



# USER MANUAL

Model **RBS 20 E**



**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 USERS

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 (see installation instructions p.2).**
- ⇒ **The anti-freeze system will come into operation only if the boiler is in the «ON» 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 immediately.**

LEGEND (see fig. 1)

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

SELF- DIAGNOSTIC LEGEND (see fig. 2)

5. WARNING: LACK OF WATER IN THE SYSTEM
6. WATER PRESSURE LEVEL 1 BAR
7. WATER PRESSURE LEVEL 1.5 BAR
8. WARNING: LOCK-OUT INDICATOR

**TURNING ON THE ELECTRONIC** (by flame ionisation)

- Open the gas cock under the boiler grill;
- Turn selector switch 1 to the ❄ symbol denoting winter (see fig.1).
- Make sure that 6 and 7 lights are ON (fig.2, page I, pos. 6 and 7); if light no. 5 is ON, 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. 7 ON; fig.2) and then **close the tap**.

The automatic ignition system will turn the boiler on. It may be necessary to repeat the procedure a few times to purge air from the pipes. To repeat the ignition procedure in any case wait 3 minutes before turning the boiler off and on again, then try to ignite it once more.

**TURNING OFF THE ELECTRONIC IGNITION**

- set 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.

**REGULATING THE HEATING TEMPERATURE**

The heating temperature is regulated by turning knob 2 (see fig.1) to the temperature required, chosen from the different values printed around the selector.

The temperature range goes from a minimum of 35°C to a maximum of 80°C.

**REGULATING THE HOT WATER TEMPERATURE**

The hot water temperature is regulated by turning knob 3 (see fig.1) to the temperature required, chosen from the different values printed around the selector.

The temperature range goes from a minimum of 35°C to a maximum of 60°C.

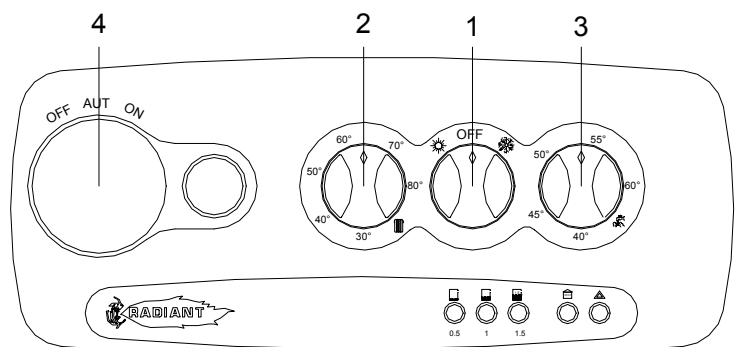


Fig. 1

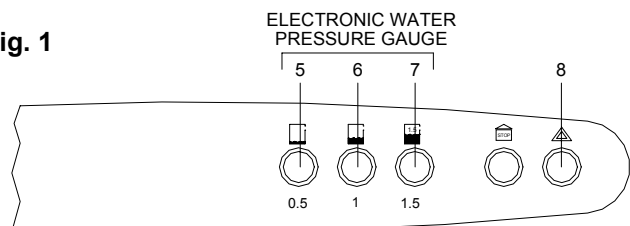


Fig. 2

## RESETTING THE BOILER

If boiler locks-out (see fig. 2 page I), indicator no.9 ON) proceed as follows:

- wait approximately 3 minutes from the last shut down
- set Main Switch (1) to OFF position (see fig.1 page I)
- set Main Switch (1) either to summer or winter position (see fig. 1 page I). The boiler comes into operation.

If lock-outing persists, turn the boiler OFF and call an authorised service engineer.

## 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 thinners or solvents. Cleaning should always be done using only soap and water and be carried out by authorised personnel.
- 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 with two temperature levels (in accordance with D.P.R. 412 regulations, 26-08-93).
- The boiler is equipped with an anti-freeze system, which comes into operation when the temperature reaches 5°C (heating sensor) and 4°C (hot water sensor), protecting the boiler down to a temperature of -2°C. *To protect the internal heating unit as well, fit a room thermostat or a remote control.*
- Please ensure you have a fully completed BENCHMARK BOOKLET and this is kept with your installation instructions.



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