

**PLATINA : BLACK**

**DANCING FLAMES  
RADIOGRAPHIC REMOTE CONTROL**

Models: 120, 150 & 200

**THIS IS NOT A  
'DO-IT-YOURSELF' PRODUCT  
THIS APPLIANCE MUST BE INSTALLED  
BY A CORGI REGISTERED PERSON**

**INSTALLATION, SERVICING AND  
USERS INSTRUCTIONS**

THESE INSTRUCTIONS SHOULD BE RETAINED  
BY THE USER FOR FUTURE REFERENCE



THESE PRODUCTS ARE APPROVED TO THE EUROPEAN GAS DIRECTIVE

**APPLIANCE DATA (PLEASE NOTE WHERE LPG IS STATED THIS MEANS PROPANE)**

<b>MODEL NUMBER</b>	<b>GAS TYPE</b>	<b>HEAT INPUT KW</b>	<b>SUPPLY PRESSURE</b>	<b>INJECTOR SIZE</b>	<b>GAS CONNECTION</b>
120	NG	13.2	20 mbar	2.9	15mm compression
120	LPG	12.4	37 mbar	1.9	15mm compression
150	NG	14.7	20 mbar	2.9	15mm compression
150	LPG	14.8	37 mbar	2.1	15mm compression
200	NG	19.5	20 mbar	3.7	15mm compression
200	LPG	18.0	37 mbar	2.4	15mm compression

**LIST OF COMPONENTS.**

1. Dancing Flames Fire box and canopy. Gas control valve including all fittings
2. Remote control handset including batteries.
3. 4 Core fan cable (only used in conjunction with fan unit)
4. Installation and Users Instructions.

**GENERAL DISCRIPTION**

Burner Type	Inline Burner
Gas Controller unit.	Honeywell S4565DF1068B-VK4100M5000B / HO53
Receiver	
Ignition	Automatic Piezo
Power Supply	230V 50-60 Hz 1A
Weight	DF120 = 81KG DF150 = 100KG DF200 = 156KG

andyrudrum@dsl.pipex.com

**GENERAL INSTALLATION REQUIREMENTS.**

The law demands that all gas appliances are installed by a CORGI Registered installer in accordance with the current **GAS SAFETY (INSTALLATION AND USE REGULATIONS)**. The installation must comply with these installation instructions and all relevant parts of Local and National Building Standards (Scotland) (Consolidation) Regulations and those relevant recommendations of the following British Standards. This appliance is intended for decorative purposes.

BS 5871: Part 3. BS 8303 BS5440: Parts 1 and 2.  
BS 6891 BS 5482: Part 1. BS 1251

These Installation Instructions must be adhered to without exception.

## Ventilation.

**The Dancing Flames fire must have a permanent air supply directly connected to the outside, see table below for details, this air supply must be routed so that it supplies fresh air directly underneath the burner or connect straight to the bottom of the burner using the spigots attached, any ducting used to supply fresh air must be at low level. It is not adequate enough just to have a wall vent into the room containing the appliance.**

Model	cm2
120	177
150	247
200	247

## NOTE.

The Dancing Flames comes complete as a unit mounted on it's own legs, under no circumstances should the height of these legs be altered to make the fireplace opening lower, if the installation requires the Dancing Flames to be raised up then this is possible as long as it is done in a safe and secure manner. The fire should be installed so that the fireplace or builders opening within which the fire is stood is at the same height as the finished floor level within the room.

## The Hearth.

As the fireplace opening of the Dancing Flames is greater than 125mm from finished floor level there is no automatic requirement for a hearth, although we recommend when possible to fit one. Consideration should be given to some type of fire guard/screen where young children, the elderly or infirm are present.

## Flue.

A flue should be constructed of the appropriate size, **see table below**, the flue has to be in an excellent state, regularly cleaned and formed using appropriately approved materials, insulated to prevent condensation.

**See table below for the minimum height requirement**, on the **120** and **150** two 45 degree bends may be used on the flue as long as there is a 4MTR unbroken vertical section somewhere on the flue run. The flue on the DF 200 must be vertical from the fire and not feature any bends.

No restrictor plate or flue damper is permitted.

MODEL	FLUE SIZE	MIN. HEIGHT
DF 120	200mm	4 MTRS
DF 150	200mm	4 MTRS
DF 150 LPG	250mm	4 MTRS
DF 200	250mm	6 MTRS

**If the flue does not meet the height requirements or has a change in direction, other than as detailed above, it will be necessary to provide an EXHAUSTO chimney fan system (see page 5).**

In these cases a protected chimney fan has to be mounted, having sufficient capacity in accordance with the length of the flue duct and in accordance with the firebox opening of the appliance and the gas technical power of the appliance.

An Exhausto appraisal form should be completed and faxed to them, Exhausto's recommendations regarding fan type and controls should be followed. The appraisal form can either be down loaded from [www.exhausto.com](http://www.exhausto.com) or fax to you on request from Exhausto.

Exhausto's contact numbers are Tel: 01494 465166 FAX: 01494 465163

Exhausto chimney fans can be directly connected to the remote control of the appliance, see assembly instructions for details.

### **Assembly Instructions.**

The Dancing Flames will come to you as a complete unit and only requires the canopy to be bolted in place, please note the damper in the canopy has been welded in a fixed position to comply with current CORGI regulations.

When fitting in to a fireplace opening or false wall a 50mm gap around the back and sides of the box should be maintained for expansion, please note however this gap must be filled with rockwall or similar insulation material to prevent the convection of the fresh air supply up the back of the fire box.

The fireplace opening into which the fire will be mounted must be made of a non-combustible material and have such dimensions that expansion of the steel fire box is allowed for.

### **Gas and electric connection.**

The gas supply should be routed to the Fire using suitably sized copper pipe taking in to account length of pipe run, consumption of gas used by the appliance and other appliances within the building. A gas control/shutoff valve should be incorporated within this pipe work, close to the Fire Box, allowing for the appliance to be isolated for service or maintenance work to be safely carried out.

The Dancing Flames is supplied ready to connect to the gas supply.

- connect the gas supply to the gas control unit using either ½" G or 15 mm compression fitting.
- test gas-tightness of the system by means of an approved leakage testing spray.
- connect the mains lead to a suitable 3amp fused spur socket and check its operation (if a European type plug is fitted remove this first)
- remove the battery protective strip from the hand held remote control, check that the battery is still correctly positioned between the two contacts.

### **Additional Instructions For Exhausto Fan System (IF REQUIRED)**

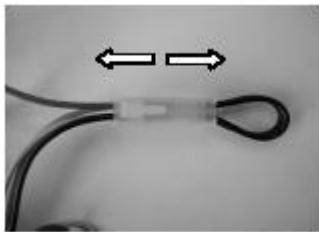
Additional components. These must be ordered from Exhausto, Verine Ltd. do not supply these components.

EFC 21 control unit  
RSVG chimney fan ( as specified by EHAUSTO)

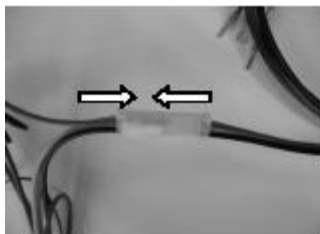
**NOTE:** Make sure the mains electricity supply is isolated from the fire before carrying out installation of the fan unit.

A 220-240v 3amp fused spur will be necessary to power the EFC21, wire this unit according to Exhausto's instructions.

Remove the dummy plug from the main fire loom ready for the connection of the fan lead (see below).



Take the short 4 core fan lead supplied with the fire and plug it into the socket where the dummy plug has just been removed from (see below).



Electrical connection to the control unit EFC 21 should be done as follows using the loose ends of this cable (see below).

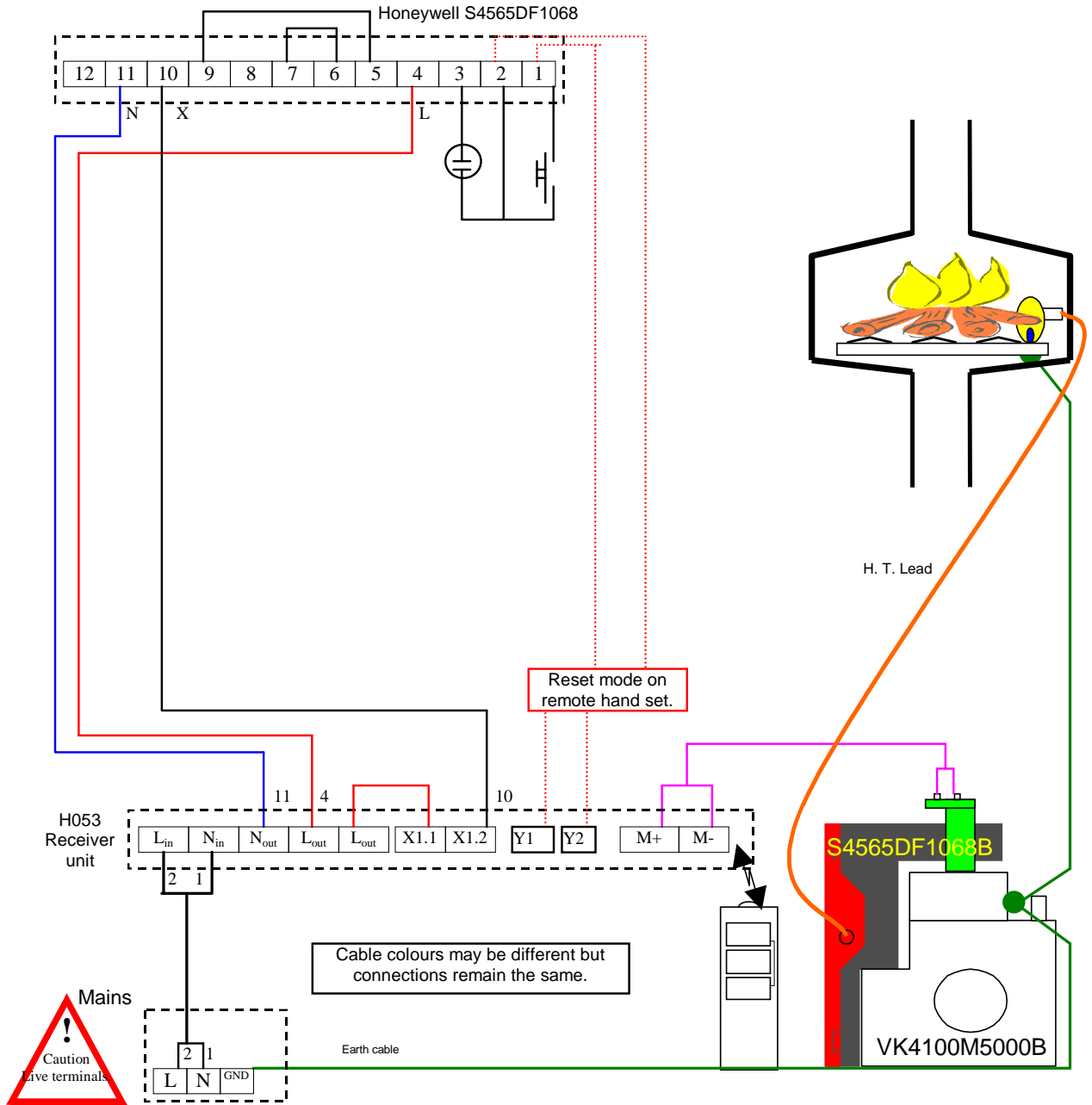


Yellow cable connects to terminal 12  
Red cable connects to terminal 13  
Orange cable connects to terminal 8  
Black cable connects to terminal 9

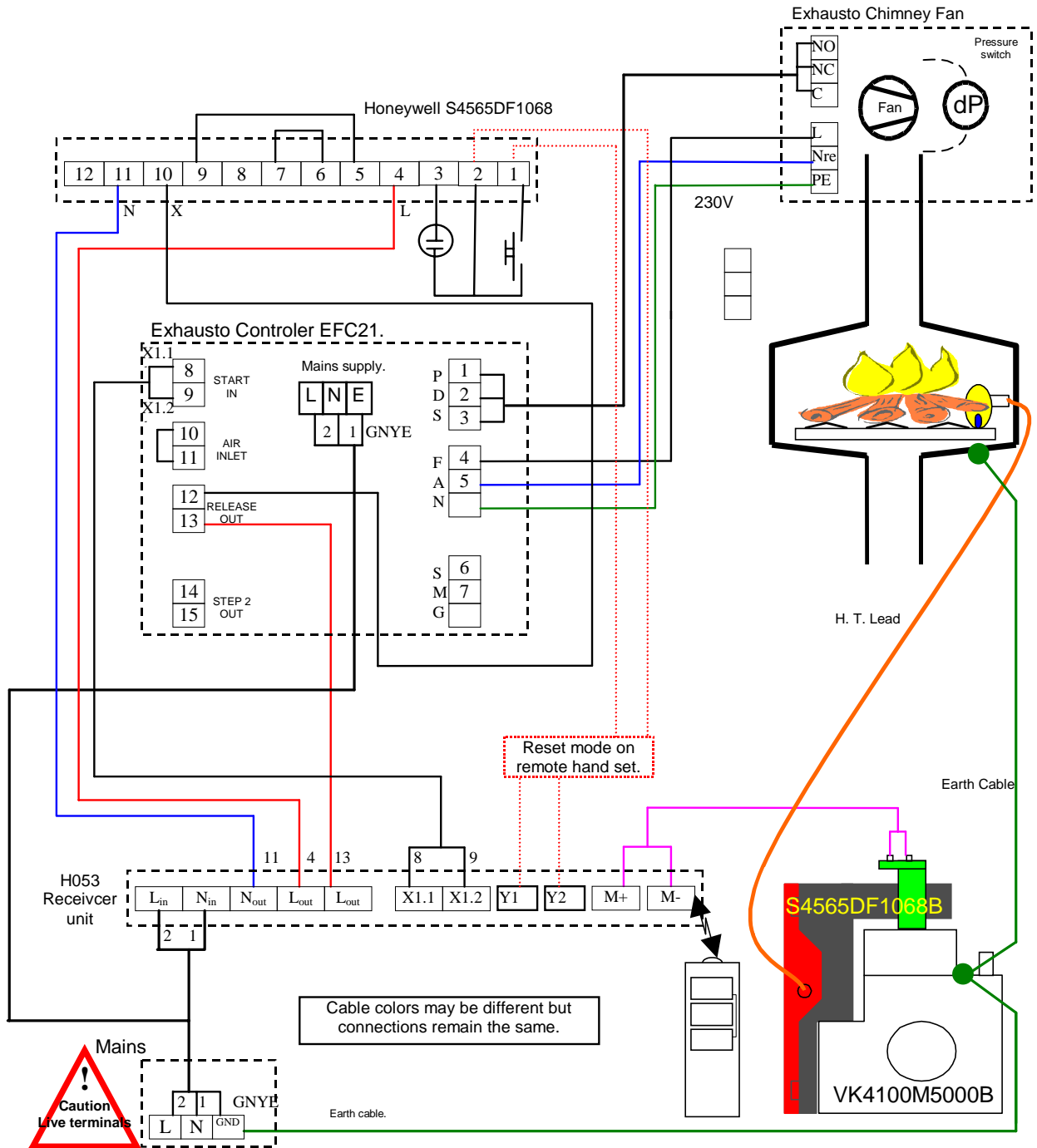
Further connections from the EFC 21 control box to the fan unit using a 6 core cable should be carried out following Exhausto's installation.

**NOTE: This cable will have to be local sourced and being of suitable length required for the installation.**

**It is vitally important that all connections and polarity are correct, failure to do so will result in serious damage to electronic components.**  
**Electrical connections on Dancing Flames gas control unit.**



**Exhausto fan unit connections using the EFC 21 controller.**



**Gas Soundness Check.**

With the gas supply connected, all joints should be checked for gas soundness in accordance with BS 6891.

## **Initial Lighting.**

**NOTE:** First check the manual shut off lever is in the on position, the lever is not used in the UK, it is located centrally on the controls underneath the front access flap, lift the lever up then pull out the locking bracket which slides out from under the front rail, lower the lever so it lays on the flap, this prevents it being pushed down and cutting off the gas supply.

Ensure the main gas supply and fused spur are switched on, (on very long runs of pipe work it may be necessary to purge before attempting to light the appliance) push the *on* and *off* buttons on the remote handset simultaneously, the ignition will start to spark after a few seconds.

As soon as the gas pipe and control unit are full of gas the pilot will light followed by the main burner.

If, when the buttons on the handset are pushed, no signal is received by the HO53 black receiver unit it may be necessary to re-set the receiver unit and hand set on the same frequency. To do this follow the procedure below

- push the black button on the front, top left hand corner of the black HO53 receiver unit
- while holding this button in, push the upper button on the remote hand set
- the unit should now be re-set

If no pilot light appears and the sparking continues check the gas supply is switched on.

If after 30 seconds the pilot has not lit the control unit will automatically *lock out*, lift the burner access panel, a red light will be visible on the top of the unit, push the RESET button next to it, the light will now go out, close the access panel, wait 20 seconds the repeat the lighting procedure above.

**Important additional information on problem solving and set up procedures can be found in the Fault Finding paragraph.**

## **Checking For Spillage:**

Before briefing the customer on how to use the appliance, a spillage test must be carried out on the appliance. The following procedure must be followed.

Close all doors and windows in the room or space containing the appliance.

Light the appliance and burn at maximum for 10 minutes.

Light a smoke match and pass completely along the inside of the top front edge of the firebox opening 25mm down and 75mm in from the opening. A visual check should ascertain that all smoke generated is drawn up and into the canopy.

## **Briefing The User.**

Demonstrate the full operation of the appliance.

Inform the User that all cleaning procedures should be carried out **ONLY** when the appliance is cold.

Leave these Instructions with the User.

Advise the importance of having the appliance serviced and the chimney checked for clearance of combustion products on an annual basis.

## **CAUTION**

**Electrical components fitted on the appliance may on no account be opened.** Moreover **cutting or changing the length** of mains cables is not permitted. Please note that violation of these instructions will cancel any guarantee.

## **Service And Maintenance.**

The installed appliance as well as the flue have to be inspected once a year by a CORGI registered fitter. Inspection and cleaning of the following should be completed

1. Cleaning of burner and oxy pilot.
2. Inspection of gas pipes and flue.
3. Inspection of gas control and protection devices.
4. Inspection of combustion air supply.
5. Inspection and cleaning of fan extraction unit (if fitted).
6. Cleaning of the Dancing Flames fire box should only be carried out using a soft damp cloth.

## **Fault Finding**

In case of a failure, the appliance may extinguish. Always check these points before assuming the unit is faulty.

- battery in remote hand set.
- fuse in fused spur, plug or circuit breaker.
- gas supply control valve/isolator is open or insufficient gas pressure.
- on LPG installations check bottles, regulators and change over valve if fitted.
- air intake blocked or flue blocked.
- If, when the buttons on the handset are pushed, no signal is received by the H)53 black receiver unit it may be necessary to re-set the receiver unit and hand set on the same frequency. To do this follow the procedure below

- push the black button on the front, top left hand corner of the black HO53 receiver unit
- while holding this button in, push the upper button on the remote hand set
- the unit should now be re-set
- burner control unit is in safety lock position.
- If after 30 seconds the pilot has not lit for any reason the control unit will automatically *lock out*, lift the burner access panel, a red light will be visible on the top of the unit, push the RESET button next to it, the light will now go out, close the access panel, wait 20 seconds the repeat the lighting procedure above.
- It is vital for the correct operation of the unit that the earthing points on the bottom of the pilot assembly, gas control valve and in the plug or socket are connected and tight, failure to do so will stop the pilot from establishing correctly.
- In certain circumstances it may be necessary to change the polarity of the feed to the PCB on the HO53 receiver unit, if the ignition sparks, pilot lights but fails to establish correctly follow this procedure.
- disconnect and swap over the cables connected to *Lin* and *Nin* on the front of the HO53 receiver unit PCB , **do not change any other cable.**
- now try the starting procedure again.

### **GUARANTEE.**

1. The appliance is guaranteed for one year from the date of purchase.
2. This guarantee is given subject to the following provisions:-
  - a) The installation is carried out by a CORGI registered person.
  - b) That the fireplace conforms to the requirements given in the Installation Instructions for this appliance.
  - c) That our instructions covering cleaning and handling are adhered to. This guarantee does not cover mishandling.
  - d) That the guarantee card supplied with every purchase is returned to us for registration within four weeks of the date of purchase with the details correctly filled in.
  - e) That any part or parts on which a claim is made are returned to us postage paid for inspection.
  - f) That our liability is limited to free replacement of the parts affected.

- g) The guarantee does not cover (1) Normal wear and tear. (2) Possible discolouration of polished parts. (3) Replacement of batteries.
- h) The remote battery pack, if fitted, is guaranteed against faults but battery life is not guaranteed as this is dependant on usage, the battery is also not guaranteed if it is damaged due to heat if the instructions on placement are not followed

**OPERATING INSTRUCTION.**

**Never leave the fire unattended**

**Lighting the fire.**

The remote control hand set has a two-button control for lighting the fire. Push the upper and lower buttons simultaneously. You will hear a clicking noise, after which the ignition will automatically start sparking, the pilot will ignite and then the main burner will cross light on to high, the flame height can be adjusted using the upper and middle buttons on the remote control hand set.

In order to extinguish the fire, push the lower button.

**IMPORTANT: ATMOSPHERIC PROTECTION.**

Should the appliance extinguish without you having switched it off, the atmospheric or ionisation protection may have tripped. The burner control unit will go into a locked safety position. After cooling, open the front burner plate in the appliance and push the RESET-button (next to the red LED on the red burner control unit) to reset. After 20 seconds you may re light the fire. Should these problems persist, possible causes may be:

- a. Flue is blocked.
- b. Insufficient combustion air supply.
- c. Fan extraction unit failure (where fitted)
- d. Battery flat in remote hand set.
- e. Fuse in plug, fused spur or circuit breaker.
- f. No gas or lack of gas pressure, on LPG check bottles, regulator and change over valve if fitted.

Please contact your installer if problems persist.

Cleaning of the Dancing Flames fire box should only be carried out using a soft damp cloth.

**It is not permitted to put inflammable materials, e.g. wood or paper on the burner. Imitation logs or coals are not permitted.**

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**THIS BOOKLET CONTAINS 12 PAGES**

DF/11.03/II/UI