MURELLE EV HE
25/55-30/55

User instructions
All descriptions and illustrations provided in this manual have been carefully prepared but we reserve the right to make changes and improvements in our products that may affect the accuracy of the information contained in this manual.
Benchmark places responsibilities on both manufacturers and installers.* The purpose is to ensure that customers** are provided with the correct equipment for their needs, that it is installed, commissioned and serviced in accordance with the manufacturer's instructions by competent persons and that it meets the requirements of the appropriate Building Regulations. Installers are required to carry out work in accordance with the following:

Standards of Work
- Be competent and qualified to undertake the work required.
- Install, commission, service and use products in accordance with the manufacturer’s instructions provided.
- Ensure that where there is responsibility for design work, the installation is correctly sized and fit for purpose.
- Meet the requirements of the appropriate Building Regulations. Where this involves notifiable work be a member of a Competent Persons Scheme or confirm that the customer has notified Local Authority Building Control (LABC), prior to work commencing.
- Complete all relevant sections of the Benchmark Checklist/Service Record when carrying out commissioning or servicing of a product or system.
- Ensure that the product or system is left in a safe condition and, whenever possible, in good working order.
- Highlight to the customer any remedial or improvement work identified during the course of commissioning or servicing work.
- Refer to the manufacturer’s helpline where assistance is needed.
- Report product faults and concerns to the manufacturer in a timely manner.

Customer Service
- Show the customer any identity card that is relevant to the work being carried out prior to commencement or on request.
- Give a full and clear explanation/demonstration of the product or system and its operation to the customer.
- Hand over the manufacturer's instructions, including the Benchmark Checklist, to the customer on completion of an installation.
- Obtain the customer’s signature, on the Benchmark Checklist, to confirm satisfactory demonstration and receipt of manufacturer’s instructions.
- Advise the customer that regular product servicing is needed, in line with manufacturers’ recommendations, to ensure that safety and efficiency is maintained.
- Respond promptly to calls from a customer following completion of work, providing advice and assistance by phone and, if necessary, visiting the customer.
- Rectify any installation problems at no cost to the customer during the installer’s guarantee period.

*The use of the word "installer" is not limited to installation itself and covers those carrying out installation, commissioning and/or servicing of heating and hot water products, or the use of supporting products (such as water treatment or test equipment).

**Customer includes householders, landlords and tenants.
The Benchmark Scheme

Sime Ltd is a licensed member of the Benchmark Scheme which aims to improve the standards of installation and commissioning of domestic heating and hot water systems in the UK and to encourage regular servicing to optimise safety, efficiency and performance.

Benchmark is managed and promoted by the Heating and Hotwater Industry Council. For more information visit www.centralheating.co.uk

Please ensure that the installer has fully completed the Benchmark Checklist on the inside back pages of the installation instructions supplied with the product and that you have signed it to say that you have received a full and clear explanation of its operation.

The installer is legally required to complete a commissioning checklist as a means of complying with the appropriate Building Regulations (England and Wales).

All installations must be notified to Local Area Building Control either directly or through a Competent Persons Scheme. A Building Regulations Compliance Certificate will then be issued to the customer who should, on receipt, write the Notification Number on the Benchmark Checklist.

This product should be serviced regularly to optimise its safety, efficiency and performance. The service engineer should complete the relevant Service Record on the Benchmark Checklist after each service.

The Benchmark Checklist may be required in the event of any warranty work and as supporting documentation relating to home improvements in the optional documents section of the Home Information Pack.
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**VERY IMPORTANT!**

PLEASE MAKE SURE YOUR BENCHMARK CHECKLIST IN THE INSTALLATION GUIDE, IS FILLED IN CORRECTLY.
ALL GAS SAFE REGISTER INSTALLERS CARRY A ID CARD.
THE REGISTRATION NUMBER SHOULD BERecorded ON THE CHECK LIST.
YOU CAN CHECK YOUR INSTALLER IS GAS SAFE REGISTERED BY CALLING ON 0800 408 5577

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Murelle EV HE 25/55 : Gas Council number 47-283-20
Murelle EV HE 30/55 : Gas Council number 47-283-21
OPERATING INSTRUCTIONS FOR THE USER

THE GAS SAFETY (INSTALLATION AND USE) REGULATIONS 1996. It is the law that all gas appliances are installed by a registered person, in accordance with the above regulations. Failure to install appliances correctly could lead to prosecution. It is in your own interest, and that of safety, to ensure that the law is complied with.

It is essential that the appliance is correctly earthed. An electricity supply of 240 V - 50 Hz fused at 3 A is required. Read these instructions carefully before attempting to operate the appliance.

1.1 INTRODUCTION

The Sime “MURELLE EV HE 25/55 - 30/55” is a fully automatic, wall mounted, room sealed, fan assisted range of combination boilers.

The D.H.W. storage tank allows a variety of requests to be met thanks to the abundance of water.

When operating in summer mode, the central heating is not operational however the appliance continues to supply hot water whenever it is required.

1.2 APPLIANCE OPERATION

Priority is given to the domestic hot water unless this is on a separate time control.

On demand, domestic hot water is supplied from the internal cylinder at the storage temperature. The initial 55 litres will be at storage temperature. After this the water temperature will alter according to the flow rate (see 1.3 on page 5 of the installation guide).

When the demand ceases the cylinder will be heated to the desired storage temperature, then if required the central heating will resume.

1.3 OPERATING INSTRUCTIONS

1.3.1 Boiler ignition [fig. 24]

The first ignition of the boiler must be carried out by qualified technical personnel. Successively, if it is necessary to start up the boiler again, adhere strictly to the following instructions: open the gas isolation to allow the flow of the fuel.

Move the mains supply switch of the system to "ON". A sequence of checks will be carried out and the display shows as in fig. 24, indicating the pressure of the system. Correct functioning is indicated by the presence of a blue luminous bar.

N.B.: The first press of the keys illuminates the display. It will remain illuminated for 30 seconds (default setting) from the last key press.

Winter

Press the key * of the controls (pos. 2) to activate the winter mode functioning (heating and D.H.W.). The display will be as shown.

Winter

Press the key * of the controls (pos. 2) to activate the winter mode functioning (heating and D.H.W.). The display will be as shown.

Fig. 24
Summer
Press the key ☀ of the controls [pos. 2] to activate the summer mode functioning (only the production D.H.W.). The display will be as shown:

1.3.2 Regulation
C.H. temperature (fig. 25)

To set the temperature of the water for heating, press the key III of the controls [2]. The first time the key is pressed, the SET of heating circuit 1 is selected. The second time it is pressed, the SET if second zone fitted is selected. The display will be as shown in figure 25.

Change the values with the key and .

The standard display will return if the III is pressed again, or after 10 seconds if no key is pressed.

Regulation of the external sensor

If an external sensor is installed, the value of the output temperature is automatically chosen by the system, which quickly adjusts the environmental temperature on the basis of the external temperature.

If you wish to change the value of the temperature, increasing or decreasing that calculated automatically by the electronic card, proceed as indicated in the preceding paragraph. The level of various correction of a value of temperature proportional calculated. The display will be as shown in fig. 25/a.

1.3.3 Regulation D.H.W. temperature (fig. 26)

To set the desired temperature of the stored D.H.W., press the key ☀ of the controls [pos. 2]. The display will be as shown in the figure 26.

Change the values with the key and .

The standard display by pressing the key ☀ again, or after 10 seconds if no key is pressed.

1.3.4 To switch off the boiler (fig. 24)

In the case of a short absence, press the key ☀ of the controls [pos. 2]. The display will be as shown in the fig. 24. In this way, leaving the electricity and the fuel supply connected, the boiler is protected from frost and from the pump becoming jammed.

If the boiler is not used for a prolonged period, it is advisable to disconnect the electricity supply, by switching off the main switch of the system, and to close the gas first and, if low temperatures are expected, to completely empty the hydraulic circuits to avoid pipes being frost damaged.
1.4 ERRORS AND SOLUTIONS

When there is a functioning error, the display shows an alarm and the blue luminous bar becomes red. Descriptions of the errors with the relative alarms and solutions are given below:

- **ALL 01** (fig. 27)
  Seek help and advice from a qualified engineer.

- **ALL 02** (fig. 27/a)
  If the water pressure detected is lower than 0.5 bar, the boiler will stop and the display will show "ALL 02". To proceed increase the system pressure to between 1 and 1.5 bar.

- **ALL 03**
  The system pressure detected is more than 2.8 bar. Ensure that the filling loop is turned off and the pipe detached. Lower the system pressure by draining from a radiator. If the problem persists seek help from a qualified engineer.

- **ALL 05**
  Seek help and advice from a qualified engineer.

- **ALL 06** (fig. 27/c)
  Press the key (1) of the controls (2) to re-start the boiler. If the error persists seek help and advice from a qualified engineer.

- **ALL 07** (fig. 27/d)
  Press the key (1) of the controls (2) to re-start the boiler. If the error persists seek help and advice from a qualified engineer.

- **ALL 08**
  Seek help and advice from a qualified engineer.

- **ALL 09**
  If the boiler detects inadequate system water circulation. The boiler will stop and display AL 09. Ensure that at least one radiator is turned on and that all isolation valves are open. If the problem persists it could be due to a blocked filter within the boiler, seek help from a qualified engineer.

- **ALL 10**
  Seek help and advice from a qualified engineer.

- **ALL 13** (fig. 27/e)
  Press the key of the controls (2) to re-start the boiler. If the error persists seek help and advice from a qualified engineer.

- **ALL 14**
  Seek help and advice from a qualified engineer.

- **ALL 15**
  Seek help and advice from a qualified engineer.

- From "ALL 20" to "ALL 29"
  Request assistance from qualified technical personnel.

1.5 MINIMUM CLEARANCES

The following MINIMUM CLEARANCES must be available for servicing the appliance:

<table>
<thead>
<tr>
<th>For servicing</th>
<th>300 mm</th>
<th>15 mm</th>
<th>15 mm</th>
<th>200 mm</th>
<th>500 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABOVE THE APPLIANCE CASING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT THE R.H.S.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AT THE L.H.S.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BELOW THE APPLIANCE CASING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IN FRONT OF THE APPLIANCE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.6 ROUTINE SERVICING

To ensure continued efficient operation of the appliance, it is recommended that it is checked and serviced as
necessary at regular intervals. This is also a condition of the boiler warranty. The frequency of servicing will depend upon the particular installation conditions and usage but at least once a year. It is the law that any service work must be carried out by a Gas Safe Registered Engineer.

1.7 ELECTRICAL SUPPLY

THIS APPLIANCE MUST BE EARTHED. The mains supply must be fused at 3 amp.

1.8 VENTILATION

If the appliance is installed in a cabinet, the cabinet MUST NOT be used for storage purposes. Any ventilation provided for the appliance during installation MUST NOT be blocked and a periodic check must be made to ensure that the vents are free from obstructions.

1.8.1 Cleaning

Use only a damp cloth and mild detergent to clean the appliance outer casing. DO NOT use abrasive cleaners.

1.9 SAFETY

It is essential that the instructions in this booklet are strictly followed for the safe and economical operation of this appliance. The appliance functions as a fan assisted balanced flue unit. The flue terminal MUST NOT BE OBSTRUCTED under any circumstances.

If damaged, turn off the appliance and consult the installer; service engineer; or gas supplier.

If it is known or suspected that a fault exists on the appliance it MUST NOT be used until the fault has been rectified by a competent person.

WARNING:

IF A GAS LEAK IS SUSPECTED OR EXISTS, TURN OFF THE GAS SUPPLY TO THE APPLIANCE AT THE GAS SERVICE COCK.

DO NOT OPERATE ANY ELECTRICAL SWITCHES. DO NOT OPERATE ANY ELECTRICAL APPLIANCE.

OPEN ALL WINDOWS AND DOORS.

DO NOT SMOKE.
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 the “switching time”
The “ON” periods are set by sliding the blue tappets, adjacent to the time periods required, to the outer edge of the dial.
The tappets that remain at the centre of the dial will be the “OFF” periods.

N.B.: The smallest switching time (ON or OFF) is 15 minutes.

- To select “Timed” mode move the selector switch in the middle of the clock face to the “O” position.
- To select “Constant” mode move the selector switch in the middle of the clock face to the “I” position.
- To select “OFF” mode move the selector switch in the middle of the clock face to the “O” position.
When the selector is in the "AUTO" position, boiler functioning is automatically controlled on the basis of the temperature levels and time periods set. The second selector must be in the "RUN" position to start. The programming procedure is described below:

- **Setting the time**
  Set the selector to the “CLOCK” position. Press “h” to change the hour on the display, or “m” to change the minutes. To set the day, press the “1…7” button until the arrow is pointing to the correct day (1 = Monday… 7 = Sunday).

- **Setting the program**
  The time clock has 8 on times and 8 off times. To make it easier to use, the time clock is supplied with 3 on times and 3 off times already set for each day of the week, as shown below:

<table>
<thead>
<tr>
<th>Program</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>06:00</td>
</tr>
<tr>
<td>2</td>
<td>09:00</td>
</tr>
<tr>
<td>3</td>
<td>12:00</td>
</tr>
<tr>
<td>4</td>
<td>14:00</td>
</tr>
<tr>
<td>5</td>
<td>18:00</td>
</tr>
<tr>
<td>6</td>
<td>22:00</td>
</tr>
</tbody>
</table>

NOTE: No program is set from 7 through 17.

To select programmes other than those already set, move the selector to position “P”; “0:001” will appear on the display, in which the first three digits indicate the hour and minutes, while the fourth digit identifies the program number. Odd-numbered programs identify requests for operation (day temperature), in which case the light bulb symbol will appear on the display, while even-numbered programs identify drops in temperature (night). Use the “1…7” key to select the day of the week (from 1 to 7) or days (1 + 5, 6 - 7; 1 ÷ 6 or every day if the program is to be repeated every day of the week). Set the hour and minutes with the “h” and “m” buttons.

Press “P” to store the operation in memory and go on to the next program. Repeat the same procedure to set the remaining programs.

When finished programming, set the selector to “RUN” position.

- **Deleting one or more programs**
  The on and off time must be deleted for each program to be deleted.
  Set selector (2) to position “P”. Select the desired program with button (3), then press button (4) to delete the day setting (the triangular symbols for the days should go away). If part of the program is deleted, when you set selector (2) back to the “RUN” position an error will appear in the clock display, referring to the program which is incorrect.
  To delete all programs, put the selector in position “P” and press buttons (3) and (5) at the same time.

- **Setting the SKIP function**
  The SKIP function deactivates programs for the next day and resumes regular programming 24 hours later.
  This function is useful if you will be out all day and don’t need heating.
  To start this function, press button (7), which is active only when selector (2) is in “RUN” position.
  Once you have selected the SKIP function, it will go into effect at 0:00 of the next day for 24 hours.
  You cannot turn it off once it has started, so regular programming will not resume until 24 hours have passed.
4. Commissioning  (The Receiver and the Transmitter are pre-commissioned)

a. Turn on electrical supply to boiler and turn boiler selector to  

b. Press and hold black button on Receiver until the neon light has flashed twice.

c. Release the button and the neon light will remain illuminated.

d. Insert the batteries into the Transmitter - the Transmitter will immediately send signals.

e. When a signal is received from the Transmitter, the Receiver neon will go out. The radio link between the Transmitter and Receiver is now established.

Note: When in operation and an ‘ON’ signal is received the Receiver neon will illuminate continuously. When an ‘OFF’ signal is received the neon will remain off, but will flash intermittently.

5. User Instructions - see Fig. 5

Note: Panel (A) slides back to reveal quick reference user instructions (B).

a. Set Time

Slide cover (D) off the Transmitter (C).

Turn the outer dial clockwise to set the clock hands to the correct time. Ensure the time corresponds with the correct time on the 24hr dial as shown. e.g. 3.00pm = 15 not 3.

Note: Do not rotate anti-clockwise or damage may occur to the unit. Rotate the minute hand with your finger to set the exact time.

b. Set Heating ON/OFF Periods

Select the ON times by pushing the tappets to the outside.

Select the OFF times by pushing the tappets to the inside.

Fig. 6 shows the clock set as follows:

ON  3.00pm to 10.00pm  (15-22)
OFF  10.00pm to 5.00am  (22-5)
ON  5.00am to 8.00am  (5-8)
OFF  8.00am to 3.00pm  (8-15)

c. Set Maximum/Minimum Room Temperatures

Maximum setting - Rotate the Maximum dial (see Fig. 5) to give the required room temperature upt0 30°C when heating is on.

Minimum setting - Rotate the Minimum dial (see Fig. 5) to a lower temperature down to 5°C to ensure that when the heating is off a minimum room temperature is maintained.

d. Manual Switch - see Fig. 6

The clock has a manual heating ON/OFF switch which operates as follows:

TIMED position - Heating On/Off as set by tappets.
MAX position - Heating On continuously.
MIN position - Heating Off, but a minimum set room temperature is maintained.
4. Commissioning  (The Receiver and the Transmitter are pre-commissioned)

a. Turn on electrical supply to boiler and turn boiler selector to 

b. Press and hold black button on Receiver until the neon light has flashed twice.
c. Release the button and the neon light will remain illuminated.
d. Press and hold the top and bottom button on the Transmitter at the same time until
   **Ed 01** is displayed. Then press **OK**
e. Then, **Fu on** (flashing) is displayed. Then press **OK**
f. The symbol **Ps** will flash on the Transmitter display approximately every 5 seconds. The
   transmitter is now in continuous radio operation.
g. When a signal is received from the Transmitter, the Receiver neon will go out. The radio link
   between the Transmitter and Receiver is now established.
h. Press the **Selector button** or **OK** to return to normal operation.

**Note:** When in operation and an 'ON' signal is received the Receiver neon will illuminate continuously.
When an 'OFF' signal is received the neon will flash intermittently.

5. User Instructions - see Fig. 5

a. Set Time  
Press the **Menu** button until flashing **•** is displayed
Press the **–/+** buttons to set current HR, then press **OK**
Press the **–/+** buttons to set current MIN, then press **OK**
Press the **–/+** buttons to set current DAY (1 = Monday, 7 = Sunday), then press **OK**

b. Set Maximum Room Temperature
Press the **Menu** button until flashing **•** is displayed
Press the **–/+** buttons to select the required maximum room temperature, then press **OK**

c. Set Minimum Room Temperature
Press the **Menu** button until flashing **•** is displayed
Press the **–/+** buttons to select the required minimum room temperature, then press **OK**

d. Set Heating Programme
Press the **Menu** button until a flashing P1, P2, P3, P4 or Pd is displayed
P1 - ON between 7am and 11pm
P2 - ON between 6am and 9am then 5pm and 10pm
P3 - ON for 24hrs
P4 - OFF for 24hrs except when the minimum room temperature is reached, when it will come on
Pd - Daily programmes can be set individually

**Note:** Programmes P1 to P4 cannot be changed.
If selecting a programme between P1 and P4 press the **–/+** buttons until the programme
required is displayed, then press **OK** for each day.
To set a Pd programme, press the **–** button for OFF periods and press the **+** button for ON
periods, then press **OK**. Repeat for each day.
INSTRUCTIONS FOR CR 73 - Code 8092226

Operating Instructions

You want to change the heating periods

1. The heating program can be changed with setting lines 1) to 16. To set a time switch program, always preselect the 7-day block or an individual day. Then, set the switching times of the heating periods (minimum 3) for the selected weekday (start / end).

- Select the line
- Display (see text)
- Make the setting
- Value (example)
- Prop
- 10 / Day
- 00:00
- 2001

You want to set the time of day or the date

- Select the line
- Display (see text)
- Make the setting
- Value (example)
- Prop
- 1 / Time
- 13:45
- Prop
- 2 / Date
- 09 Jan
- Prop
- 3 / Year
- 2001

You want to change the heating modes of operation

- After opening the cover, you can select the heating circuit's operating mode by pressing the button at top right.

Automatic mode
- In automatic mode, the room temperature is controlled according to the selected heating periods.

Continuous mode
- Continuous operation maintains the room temperature at the level selected with the setting knob.

You want to change d.h.w. heating

- D.h.w. heating can be switched on or off by pressing the button at top left.

You want to switch on the heating

1. Turn on the main switch;
2. Set the correct time of day, date, and year;
3. Select automatic mode.

You want to set the time of day or the date

- Select the line
- Display (see text)
- Make the setting
- Value (example)
- Prop
- 1 / Time
- 13:45
- Prop
- 2 / Date
- 09 Jan
- Prop
- 3 / Year
- 2001

You want to change the heating periods

1. The heating program can be changed with setting lines 1) to 16. To set a time switch program, always preselect the 7-day block or an individual day. Then, set the switching times of the heating periods (minimum 3) for the selected weekday (start / end).

- Select the line
- Display (see text)
- Make the setting
- Value (example)
- Prop
- 10 / Day
- 00:00
- 2001

2. Set the switching points for the preselected weekdays:

- Select the line
- Display (see text)
- Set the time of the first heating period
- Value (example)
- Prop
- 11 / 1. Start
- 06:00
- Prop
- 12 / 1. End
- 11:00

3. Proceed in the same way to make the settings for the other 2 heating periods (setting times 13 to 16).

Is there a second heating circuit? That heating program can be changed with setting lines 20 to 26.

The d.h.w. is too hot or too cold

- Select the line
- Display (see text)
- Adjust the temperature
- Value (example)
- Prop
- 7 / D.H.W. temperature
- 60 °C

You want to enter a holiday period

- You can enter a holiday period. At the start of the holiday period, the room unit will switch to the reduced mode. On completion of the holiday period, the unit will be deselected.

You want to display the settings in another language

- Information can be displayed in different languages.

You want to change the display language

- Select the line
- Display (see text)
- Select the language
- Value (example)
- Prop
- 47 / Language
- 00

Meaning of the following information

- By pressing the info button, you can query a number of values.
  - Each time the button is pressed, a new value is displayed (e.g., the current room temperature).
  - The display also contains symbols. They indicate the current operating state. If one of them appears, the relevant state is active.
  - Nominal room temperature (setting knob)
  - Reduced room temperature
  - Frost protection temperature
  - Fault preset
  - Flashes when there is a fault or maintenance message

Your heating system does not operate as required

- Check the fault or maintenance message by pressing the Info button once. The display will show an error code; contact your heating engineer and give him the error code.

Do you know these energy-saving tips?

- During the day, do not allow room temperatures to exceed 21 °C.
- Air rooms for short periods of time only, with the windows fully open.
- In unoccupied rooms, set the thermostat radiator valves to their frost protection position.
- Make certain the radiation is not covered by curtains, furniture, etc.

Note for more information, please refer to the detailed documentation of your heating system.