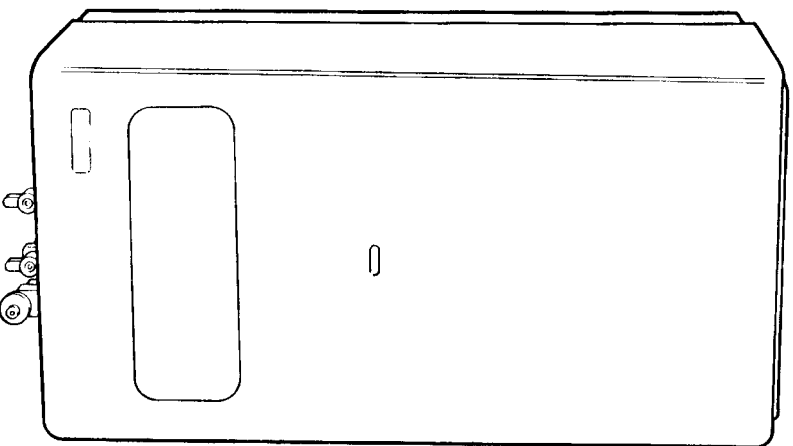


# Mokèra

*12-48 RS Mywhite*



## **Users Instructions**

G.C. No. 41 094 04  
British Gas Tested and Certified

**HAND THESE  
INSTRUCTIONS  
TO THE USER.**

This Appliance is for use  
with Natural Gas only.

**BEFORE ATTEMPTING TO LIGHT APPLIANCE PLEASE MAKE SURE THAT IT IS CHARGED UP WITH WATER WITH THE NEEDLE POINTING BETWEEN 10 AND 15 ON THE PRESSURE GAUGE.**  
Gas Safety (Installation and Use) Regulation 1984

In your own interests and that of safety, it is the law that all gas appliances are installed and serviced by a competent person in accordance with this regulation.

#### **Gas Leak or Fault**

**IF A FAULT OR GAS LEAK EXISTS OR IS SUSPECTED, TURN OFF THE APPLIANCE AND CONTACT YOUR LOCAL GAS REGIONAL OR SERVICE ENGINEER.**

## **INTRODUCTION**

Your Vokera 12-48 RS Myrnute is a central heating boiler but with the addition of a hot water cylinder can supply stored hot water

#### **Boiler Location**

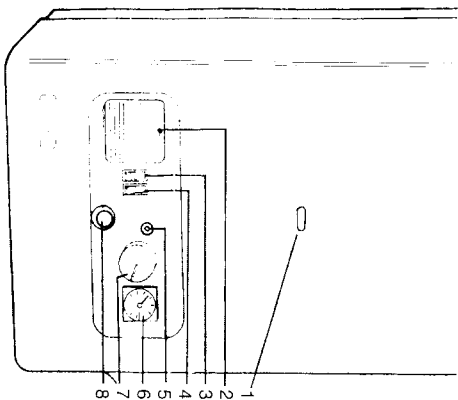
- Clearances
- Min. - above (Horizontal flue) 50mm (2in) above flue.
- Min. - above (Vertical flue) 150mm (6in) above casing.
- Min. - below 200mm (8in) (from casing)
- Min. - in front 600mm (24in) (from casing)
- Min. - at sides 25mm (1in) (from casing)

If fitted in a compartment, the purpose provided ventilation openings must not be blocked, and should be checked periodically to ensure this. The compartment should not be used as a storage cupboard (e.g. for food).

#### **NEVER HANG CLOTHES ETC. OVER THE APPLIANCE:**

- 1 Pilot Sight Glass
- 2 Time Clock Aperture
- 3 On/Off Switch
- 4 Timed/Rest/Constant Switch
- 5 Piezo Igniter
- 6 Pressure Gauge
- 7 Boiler Thermostat
- 8 Gas Control Knob

Note: Mode/Selector Switch (4). If the appliance is not fitted with a Vokera Time Switch (in position 2 on diagram) the switch must always remain in the Constant position or Central Heating will not operate.



## **ELECTRICITY SUPPLY**

### **WARNING: THIS APPLIANCE MUST BE EARTHED**

Connection should be made to a 240v ~ 50Hz supply. The appliance must be protected by a 3amp fuse if a 13amp (BS 1363) plug is used. If any other type of plug is used a 5amp fuse in the circuit is necessary.

#### **To connect a plug:-**

As the colour of the wires in the mains lead to this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol or coloured green or green-and-yellow.


The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

#### **1.0 Lighting the Boiler**

- 1.1 Switch on the electrical supply at the mains isolating point, but ensure that the ON/OFF switch (3) is in the OFF position
- 1.2 Ensure that the gas supply to the appliance is 'ON'



- 1.3** Press the gas control knob (8) and hold it in whilst pressing the ignitor button (5) until a pilot flame is seen through the viewing window (1). Continue to press the gas control knob for 15 seconds, then slowly release. The pilot should remain alight. If the pilot does not remain alight or goes out on any occasion wait 3 minutes and repeat the procedure as above.
- 1.4** Switch the ON/OFF switch (3) to ON.
- N.B.** Manual relighting of the pilot may be necessary following interruption of the electricity supply.
- 2.0** **Lighting the Boiler**
- 2.1** Turn the appliance Mode Selector switch (4) to Constant (if external controls are fitted e.g. time clock and/or room thermostat ensure they call for heat) the boiler will now light. Adjust the thermostat knob (7) to suit the weather (1 is the lowest setting, 9 is the highest).
- 2.2** For the quickest heat up of the premises the highest setting is needed at first, turning down later.
- N.B.** When Room Thermostats are used it may be best to leave the boiler thermostat at a high setting and set the room thermostat as required.
- (ii)** When Room Thermostats are used it may be best to leave the boiler thermostat at a high setting and set the room thermostat as required.
- 3.0** **SAFETY LIMITS**
- 3.1** **System Pressure**
- The water pressure gauge (6) must read between 1.0/1.5bar when the system is cold. Leaks or radiator venting will reduce this. Call in your service engineer or installer if the pressure is too low. A built-in safety valve operates if boiler pressure exceeds 3.0bar (whether hot or cold).
- If the safety valve operates (water/steam passing to drain) switch off and call in the Installer or Service Engineer.

- 3.2** If the appliance water temperature rises too high, a safety cut-out operates to extinguish the burner.
- The appliance must be checked by a competent person, before relighting.**
- N.B.** The central heating flow and return valves have a red handle which is vertical when open and horizontal when closed. Leave in the vertical (open) position.
- 4.0** **SHUTTING DOWN THE SYSTEM**
- (i)** For short periods:  
Turn OFF at boiler on/off switch (3)  
Extinguish the pilot by turning gas knob (8)  clockwise.
- For longer periods also:  
As (i) Turn off main electricity supply to the boiler. Turn OFF the gas service cock.
- However, if the building is vacated when there is a risk of freezing shut down the boiler as described and drain the system. Open all heating radiator valves and drain through the cocks usually provided at the lowest point of the system. To ensure draining of radiators open radiator air cocks remembering to close them when the operation is complete. Alternatively install a frost stat and leave the mains electricity supply turned on.
- N.B.** Refilling a sealed system must be undertaken by a competent person following approved procedures.
- 4.1** **Relighting the Boiler**
- Relight by following steps 1.0 given previously, after ensuring that refilling of the sealed system has been carried out.
- 5.0** **Cleaning the Outer Case**
- Use a clean damp cloth. Do not use abrasive cleaners.
- 6.0** **Spare Parts and Servicing**
- Your Vokera 12-48 RS Mynute should be serviced annually. Please contact your local Vokera Service Department, your local Gas Region or a competent installer.

- 7.0** **VOKERA TIME CLOCK**
- 24 hour version and digital 7 day version
- 7.1** When a Vokera Time Clock is fitted in the boiler fascia it can be used to programme the central heating ON and OFF times.
- 7.2** **Timed/Summer/Constant Switch**
- For the time clock programme to operate the switch (4) must be in the Timed position. The central heating will operate regardless of the Time Clock programme if the Switch (4) is in the Constant position.
- 8.0** **SETTING THE TIME CLOCK (24 hour version)**
- Setting the Time** The time of day can be set by grasping the outer edge of the black dial and turning it in a clockwise direction until the correct time is in line with the white pointer.
- Setting 'switching times'** The 'ON' periods are set by sliding the tappets, adjacent to the time periods required, to the outer edge of the dial. The tappets which remain at the centre of the dial will be the 'OFF' periods. **N.B.** The smallest switching time (ON or OFF) is 15 minutes.
- 9.0** **VOKERA TIME CLOCK (Digital 7 day version)**
- The Vokera digital clock has besides the normal individual daily setting facility a group timing feature
- Group timing allows for any single time slot of the 12 available to be repeated over one of the following three periods:-
- MONDAY TO SUNDAY  
MONDAY TO FRIDAY  
SATURDAY AND SUNDAY
- N.B. THE DISPLAY WILL NOT SHOW UNTIL THE CLOCK HAS BEEN CONNECTED TO MAINS POWER FOR APPROXIMATELY TWO MINUTES.**

#### USE OF THE TIMER

##### Setting the time

- Press and hold  button whilst carrying out steps 2, 3 and 4.
  - Set hour of day using **h+** button.
  - Set minute of day using **m+** button.
  - Set day of week by repeatedly pressing button marked **Day**.
  - Releasing  button starts time switch running.
- Before entering any programme draw up a chart to arrange the settings required and enter in a chronological order; as on read back the programme displays in the order of entry.
- ATTENTION!** If keys **h+** or **m+** are kept depressed for longer than 2 seconds, a rapid advance of figures will result.
- Before entering any programme draw up a chart to arrange the settings required and enter in a chronological order; as on read back the programme displays in the order of entry.

#### TO PROGRAMME 'SWITCHING ON' TIMES

- Press button marked 'CH1' once. The time of day as set - disappears from the display.
- Press button marked 'Day' until the day or group of days requiring setting are displayed.
- Set the 'ON' time of programme required by using 'h+' and 'm+' buttons for hours and minutes. Please read the notes at the end of these instructions if you wish this switching time to be carried out on several days.

Again press button marked 'CH1', so that the command will be incorporated in the programme storage compartment.


 will appear  
**CH1 OFF**

#### TO PROGRAMME 'SWITCHING OFF' TIMES

Now insert the 'OFF' time of the programme required using 'h+' and 'm+' buttons for hours and minutes.

(b) Press button marked 'Day' until the day or group of days requiring setting are displayed.

(c) In order to insert further switching times 'ON or OFF', press 'CH1' button once or several times respectively. The display shows a vacant storage space; for instance,

 will appear  
**CH1 OFF**

Input of 'ON/OFF' times as described above may be carried out. Eight 'ON/OFF' programmes can be set. Press the button marked  on completion of programme settings.

**NOTES:**

**MULTIPLE WEEK-DAY SWITCHING GROUPS**


It is possible to combine switching commands within the switching time programme if they are to be executed at the same time on different days of the week. For this purpose your instrument offers the following possibilities:

- Constant daily repetition:
  - Monday - Sunday (Mo-Su)
  - Week-days only
  - Monday-Friday (Mo-Fr)
  - Week-ends only:
    - Saturday + Sunday (Sa-Su)

These weekday combinations can be called up with the key 'Day' (for instance Mo, Tu, We, Th, Fr) during the programming operation of switching times. Thus switching time carried out for instance Monday - Friday at 13 00 hrs requires only one storage space

Alterations are carried out by 'overwriting' of the individual command. To achieve this, follow the procedure for SWITCHING ON AND OFF (Programming of switching times).

**CANCELLATION OF SWITCHING COMMANDS**

If keys 'h+' and 'm+' are used to overwrite a switching command in such a way that the hour and/or minute area in the display shows the symbol , the input is no longer effective, but it remains in the storage compartment as an inactive part.

**SWITCHING CONDITION INDICATION**

The actual switching condition is shown in the displays as 'ON' or 'OFF' together with the time of day

**PRE-SELECTION SWITCH (Hand Symbol)**

The programming key has 4 functions

Press once:

Advancement of next switching command: ON and OFF respectively

Press again:

Constant switching-on - closing contacts

Indication in display: FIX ON

Press again

Constant switching-off - opening contacts

Indication in display: FIX OFF

Press again

Return to automatic operation

**SUMMER TIME / WINTER TIME CHANGE-OVER**

From winter time to summer time:

Depress key **1 h** briefly once (Display shows symbol + 1 h)

From summer time to winter time:

Depress key **1 h** briefly once (Symbol + 1 h disappears from display).

**RUNNING RESERVE**

In the case of mains electricity failure, the internal battery ensures that the actual time of day continues to operate and that the automatic switching programme remains intact. The instrument can be programmed completely even without mains supply, provided the back-up battery is fully charged (charging time 70 hours).