



Leave these Instructions with the User or with the appliance

## “B” SERIES WARM AIR HEATERS Users Instructions

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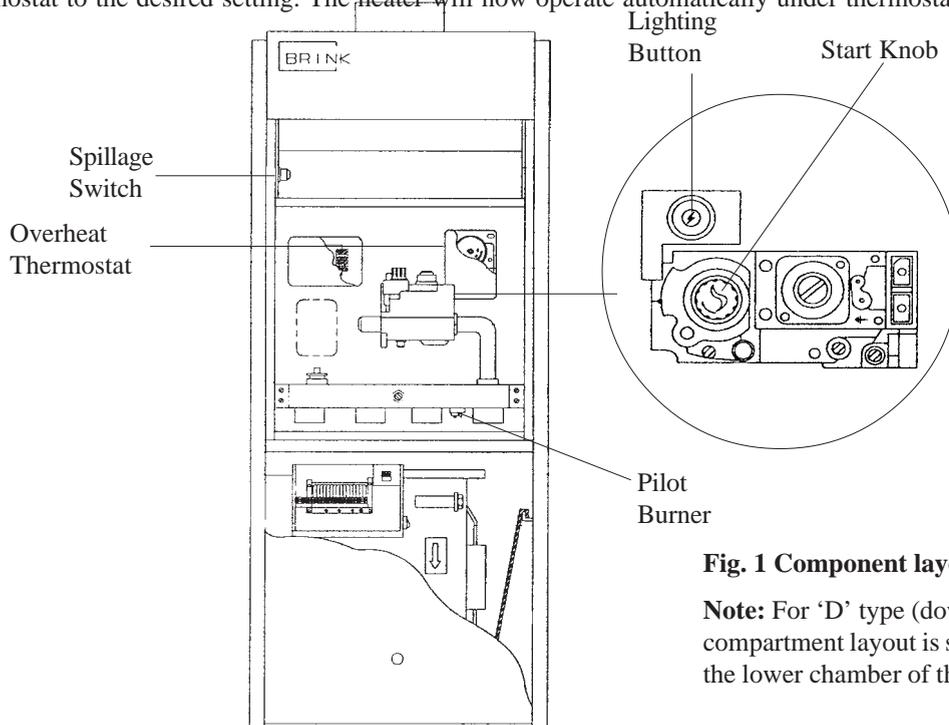
**WARNING: THIS APPLIANCE MUST BE EARTHED**

### 1. GENERAL INFORMATION

- 1.1 The colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals of your plug.  
The **GREEN/YELLOW** wire must be connected to the terminal marked **E**, or Earth symbol shown as  $\perp$ , or coloured **GREEN** or **GREEN/YELLOW**.  
The **BLUE** wire must be connected to the terminal marked **N**, or coloured **BLUE** or **BLACK**.  
The **BROWN** wire must be connected to the terminal marked **L**, or coloured **RED** or **BROWN**.
- 1.2 **Statute law defines that all gas appliances are installed and maintained by a competent person in accordance with the Gas Safety (Instruction and Use) Regulations, (current edition).**
- 1.3 **WARNING:** If the pilot burner is extinguished, either intentionally or unintentionally, no attempt must be made to relight the gas until at least 3 minutes have elapsed.
- 1.4 **BEFORE LIGHTING YOUR HEATER:** Open warm air outlets in all rooms, ensure that any taps in the gas supply to the heater are turned on, the Room Thermostat is at minimum setting or OFF, and the electrical supply to the heater is OFF.

### 2. TO LIGHT YOUR HEATER

- 2.1 Remove the front panel of the heater (the one without a handle) by pulling it forward at the bottom edge and lifting it clear.
- 2.2 Identify the positions of the gas control START knob, the LIGHTING button (marked with a ‘spark’ symbol) and the pilot burner from Fig. 1.
- 2.3 Push the START knob **in fully and hold** (this allows gas to be supplied to the pilot burner), then repeatedly press and release the LIGHTING button until the pilot burner lights. Hold the START knob in for a further 20 seconds, and then release; the pilot burner should now remain alight. **If the pilot burner fails to remain alight**, turn the START knob clockwise (in the direction of the arrow) and wait 3 minutes before repeating the lighting procedure, holding the START knob in for a little longer than previous. If the pilot burner will not stay alight, consult your heating installer.
- 2.4 With the pilot burner alight, replace the front panel of the heater.
- 2.5 Switch on the mains electrical supply to the heater, set the time control (if supplied) to an ON position, and set the Room Thermostat to the desired setting. The heater will now operate automatically under thermostatic control.



**Fig. 1 Component layout (upflow model)**

**Note:** For ‘D’ type (downflow) models, the compartment layout is similar, but situated in the lower chamber of the air heater.

- 3.1 **For short periods**, (such as weekends): Set the Room Thermostat to the OFF position or minimum setting. This stops the main burner from lighting, but will leave the pilot burner alight.  
When you want the heating on again, reset the Room Thermostat to the desired setting.
- 3.2 **For longer periods**, (summer shut down etc.): Turn the gas control START knob clockwise approximately  $\frac{1}{4}$  turn (in the direction of the arrow) and turn OFF the electrical supply to the heater.

**WARNING: Do not turn off the electrical supply when the main burner is alight, or damage to the heater may result.**

- 3.3 If summer air circulation is required, the electrical supply to the appliance must remain ON (see Section 7).
- 3.4 If at any time the gas control START knob is turned and the pilot burner goes out, a built in safety latch will prevent the pilot burner from being relit until approximately 1 minute has elapsed. If the pilot burner goes out, a flame failure device in the burner and gas control shuts off the gas supply. Carry out the lighting procedure as detailed in section 2.

#### **4 TEMPERATURE CONTROL**

- 4.1 The room thermostat lets you select the room temperature you require. When the temperature of the air surrounding the thermostat reaches the selected temperature, the thermostat will switch the heater off. It will then automatically switch the heater on and off several times an hour to maintain the room temperature.

**Careful use of the Room Thermostat saves energy and therefore money.**

#### **5. CONTROL OF YOUR HEATING SYSTEM**

- 5.1 You can control the heat to each room by opening and closing warm air outlets, but never close more than half of them at any one time, or the performance of the heating system will be affected.
- 5.2 Warm air outlets in the room where the Room Thermostat is sited should always be open to ensure that the heating system is properly controlled.
- 5.3 During average winter weather, warm outlets in rooms not having a Room Thermostat should be opened only as much as is necessary to bring the room temperature to a comfortable level.
- 5.4 In prolonged severe weather, it is better, overnight, to set the air heater time control (if fitted) to ON ALL TIME, and reduce the setting of the Room Thermostat to provide a general background heating, (i.e. 13°C [55°F]).
- 5.5 Resetting the controls on rising will quickly raise room temperature.

**IMPORTANT: If at any time the main burner does not go out when there is no demand for heat, turn the gas control START knob clockwise in the direction of the arrow and contact your heating installer.**

#### **6. TIME CONTROL OPERATION (if fitted)**

- 6.1 Refer to the Time Control manufacturers instructions.

#### **7. SUMMER AIR CIRCULATION**

- 7.1 The Summer Air Circulation Switch is located on the electrical box which is situated in the compartment behind the front panel provided with a handle.
- 7.2 During hot weather, unheated air can be circulated around the dwelling by turning of the heat requirement and using the summer air circulation switch to run the heater fan only.

#### **8. AIR FILTER**

**IMPORTANT:** The air filter should be cleaned every four weeks during the heating season.

DO NOT allow the filter to become clogged or the heater output will become greatly reduced, and fuel will be wasted.

In NEW DWELLINGS, clean the filter once a week for the first month or so, to clear builders' dust etc.

#### **8.1 To clean the filter:**

- 8.1.1 Turn of the electrical supply and remove the front panel of the heater using the handle provided.
- 8.1.2 Withdraw the filter.

**Important:** On downflow models the filter is in 3 parts. It is necessary to first remove the right hand filter section, slide the centre section to the right hand side for removal. The left hand filter can be removed from either the left hand side, or by sliding it to the right hand side.

**WARNING: On no account is the flue pipe to be disconnected for filter replacement.**

- 8.1.3 Vacuum clean the filter.

- 8.1.4 Refit the filter element in reverse of removal.

**NOTE:** On downflow models, ensure that the filter sections are fully engaged, such that the foam strip sits beneath the heater top cross member and forms an effective seal.

- 8.1.5 On upflow models, ensure that the front panel is fitted correctly.

**NOTE:** There is a switch on the door which prevents the appliance from operating unless the front panel is correctly fitted.

- 9.1 It is recommended that a full maintenance check on your appliance be made at least annually, and that a service contract is taken out on completion of the guarantee period. Your heating installer will be able to provide details of arrangements for this service.

**IMPORTANT: STATUTE LAW DEFINES THAT ALL GAS APPLIANCES MUST BE INSTALLED AND MAINTAINED BY COMPETENT PERSONS, (i.e. CORGI REGISTERED INSTALLERS) IN ACCORDANCE WITH THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS (CURRENT EDITION). FAILURE TO COMPLY WITH THESE REGULATIONS MAY LEAD TO PROSECUTION.**

## 10.

POWER CUTS

- 10.1 If you experience an electrical power cut, the gas control on your heater, being electrically operated, will close. The main burner will go out, but the pilot burner will remain alight. When the electrical supply is restored, the heater will work normally again. If your heating system is controlled by an electrical Time Control, it may be necessary to reset it.

## 11.

HEATER NOT GIVING THE SERVICE YOU NEED

- 11.1 Check that the Room Thermostat and Time Control (if fitted), are set correctly to your requirements and that at least half of the warm air outlets are open, especially in the room where the Room Thermostat is sited.
- 11.2 Check that the pilot burner is alight. If not, carry out the lighting instructions as detailed in Section 2.
- 11.3 Check whether the air filter is clogged. If so, clean as detailed in Section 8.
- 11.4 Check that the summer air circulation switch is in the OFF position if the fan will not stop when required.

11.5 **SERVICE ARRANGEMENTS:**

**New Appliances:** Service is supplied under guarantee by the installer for the first 12 months, thereafter, should you have difficulty in obtaining service, Johnson and Starley Service Department will provide information of suitable service companies.

**Landlords:** Landlords must have their own arrangements for servicing.

## 12.

IF YOU SMELL GAS:

- 12.1 **DO NOT OPERATE ANY ELECTRICAL SWITCHES, OR USE A NAKED FLAME.**
- 12.2 **TURN OFF** the gas at the gas meter.
- 12.3 **VENTILATE** the area by opening doors and windows.
- 12.4 Contact your local gas service engineer, or gas supplier.

## 13.

CLEANING

- 13.1 If necessary, the heater cabinet may be cleaned using a mild soap solution. **DO NOT USE ABRASIVE or STRONG ALKALIS**

**IMPORTANT**

FOR YOUR APPLIANCE TO WORK EFFICIENTLY, AND FOR YOUR HEATING SYSTEM TO PERFORM SATISFACTORILY, IT IS ABSOLUTELY ESSENTIAL TO OBSERVE THE FOLLOWING:-

- a) This air heater is installed in a ventilated area. **DO SEEK ADVICE** from your installer before making any alterations likely to reduce the supply of fresh air to the heater.
- b) **DO KEEP CLEAN**, and make sure you **DO NOT OBSTRUCT** any air grilles on the heater, in the heater compartment, or in any walls, windows, or doors of the building.
- c) **DO CLEAN** and **CORRECTLY REFIT** the air filter at least once per month, or to the manufacturer's instructions.
- d) **DO NOT PLACE ANYTHING** (clothing, linen etc.) in contact with the air heater or its flue pipe.
- e) **DO NOT USE** the heater compartment for the storage of airing.
- f) **DO NOT** turn off the mains electrical; supply to the air heater, until the gas supply has been turned off

**In the event of this appliance being sold or transferred to another user, THESE instructions must be supplied**

Johnson and Starley prides itself on its ability to supply spare parts quickly and efficiently. If your service engineer indicates a problem in obtaining a spare part, advise him to contact Johnson and Starley Spares Department at the address below.

**Telephone: 01604 762881**

**Fax : 01604 767408**

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