



PLEASE LEAVE THIS INSTRUCTION
WITH THE USER

MURELLE EV HE

User instructions



Code Of Practice

For the installation, commissioning and servicing
of domestic heating and hot water products

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 in the use and maintenance section 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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Murelle EV HE 12 System: Gas Council number 41-283-12

Murelle EV HE 20 System: Gas Council number 41-283-13

Murelle EV HE 25 System: Gas Council number 41-283-14

Murelle EV HE 30 System: Gas Council number 41-283-15

Murelle EV HE 35 System: Gas Council number 41-283-16

Murelle EV HE 12 T Gas Council number 41-283-19

Murelle EV HE 20 T: Gas Council number 41-283-20

Murelle EV HE 25 T: Gas Council number 41-283-21

Murelle EV HE 30 T: Gas Council number 41-283-22

Murelle EV HE 35 T: Gas Council number 41-283-23

Murelle EV HE 25: Gas Council number 47-283-17

Murelle EV HE 30: Gas Council number 47-283-18

Murelle EV HE 35: Gas Council number 47-283-19

These appliances comply with the S.E.D.B.U.K. scheme, band "A"

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 BE
RECORDED ON THE CHECK LIST.**

**YOU CAN CHECK YOUR INSTALLER IS GAS SAFE
REGISTERED BY CALLING ON 0800 408 5577**

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" family is a fully automatic, wall mounted, room sealed, fan assisted range of combination boilers. When operating in winter mode, the appliance provides central heating as required and produces instantaneous hot water upon demand.

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

The Sime "MURELLE EV HE SYSTEM" family is a fully automatic, wall mounted, room sealed, fan assisted range of system boilers. The appliance provides central heating as required.

The Sime "MURELLE EV HE T" family is a fully automatic, wall mounted, room sealed, fan assisted range of system boilers. The boiler is fitted with a diverter valve which enables the boiler to be directly connected to a hot water cylinder.

1.2 APPLIANCE OPERATION

"EV HE" - a demand of hot water will be sensed by the appliance detecting water flow [providing that the flow rate is above 2 l/m - 0.5 gal/min].

The fan will start and the burner will light at full output. If the draw off rate is near the maximum design flow rate the appliance will run continuously at full output until a tap is either turned off or the flow rate is reduced in which case the heat output will reduce accordingly to maintain a steady temperature. Hot water is made available almost immediately at the appliance outlet, but the final temperature and time taken for the hot water to reach a tap depends upon the potentiometer setting, the rate at which water is drawn off, and the length of the pipe between the boiler and the tap. When the tap is turned off, the appliance will revert to C.H. mode (if set on winter position) otherwise the burner will be extinguished pending the next demand for hot water.

"EV HE", "EV HE System" & "EV HE T" - a demand for heating will be sensed by the boiler. The pump will start, and provide sufficient circulation is detected, the fan will start and the burner will light. The heat output will be controlled by the heating sensor and the user interface control.

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

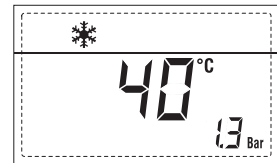
the boiler again, adhere strictly to the following instructions: open the gas tap to allow the flow of the fuel.

Move the main switch of the system to "ON". When fuel is fed to the boiler, a sequence of checks will be carried out and the display shows the normal condition of the functioning, always indicating the pressure of the system. If the blue luminous bar is on, this indicates the presence of voltage.

N.B.: To the first pressure the keys of the controls (2) the display is illuminated, to the successive pressure the operation modality is active.

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 in the figure.



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 in the figure.

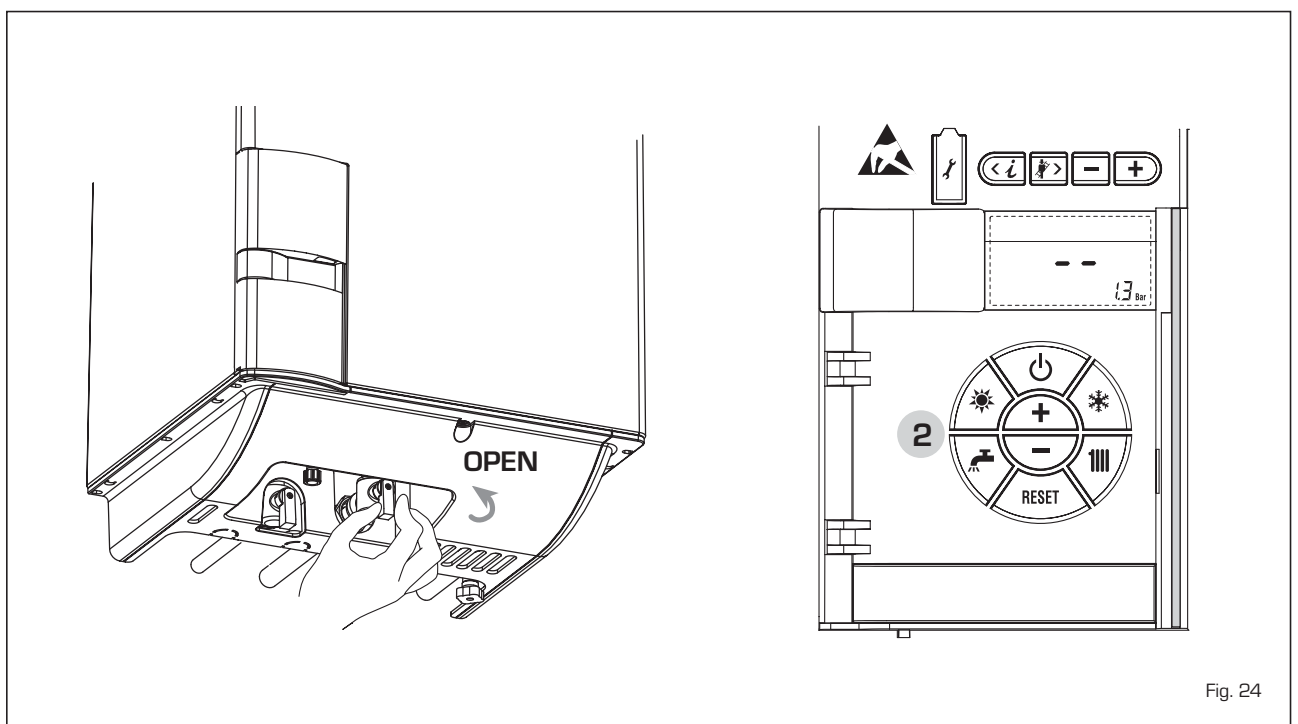
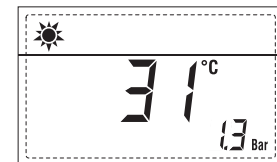






Fig. 24

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

To set the temperature of the water for heating, press the key  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 of second zone fitted is selected. The display will be as shown in the figure. Change the values with the key  and .

Standard visualisation will return to the display by pressing the key  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 D.H.W., press the key  of the controls (pos. 2). The display will be as shown in the figure.

Change the values with the key  and .

The display will return to the standard visualisation 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 tap and, if low temperatures are expected, to completely empty the hydraulic circuits to avoid pipes being broken by the formation of ice in the pipes.

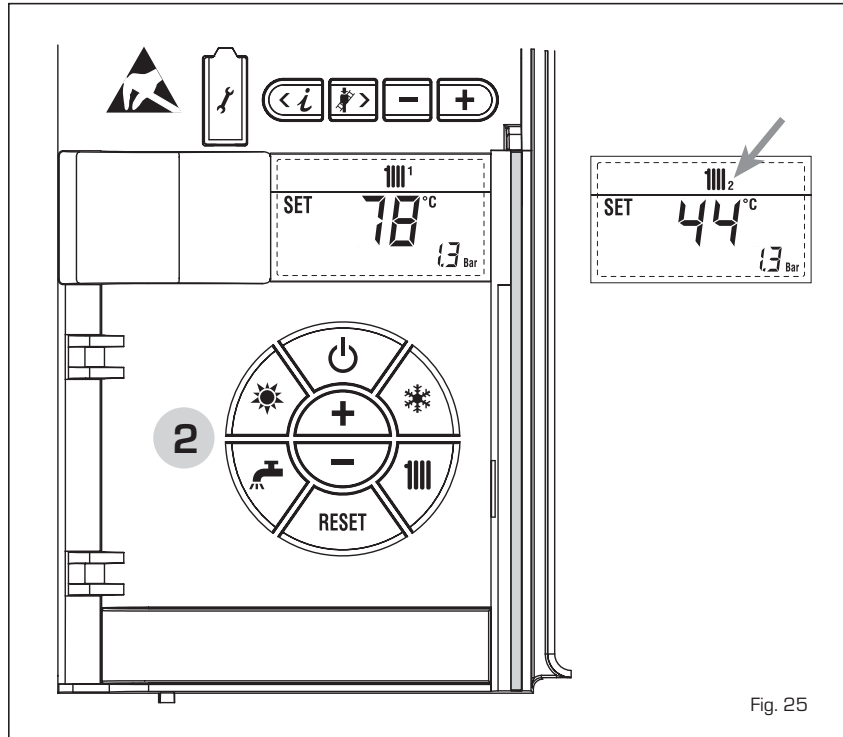


Fig. 25

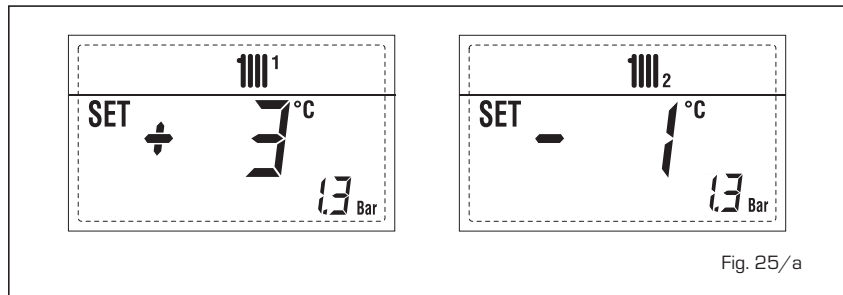


Fig. 25/a

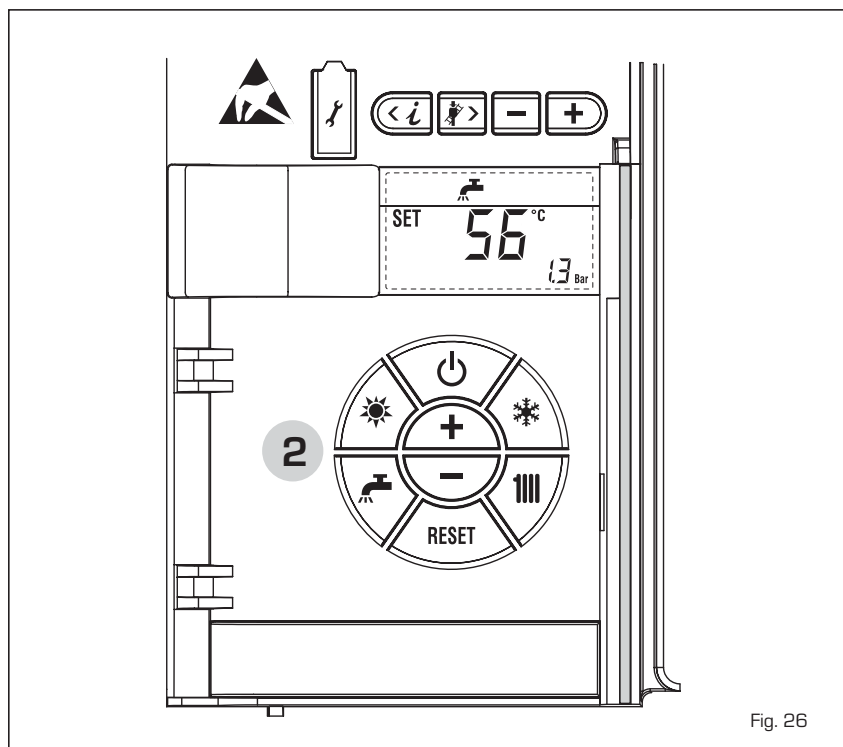


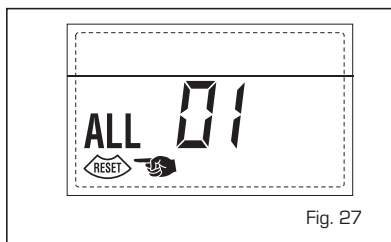
Fig. 26

1.4 ERRORS AND SOLUTIONS

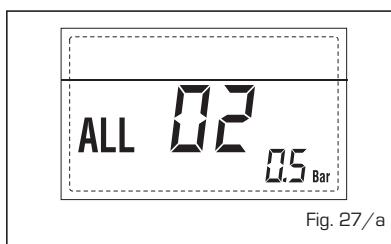
When there is a functioning error, the display shows an alarm and the blue luminous bar becomes red.

Descriptions of the errors with the relative alarms and solutions are given below:

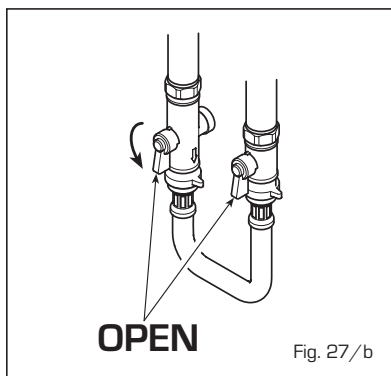
- **ALL 01** (fig. 27)
Seek help and advice from a qualified engineer.




- **ALL 02** (fig. 27/a)
If the system 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.

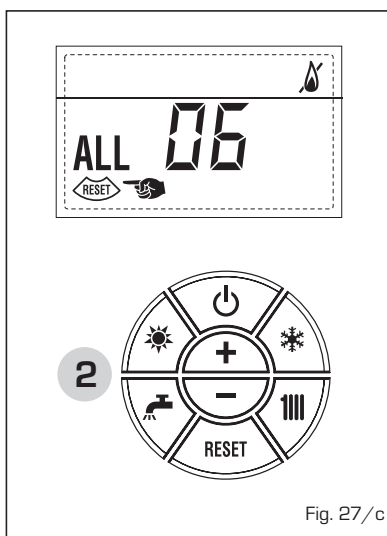



- **ALL 03**
The system pressure detected is more than 2.8 bar. Ensure that the filling loop is turned off and the pipe detached. Lower the system pressure by draining from a radiator. If problem persists seek help from a qualified engineer.

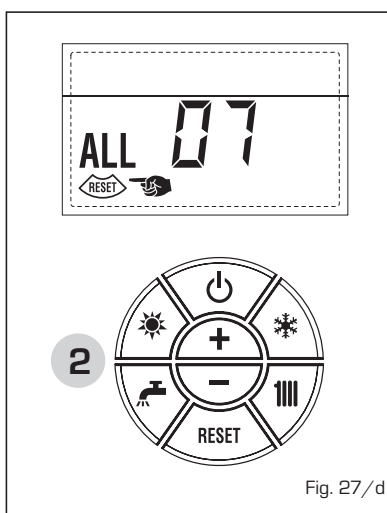


- **ALL 04**
Seek help and advice from a qualified engineer.
- **ALL 05**
Seek help and advice from a qualified engineer.


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

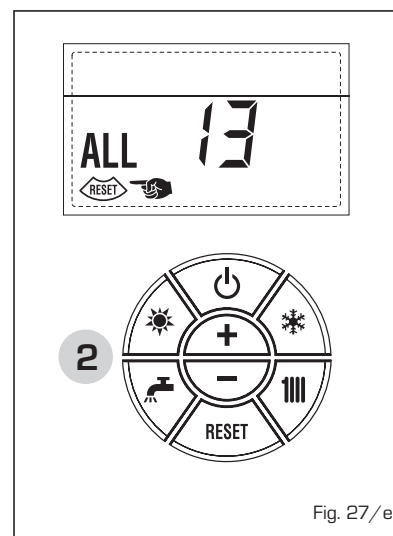


- **ALL 07** (fig. 27/d)
Press the key  of the controls (2) to re-start the boiler.
If the error persists seek help and advice from a qualified engineer.



- **ALL 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 problem persists it could be due to a blocked filter within the boiler, seek help and advice 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:

	For servicing
ABOVE THE APPLIANCE CASING	300 mm
AT THE R.H.S.	15 mm
AT THE L.H.S.	15 mm
BELOW THE APPLIANCE CASING	200 mm
IN FRONT OF THE APPLIANCE	500 mm

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.

The frequency of servicing will depend upon the particular installation conditions and usage but in general once a year should be adequate.

It is the law that any service work must be carried out by a Gas Safe Register registered engineer. Ensure that the service is

recorded in the installation guide use and maintenance section.

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, it 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.

EXTINGUISH ALL NAKED LIGHTS. CONTACT THE NATIONAL GAS EMERGENCY SERVICE IMMEDIATELY ON 0800111999.

MECHANICAL TIME CLOCK - Code 8092228

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.

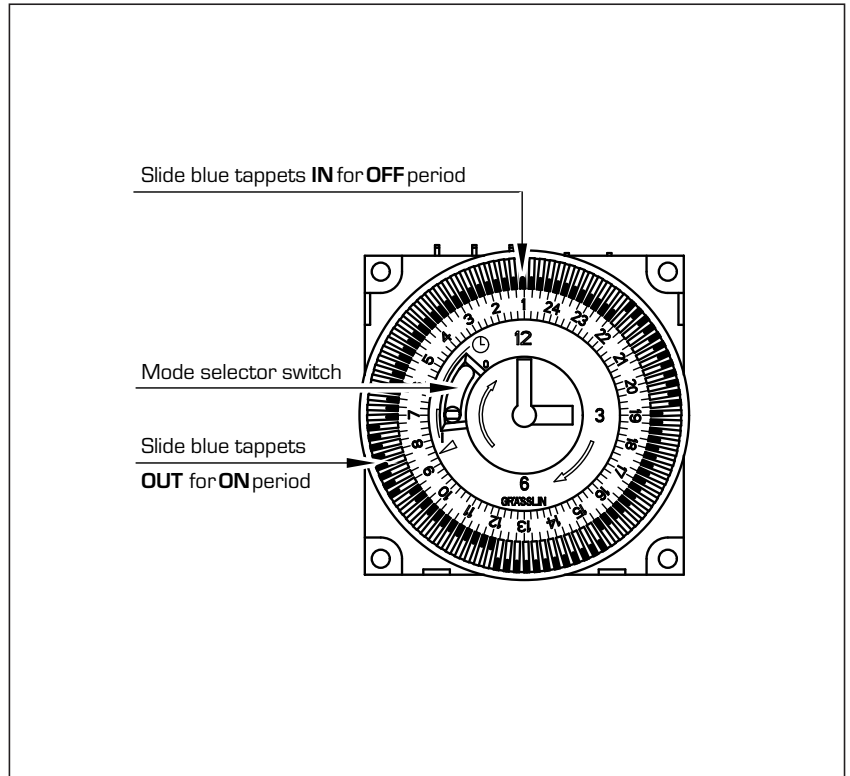
Setting the “switching time”

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 “☰” position.
- To select “**Constant**” mode move the selector switch in the middle of the clock face to the “1” position.
- To select “**OFF**” mode move the selector switch in the middle of the clock face to the “0” position.

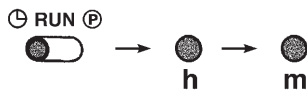


DIGITAL TIME CLOCK - Code 8092229

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

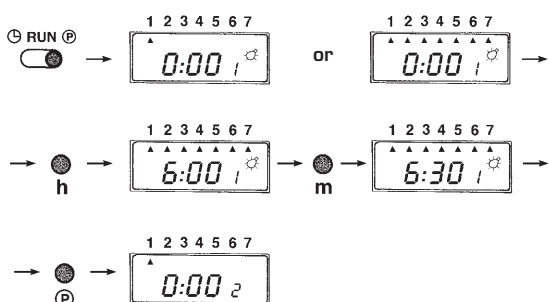
The time clock has 8 on times and 8 off times. To make it easier to use, the time clock is supplied with 3 on times and 3 off times already set for each day of the week, as shown below:

Program	Time
1	06,00
2	09,00
3	12,00
4	14,00
5	18,00
6	22,00

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

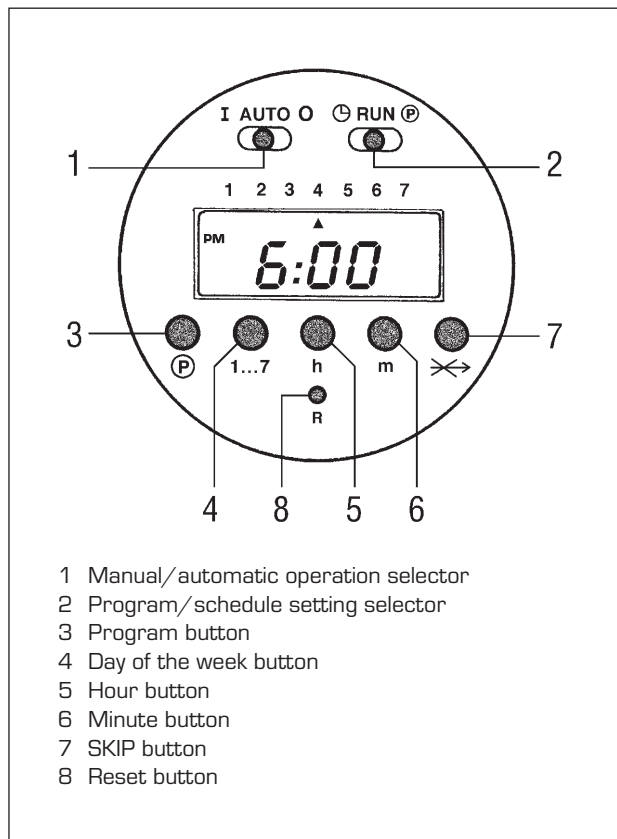
The SKIP function deactivates programs for the next day and resumes regular programming 24 hours later.

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.



ANALOGIC RF TIME PROGRAMMER - Code 8092231

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.

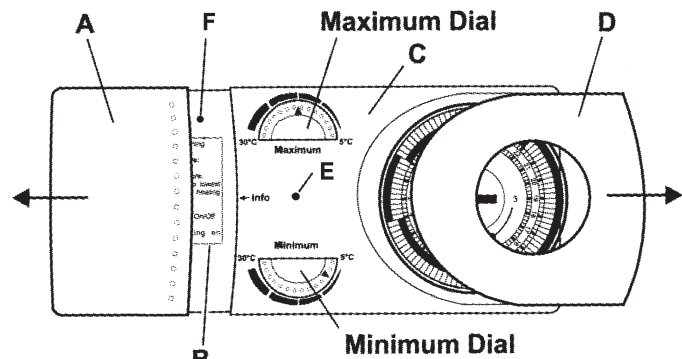


Fig. 5

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) |

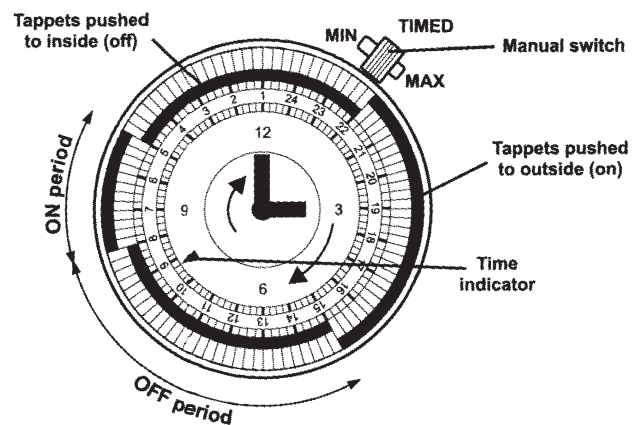


Fig. 6

c. Set Maximum/Minimum Room Temperatures

Maximum setting - Rotate the Maximum dial (see Fig. 5) to give the required room temperature upto 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.

DIGITAL RF TIME PROGRAMMER - Code 8092232











4. Commissioning (The Receiver and the Transmitter are pre-commissioned)

- Turn on electrical supply to boiler and turn boiler selector to 
- Press and hold black button on Receiver until the neon light has flashed twice.
- Release the button and the neon light will remain illuminated.
- Press and hold the top and bottom button on the Transmitter at the same time until Ed 01 is displayed. Then press 
- Then, Fu on (flashing) is displayed. Then press 
- The symbol  will flash on the Transmitter display approximately every 5 seconds. The transmitter is now in continuous radio operation.
- 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.
- Press the Selector button or  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 
- Press the /  buttons to set current MIN, then press 
- Press the /  buttons to set current DAY (1 = Monday, 7 = Sunday), then press 

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 




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 

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  for each day.

To set a Pd programme, press the  button for **OFF** periods and press the  button for **ON** periods, then press . Repeat for each day.

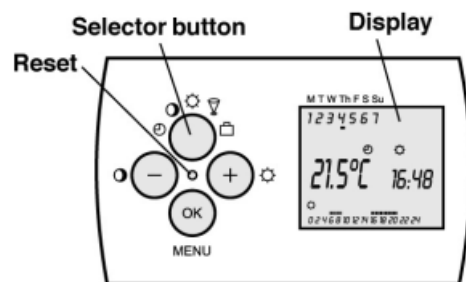


Fig. 5



Sime Ltd

1a Blue Ridge Park
Thunderhead Ridge
Glasshoughton, Castleford, WF10 4UA

Phone: 0845 9011114

Fax: 0845 9011115

www.sime.ltd.uk

Email: enquiries@sime.ltd.uk