



# USER MANUAL

Model **RSF 20 E - RSF 24 E**



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TYPE C ROOM SEALED



*The code of practice for the installation,  
commissioning & servicing of gas fires and wall heaters*

CE 0694

ENGLISH

## BOILER OPERATION AND ADJUSTMENT PROCEDURES FOR USER

Before turning on the boiler read the following warnings carefully .

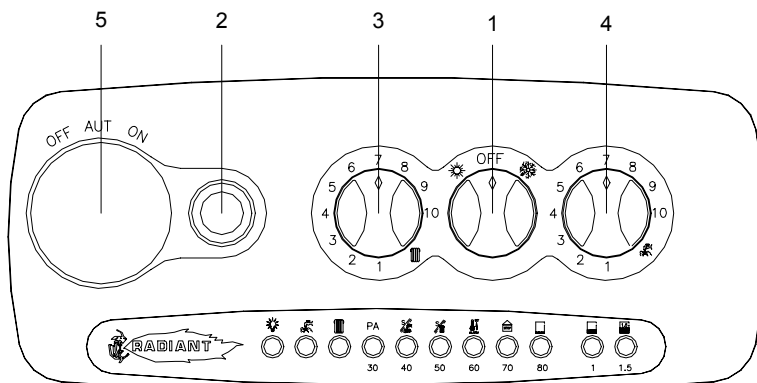
Make sure that the warranty booklet carries the stamp of the CORGI registered technician (you can check this by contacting corgi on 01256.372200) responsible for installing the boiler. Installation, starting up for the first time, adjustments and maintenance operations must all be carried out solely by qualified technicians. Incorrect installation may cause damage to persons, animals or property for which the manufacturer cannot be held liable.

### WARNING!

- ⇒ **Do not start the boiler unless you are sure it has been thoroughly tested by an authorised technician.**
- ⇒ **Check that the regulations regarding air intakes and ventilation of the room where the boiler is installed have been fully complied with.**
- ⇒ **The anti-freeze system will come into operation only if the boiler is in the winter (❄) or summer (☀) position (with selector switch 1 in fig. 1 turned to the summer or winter position) and the gas supply turned on. The manufacturer can accept no responsibility for damage to the boiler caused by lack of observation of these requirements.**
- ⇒ **If the boiler should freeze up, under no circumstances attempt to turn it on but call the RADIANT HELP LINE – (1329.828555) immediately.**

**LEGEND** (see fig. 1)

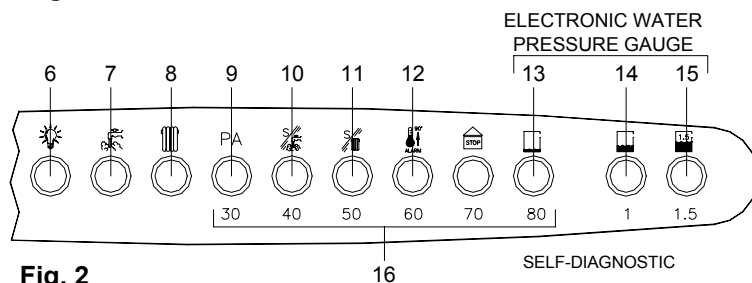
1. SUMMER-WINTER ON-OFF SWITCH
2. LOCK-OUT INDICATOR
3. HEATING TEMPERATURE ADJUSTMENT KNOB
4. WATER TEMPERATURE ADJUSTMENT KNOB
5. SPACE FOR ADDING AN OPTIONAL TIMER



**Fig. 1**

**SELF- DIAGNOSTIC LEGEND** (see fig. 2)

6. OPERATING/ POWER INDICATOR
7. DOMESTIC HOT WATER OPERATION
8. HEATING OPERATION
9. FLASHING LIGHT DENOTING AIR PRESSURE SWITCH FAILURE
10. FLASHING LIGHT DENOTING DOMESTIC WATER SENSOR FAILURE
11. FLASHING LIGHT DENOTING HEATING SENSOR FAILURE
12. FLASHING LIGHT DENOTING 90° C MAX TEMPERATURE SENSOR FAILURE
13. FLASHING LIGHT DENOTING LACK OF WATER IN SYSTEM
14. WATER PRESSURE LEVEL 1 BAR
15. WATER PRESSURE LEVEL 1.5 BAR
16. ELECTRONIC TEMPERATURE INDICATOR



**Fig. 2**

### Turning on procedure for electronic ignition

- turn on the gas cock situated under the boiler grill;
- turn selector switch 1 to the ❄ symbol denoting winter (see fig.1);
- make sure that 6 light is ON (see fig. 2 ) and the no.14 or no.15 lights are ON (see fig. 2 ) ;

if light no.13 flashes, it means water deficiency in the system: open the tap on the filling loop and fill the system until a pressure of 1.5 bar has been reached (light no.15 ON; see fig. 2) and then **close the tap**.

- The automatic ignition system will turn the burner on.

It may be necessary to repeat the procedure a few times to purge air from the pipes. To repeat the ignition procedure press release button 2 (see fig. 1 pag. I) and then try the ignition procedure once again. If the boiler does not start, press the reset button (see fig. 1 pag. I). **IMPORTANT** should the boiler fail to ignite **wait 3 minutes** before pressing button again.

If locking-out persists, turn boiler OFF and call **RADIANT HELP LINE - 01329.828555**.

**Turning off boilers with electronic ignition :**

- turn selector switch **1** to the **OFF** position;
- if the boiler will not be used for long periods it is recommended that the gas cock under the boiler grill be shut off.

**Summer-winter use (see fig. 1 pag. I).**

- turn the selector switch **1** to the ❄️ program to operate the boiler in the WINTER position for both heating and hot water;
- turn the selector switch **1** to the ☀️ program to operate the boiler in the SUMMER position for just hot water;
- if the system has a room thermostat, set this to the temperature required;

**REGULATING THE HEATING TEMPERATURE**

The heating temperature is regulated by turning knob **3** (see fig. 1 pag. I).

- turn it counter-clockwise to lower the temperature.
- turn it clockwise to raise the temperature.
- the temperature range can be adjusted from a minimum of 30°C to a maximum of 80°C.

**REGULATING THE HOT WATER TEMPERATURE**

The hot water temperature is regulated by turning knob **4** (see fig. 1 pag. I).

- turn it counter-clockwise to lower the temperature
- turn it clockwise to raise the temperature
- the temperature range can be adjusted from a minimum of 35°C to a maximum of 60°C.

**RESETTING THE BOILER**

If boiler locks-out (fig. 1 page I, indicator no.2 ON) proceed as follows:

- wait approximately 3 minutes from the last shut down
- press red reset button (2) (fig.1 page I)
- The boiler comes into operation.
- If lock-outing persists, turn the boiler OFF and call the RADIANT HELP LINE - 01329.828555.

**WARNINGS FOR THE USER**

To keep the boiler in efficient and safe operating condition, carefully follow the instructions listed below:

- Have normal maintenance performed at least once a year by one of our authorised service centres (a fee will be charged), combustion tests are necessary every two years and should again be carried out by a qualified technician authorized by the manufacturer (in accordance with D.P.R. 412 regulations, 26-08-93).
- Periodically check system pressure on the pressure gauge and check that pressure is between 0.5 - 1.5 bar with the system cold.
- Do not clean the casing or internal parts of the boiler with reducing agents or solvents. Clean only with soap and water.
- Never leave flammable materials in the immediate vicinity of the boiler.
- For greater comfort and more rational use of heat, it is advisable to install a room thermostat connected to a clock timer to turn the boiler on and off during the course of the day or week (in accordance with D.P.R. 412 regulations, 26-08-93).
- The boiler is equipped with an anti-freeze system, which is operative with switch 1 in either SUMMER ☀️ or WINTER ❄️ position, even if the room thermostat is set at zero, as long as there is electrical power and gas feed.
- Please ensure you have a fully completed BENCHMARK BOOKLET and this is kept with your installation instructions.



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