



Heat technology since 1959

# USER MANUAL

Model **RKA 25 – RKA 100**

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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.**
- ⇒ **Boilers can be installed externally, in a partially protected place (see page no.6) in conformity with local Building Regulations and only if the outside minimum temperature is not lower than  $-10^{\circ}\text{C}$ ; the manufacturer is not responsible for external installations where the outside temperature is lower than  $-10^{\circ}\text{C}$ .**
- ⇒ **The anti-freeze system will come into operation only if the ON/OFF switch 1 (see fig.1) is ON  $\curvearrowright$  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.**

## CONTROL PANEL

### LEGEND (see fig. 1)

1. ON / OFF POWER SWITCH
2. HEATING TEMPERATURE ADJUSTMENT KNOB
3. DOMESTIC HOT WATER TEMPERATURE ADJUSTMENT KNOB
4. OUTSIDE TEMPERATURE DISPLAY PAD (ONLY WITH OPTIONAL OUTSIDE TEMPERATURE SENSOR FITTED)
5. CHIMNEY-SWEEPER SELECTION PAD/PARAMETER SETTING SERVICE PAD
6. MODE SELECTION PAD (SUMMER ONLY / WINTER ONLY / SUMMER AND WINTER)
7. MAIN EXTERNAL TERMINAL BLOCK (POWER SUPPLY)
8. DOMESTIC HOT WATER MODE (STABLE LIGHT)  
DOMESTIC HOT WATER OPERATION (FLASHING LIGHT)
9. HEATING MODE (STABLE LIGHT)  
HEATING OPERATION (FLASHING LIGHT)
10. GENERAL LOCK-OUT WITH FLASHING ERROR CODE ON DISPLAY (14)
11. WATER PRESSURE LEVEL 1.5 BAR INDICATOR
12. WATER PRESSURE LEVEL 1 BAR INDICATOR
13. WATER DEFICIENCY INDICATOR
14. TEMPERATURE AND ERROR CODES DISPLAY

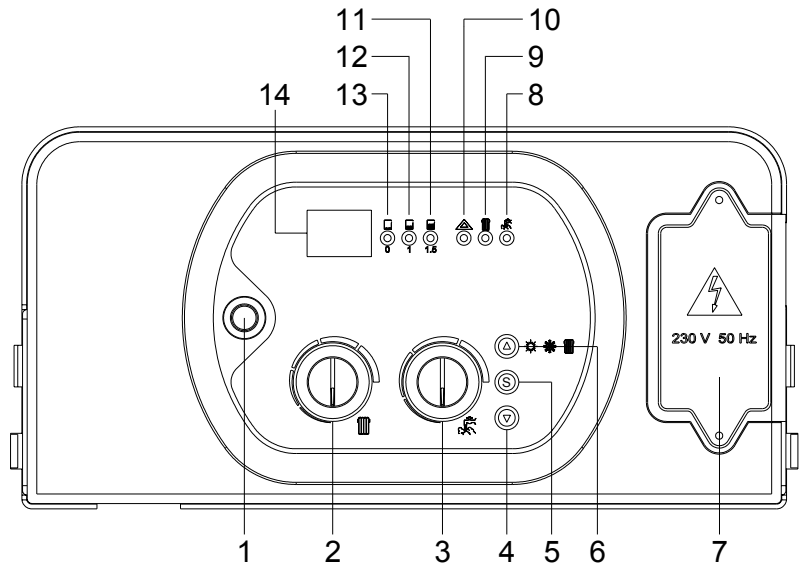


Fig. 1

### Turning on procedure for electronic ignition (only for U.K. and Ireland):

- turn on the gas cock situated under the boiler grill;
- set the ON/OFF switch 1 (see fig. 1) to ON  $\curvearrowright$ ;
- push Pad 6 to select heating mode (led 9 ON intermittent) or D.H.W. mode (led 8 ON intermittent);
- make sure that display light is ON (see fig. 1) and the no.12 or no.11 lights are ON (see fig. 1); if light no.13 flashes, it means water deficiency in the system: open the filling tap located under the boiler and fill the system until a pressure of 1.5 bar has been reached (light no.11 ON; see fig. 1) and then **close the tap on the filling loop**.
- The automatic ignition system will turn the burner on.
- In case of water deficiency the display shows code 04 intermittent and the Led 13 is ON. To restore water pressure open the tap on the filling loop and fill the system, when led 11 (1.5 bar pressure) is ON, close the tap.

It may be necessary to repeat the procedure a few times to purge air from the pipes. Set the ON/OFF switch 1 (see fig.1) to OFF  $\curvearrowleft$  and then ON  $\curvearrowright$  position and try the ignition procedure once again. If the boiler does not start, reset boiler and set the ON/OFF switch 1 to OFF and then ON position.

**IMPORTANT** should the boiler fail to ignite **wait 3 minutes** before a new ignition procedure.

In case of water deficiency the display shows code 04 intermittent and the Led 13 is ON. To restore water pressure open the tap on the filling loop and fill the system, when led 11 (1.5 bar pressure) is ON, close the tap.

If locking-out persists, turn boiler OFF (selector switch 1 to the OFF  position) and call an authorised radiant service engineer.

#### 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.

#### THE BOILER IN USE

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

Push Pad 6 (fig. 1) to select WINTER ONLY program – Led 9 ON for heating only Mode or SUMMER ONLY program – Led 8 ON for water only Mode or SUMMER and WINTER program Led 9 – 8 both ON for heating and hot water mode.

#### REGULATING THE HEATING TEMPERATURE

The heating temperature is regulated by turning knob 2 (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 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 35°C to a maximum of 60°C.



#### RESETTING THE BOILER

If boiler locks-out (fig. 1 page I, indicator no.10 ON) and intermittent error code on the display :

- wait approximately 3 minutes from the last shut down
- Set the ON/OFF switch 1 to OFF  and then ON  position (see fig.1 page I)
- once the Led and the error code are OFF, the boiler switch on automatically
- 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 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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