



# OPTIMA 601

05/97

**WALL MOUNTED, ROOM SEALED,  
FAN ASSISTED, GAS COMBINATION BOILER**



## **USERS INSTRUCTIONS**

W.R.C. No. 9207075

Read these Instructions thoroughly  
before using the appliance

Phone numbers:

Installer \_\_\_\_\_

Service Engineer \_\_\_\_\_

Serial No. \_\_\_\_\_

### **FERROLI HELPLINE**

**FOR SERVICE INFORMATION OR  
HELP TELEPHONE: 0121 313 1030  
ALWAYS QUOTE YOUR SERIAL NUMBER  
FOR IMMEDIATE ASSISTANCE**



ALL SPECIFICATIONS SUBJECT TO CHANGE

Stockton Close, Minworth Industrial Park, Minworth, Sutton Coldfield, West Midlands B76 1DH  
Sales: 0121/3132030 Service: 0121/3131030 Fax 0121/3132319



## Conditions of Installation

### GAS SUPPLY

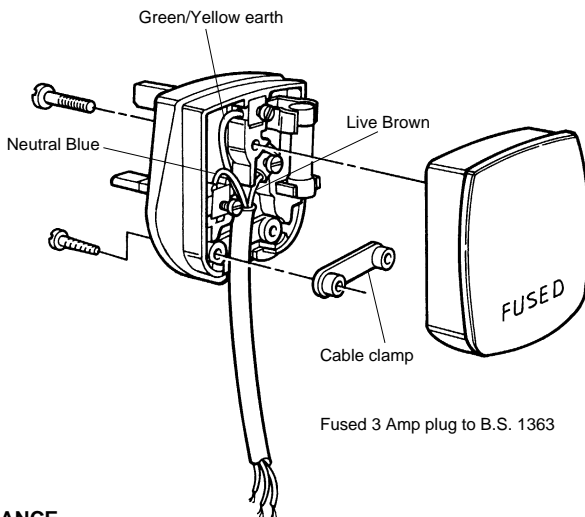
It is the law that all gas appliances are installed and serviced by a competent person in accordance with the Gas Safety Regulations (Installation & Use) 1994, and the manufacturers instructions. Failure to observe these requirement may lead to prosecution.

### ELECTRICAL SUPPLY 230 V ~ 50 Hz FUSED 3A.

The electrical wiring must be carried out by a qualified electrician.

The colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminal in the plug. Therefore proceed as follow:

The wire coloured green and yellow must be connected to the terminal in the plug marked with either the letter E or by the earth symbol or coloured green or green and yellow. The wire coloured blue must be connected to the terminal marked either with the letter N or coloured black. The wire coloured brown must be connected to the terminal marked either with the letter L or coloured red.



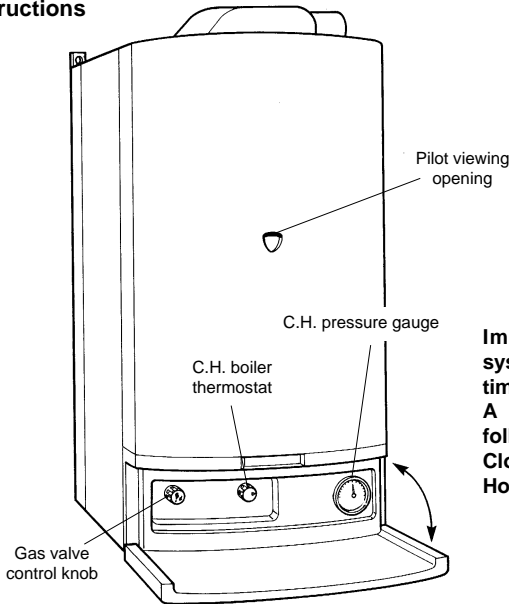
### MINIMUM CLEARANCE

The minimum clearance around the appliance should be as follows:

- Sides 5 mm
- Front 600 mm
- Below 200 mm
- Above 100 mm

**Note:** If a side outlet flue is to be used, a clearance of 75 mm will be needed on the flue outlet side of the boiler.

## Boiler Lighting Instructions



**Important: the Control system has a built in waiting time for Central Heating. A max. 3 minutes delay following shut off Boilerstat Clock, Roomstat or use of Hot Water is normal**

1. Open control panel cover by pulling at either side.
2. Ensure that the external time switch is set to the ON position.
3. Ensure that the electricity supply is turned on.
4. Ensure that the heating system is filled with water and has not been drained down. (Pressure gauge should read 1.0 bar minimum).
5. Adjust the room thermostat (if fitted) to a high setting.
6. Adjust the boiler thermostat to its maximum setting. After a waiting time of max 3 minutes, fan in boiler will commence to run and 20 seconds must elapse before continuing.
7. Depress the gas control knob fully (this should operate the electronic ignitor). When the pilot flame is seen to light in the pilot viewing opening, keep the control knob fully depressed for a further 15 seconds, then release it.  
Should the pilot fail to remain alight, (or go out for any reason), then wait a full 3 minutes before attempting to relight the pilot.  
Should the pilot still fail to remain alight, turn the boiler off and contact your installer.
8. With the pilot burner established, observe that the main burners cross-light smoothly.
9. Set the time clock, room thermostat (if fitted) and the boiler thermostat to their desired settings.

**Note 1** - The main burner will light whenever a hot tap is turned on.

**Note 2** - If the electricity supply is switched off for any reason, ensure that the pilot burner has remained alight.

If the boiler has gone out, follow «**The Boiler Lighting Instructions**» for relighting it.

### **To Shut Down The Boiler For Short Periods**

1. Set the external time switch/room stat to the OFF position. (In this position the pilot burner will remain alight, and the main burner will only operate when domestic hot water is required).

### **To Shut Down The Boiler For Long Periods**

1. Turn the gas control knob fully clockwise (approximately 1/12 of a turn). This will turn the pilot burner out.
2. Turn off the electricity supply.

## **Boiler Controls**

### **1.0 TIME CLOCK**

An external time clock/room stat will be installed to operate the central heating only, separate instructions for their use will be supplied by your installer.

### **2.0 BOILER THERMOSTAT TEMPERATURE SETTING (Central Heating)**

The boiler water temperature can be set by the boiler thermostat knob, which is variable from minimum to maximum.

This control knob does not affect the temperature of the domestic Hot Water.

### **3.0 DOMESTIC HOT WATER**

When any domestic hot water tap is turned on the boiler will provide hot water. At minimum flow rate the water will be approximately 70°C and a maximum flow rate the water will be approximately 40°C (normal running is approximately 60°C).

### **4.0 SERVICING**

The boiler must be checked and serviced by your installer or other competent person at least once a year.



## General Notes

### 1.0 SPACE OF GAS

Should a gas leak be suspected, turn off the gas supply at the meter then contact the Local Region of British Gas P.L.C. without delay.

### 2.0 SYSTEM WATER PRESSURE

If the water pressure in the central heating system, as indicated by the pressure gauge, falls below 1.0 bar, contact your installer, Service Engineer or other competent person to top it up.

### 3.0 VENTILATION

If the appliance is installed in a compartment or cupboard, do not obstruct any purpose provided ventilation openings.

Do not use the compartment or cupboard for storage purposes.

### 4.0 FROST PROTECTION

**Note** - The boiler has its own built-in frost protection which automatically fire the boiler in low temperature situations irrespective of the selector switch setting. Electricity supply must be left on.

For frost protection of the system (radiator, etc.), a frost thermostat can be fitted, or if the boiler is turned off for long periods contact your installer or other competent person to drain the system. The system must be re-filled by your installer or other competent person.

### 5.0 HIGH LIMIT CUT-OFF THERMOSTAT

The boiler is fitted with a safety overheat cut-off thermostat, should it operate the pilot burner will go out. Should this happen, wait at least 3 minutes before attempting to re-light the boiler. The boiler should be relight in accordance with the «**Boiler Lighting Instructions**». If the safety overhead cut-off thermostat continues to fail consult your installer, service engineer or other competent person.

- 6.0 If the pump sticks, it can usually be freed by removing the chrome center screw (a small amount of water will escape) and manually free the impeller using a screwdriver in the end of the shaft.

## Simple Checks

If a fault is suspected or discovered, you should contact your installer, service engineer or other competent person. The following list however, is a series of simple checks that should be made before contacting your installer:

- a) Is the plug properly located in the socket and 3 amp fuse intact?
- b) Is the electricity supply switch on?
- c) Is gas supply on and is pilot alight?
- d) Is the room thermostat (if fitted) set high enough?
- e) Is the boiler thermostat set high enough?
- f) Is the time clock in the **ON** position? (i.e. calling for central heating)
- g) Are the radiator valves open?
- h) Is the pressure on the pressure gauge indicating more than 1 bar?



**IMPORTANT:**

If the pump sticks, it can usually be freed by removing the chrome center screw, (a small amount of water will escape) and manually free the impeller using a screwdriver in the end of the shaft.

Phone numbers:

Installer \_\_\_\_\_

Service Engineer \_\_\_\_\_

**BECAUSE OF OUR CONSTANT ENDEAVOUR FOR IMPROVEMENT DETAILS MAY VARY SLIGHTLY FROM THOSE QUOTED IN THESE INSTRUCTIONS.**

Cod. 3540255/1 - 05/97



ALL SPECIFICATIONS SUBJECT TO CHANGE

Stockton Close, Minworth Industrial Park, Minworth, Sutton Coldfield, West Midlands B76 8DH  
Tel: 0121/3523500 Fax 0121/3523510

---