- ↺ No purpose provided ventilation is normally required for this appliance. The requirements of other appliances operating in the same room or space must be taken into consideration when assessing ventilation, this would normally have been done by the installer.
- ↺ If the installer has fitted additional purpose provided ventilation then an air vent of 100cm<sup>2</sup> will be fitted, communicating either directly to outside or through other rooms. **air vents should be checked periodically to ensure they are free of obstruction.**
- ↺ For Republic of Ireland, ventilation may be required, see IS813, ICP3 IS327 and any other rules in force.

## 6.0 OPERATING INSTRUCTIONS

- ↺ The control switches are located on the fireframe on the upper right hand side of the fire.
- ↺ To switch the fire ON, first ensure the plug top power module is switched ON and the gas is turned on to the fire. Set the top switch to the OFF position and the lower switch to HIGH (HI), leave it in this position for 3-5 seconds. Turn the top switch to ON, the pilot will automatically ignite and after a few seconds the main burner will light. **NOTE: During ignition the lower switch should always be set to HIGH (HI).**
- ↺ The flame height can be varied using the lower switch between HIGH (HI) and LOW (LO).
- ↺ On new installations there may be air in the system, this should be purged before lighting the fire. The small amounts of air left in the valve will quickly purge through the pilot light during ignition.
- ↺ If the pilot will not light after sparking for 10 seconds the fire will pause for 15 seconds and then make a further 10 second ignition attempt. If the fire does not light after this time then it will go into default mode until reset manually.
- ↺ To reset the fire in default mode, turn the top switch to OFF, wait 3-5 seconds and turn to the ON position.
- ↺ The fire is equipped with electronic ignition and in the unlikely event of spark failure no attempt should be made to light it using a match or taper.
- ↺ **NOTE:** During initial commissioning and purging or if the fire has not been used for some time it may be necessary to carry out the ignition sequence several times to clear all of the air from the pipes.
- ↺ When first used the fire may give off an unusual smell and the flame picture alter for the first hour. This is perfectly normal and is due to the newness of certain components and paint finishes. If this smell persists, turn off the fire and seek advice from the original installer.

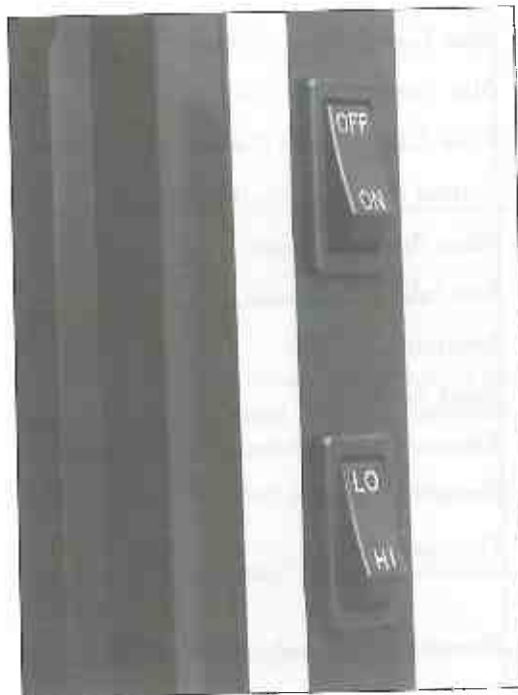


Fig. 1

### 6.1. FLAME CONTROL LEVER

- ↺ On natural gas fires there is a flame control lever behind the ash pan door that adjusts the flame colour from blue to a decorative yellow. This lever can be used to vary the flame picture as required.

## 7.0. FLUE SPILLAGE MONITORING SYSTEM

- ↪ This fire is fitted with a flue spillage safety device. If the fire shuts down during use for no apparent reason then several things can be suspected. If a door or window have been opened creating a draught then pilot disturbance should be suspected and removal of the cause of the draught should resolve this. The fire can then be relit in accordance with section 6.
- ↪ If pilot disturbance is not the cause then the ODS safety system may be operating. Switch the appliance OFF, and call in a competent person (CORGI installer) to check the flue and carry out any remedial work required. DO NOT allow the appliance to be used until it has been passed as safe.

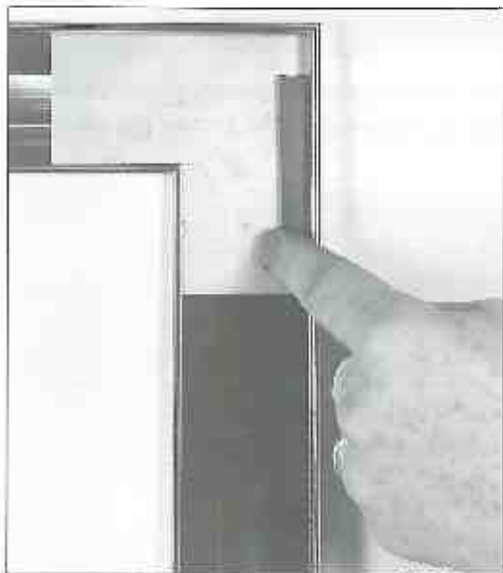


Fig. 2

## 8.0. CLEANING

- ↪ Before carrying out any of the following operations, ensure the fire is turned OFF and COLD.
- ↪ Debris that may form on the firebed should, from time to time, be removed by a competent person. Large deposits could indicate deterioration of the flue, this should be removed by a competent person, repaired where needed and the appliance serviced before further use.
- ↪ **FIREFRAME** - This is retained by 4 magnets on the inside back edges of the frame. The frame can be pulled off for cleaning if required. A wipe with a dry cloth is normally sufficient but on stubborn stains it is permissible to use a damp cloth and mild household detergent, followed by a wipe with a dry cloth. DO NOT use abrasive cleaners as these can damage the finish. To reassemble ensure the magnets are placed in accordance with figure 2 and clip back into place.
- ↪ **FIREFRONT** - Either black or brass options may have been supplied. Any dust may be removed using a vacuum cleaner or a dry cloth. Stubborn marks on black surfaces may be cleaned using a damp cloth in a similar manner to the fireframe above. Brass parts on the firefront can be cleaned using a suitable brass cleaner. Replace front centrally against fire after cleaning.
- ↪ **PAINTED AREAS** - These can be cleaned using a dry cloth.
- ↪ **COALS AND CERAMICS** - See section 9.0 for guidance.

## 9.0. CERAMIC AND COAL LAYOUT

- ↪ Do not use the fire with the coal bed components fitted in any other position than shown in this section. Do not use additional or non standard coals.
- ↪ Coals must be assembled in the correct manner, failure to do so could affect the safe performance of your fire and lead to sooting.
- ↪ Any replacement parts must be the correct type supplied by the manufacturer.
- ↪ To clean coals and matrix, first ensure the fire is switched OFF and allowed to cool
- ↪ Carefully remove the coals and place them on a dust sheet. The coals can be carefully dusted clean using a soft brush. Any split or damaged coals must be replaced .
- ↪ Remove the front coals and fuel bed components and vacuum clean using a soft brush attachment. Any badly cracked or damaged parts must be replaced.
- ↪ The burner is a sealed unit and cannot be opened.
- ↪ Re-assemble the fire bed as detailed overleaf.

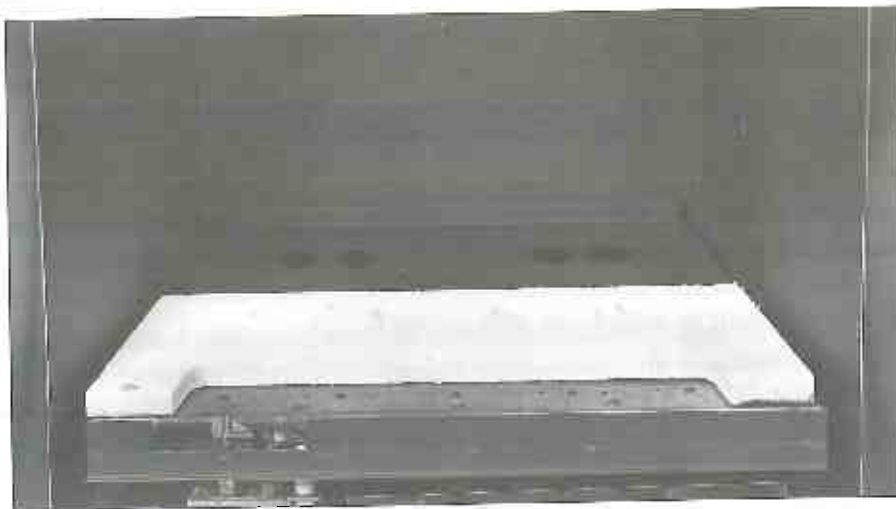


Fig. 3

- Place ceramic burner pad onto the top of the burner as shown, taking care to ensure it is centralised and pushed fully against the back locating ledge. Check that all of the holes in the burner top plate are unobscured.



Fig. 4

- Place matrix into position as shown. Slide it back to the rearmost position and centralise.



Fig. 5

- Locate the 2 front coal sections into the slot along the front of the fire tray, ensuring the coal shapes are facing forwards. The legs on the coals have a serrated front face which is intended to give a tight interference fit into the tray and at the same time chamfer away a portion of the serration.
- **DO NOT** ALTER THE SLOT IN THE TRAY FRONT, SO THAT THE COALS BECOME A LOOSE FIT.





Fig. 6

- Place the front row of 6 coals as shown onto the placement pads on the matrix and further located by the lugs on the front coal top edges.



Fig. 7

- Place the back row of 5 coals across the back of the matrix on the 5 placement pads provided.



Fig. 8

- Place the second row of 6 coals on the placement pads behind the first row of coals as shown.



Fig. 9

- ↪ Place the final row of 5 coals across the matrix on the remaining placement pads as shown.
- ↪ NOTE: Coals must not be crammed together or inserted into the holes in the matrix. A well laid generously spaced coal layout will give the best results.

### 10.0. SERVICING

- ↪ The fire and flue should be checked on a regular basis to ensure all of the products of combustion are entering the flue and that there is no excessive build up of soot.
- ↪ The frequency of service will depend on usage but once a year is normally sufficient.
- ↪ Servicing must be carried out by a competent person, such as a CORGI registered installer.
- ↪ The Installation Instructions carry full servicing details for the use of the installer.
- ↪ If debris from the flue or other foreign matter is found on the fire it may indicate a need for servicing. Do not use the fire until the source of debris has been identified and rectified.
- ↪ Air vents (when fitted) should be checked periodically to ensure they are free from obstruction.

### 11.0. LIST OF SPARES

<u>PART NO.</u>	<u>DESCRIPTION</u>
AF2S	PACK OF 22 COALS
CE/A 102	1 PAIR OF FRONT COAL SECTIONS
CE/A 120	CERAMIC MATRIX
CE/A 121	BURNER PAD
CE/A 105	BRASS EFFECT FRAME
CE/B 105	BLACK EFFECT FRAME
CE/M 105	FRAME MAGNETS x4
CE/A 110	MAINS ADAPTOR WITH LEAD