GAS safe ™
REGISTER

199838

Dewy 30/130 HE FS

User instructions

benchmark
COLLECTIVE MARK
THE MARK OF QUALITY FOR THE INSTALLATION, COMMISSIONING AND SERVICING OF DOMESTIC HEATING AND HOT WATER SYSTEMS

Please read the Important Notice within this guide regarding your boiler warranty

WRAS APPROVED PRODUCT

sime ®

IMPORTANT NOTICE

For the first year all of our appliances are protected by our manufacturer's guarantee which covers both parts and labour.
As you would expect from Sime Ltd, it is our aim to provide our valued customers with the best in after sales and service.
To take advantage of any extended warranty offered, all you have to do is to adhere to these 3 simple conditions:

•   The installation must be carried out to Manufacturers/Benchmark Standards by a Gas Safe Registered Engineer, and recorded in the installation manual.

•   The appliance must be registered with both Sime Ltd and Gas Safe within 30 days of installation.

•   The appliance must be serviced annually, by either Sime Ltd or a Gas Safe registered engineer- ensuring that the Benchmark service record in the installation manual is completed.

Failure to comply with the above will result in only the 12 month warranty being offered.
In the absence of any proof of purchase, the 12 month warranty period will commence from the date of manufacture of the boiler as shown on the appliance data plate.

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.

benchmark
COLLECTIVE MARK

THE MARK OF QUALITY FOR THE INSTALLATION, COMMISSIONING
AND SERVICING OF DOMESTIC HEATING AND HOT WATER SYSTEMS

*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 complyng 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.

CONTENTS

CE IPX4D

Dewy 30/130 HE FS:

Gas Council number 47-283-05

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

LIGHTING AND OPERATION

BOILER IGNITION (fig. 1)

Ensure the gas supply is turned on lower the control panel cover and activate the boiler by rotating the selector knob to the summer positio (☀).
The lighting-up of the green led (ⓘ) will indicate that the apparatus is switched-on and ready.

– With the rotary switch in the summer position (☀) the boiler will start-up upon demand for domestic hot water, and run at full power to reach the selected temperature.
   The gas feeding pressure will then automatically vary to ensure that the required temperature is kept constant.

– With the rotary switch in the winter position (❄) once the boiler has reached the value set on the heating potentiometer, it will start to modulate in automatically in order to supply the required power output to the system.
   The operation of the boiler will be stopped through the intervention of the thermostat or "Logica Remote Control".

TEMPERATURES ADJUSTMENT (fig. 2)

– The D.H.W. temperature can be adjusted by turning the knob of the D.H.W. potentiometer (🚰).
   When there is a demand for hot water the yellow led (🚰) lights-up. When there is no request for heating or D.H.W. production (the leds ∭ and 🚰 are off), the tank unit maintenance temperature will appear on the red led scale 35÷80°C.
– The C.H. temperature can be adjusted by turning the knob of the C.H. potentiometer (∭).
   The set temperature is indicated on the red led scale from 35÷80°C and the yellow heating led lights up at the same time (∭). If the temperature of the blackflow water is lower than around 55° C, condensation of the combustion by-products is obtained, further increasing the efficency of thew thermal exchange.

TURNING THE BOILER OFF (fig. 1)

To turn the boiler off place the selector knob on the **OFF** position. If the boiler is not going to be used for a lengthy period it is advised to turn off the electricity supply, close the gas cock, and if the temperatures foreseen are low, empty the boiler and the hydraulic system to avoid frost damage.

GAS CONVERSION

Should it be necessary to convert the appliance to a different gas from the one for which the boiler has been equipped, approach the technical staff.

CLEANING AND MAINTENANCE

Preventive maintenance and checking of the efficient operation of the equipment and safety devices must be carried out exclusively by the authorized technical staff. The boiler is supplied with an electric cable.
Should this require replacement, contact exclusively with the authorized technical staff.
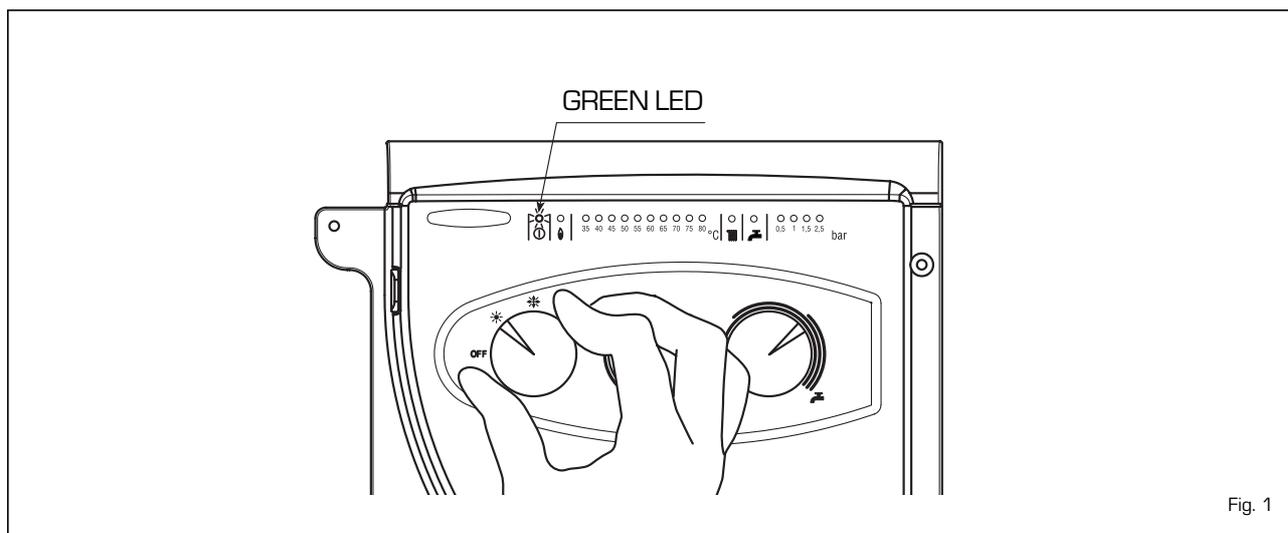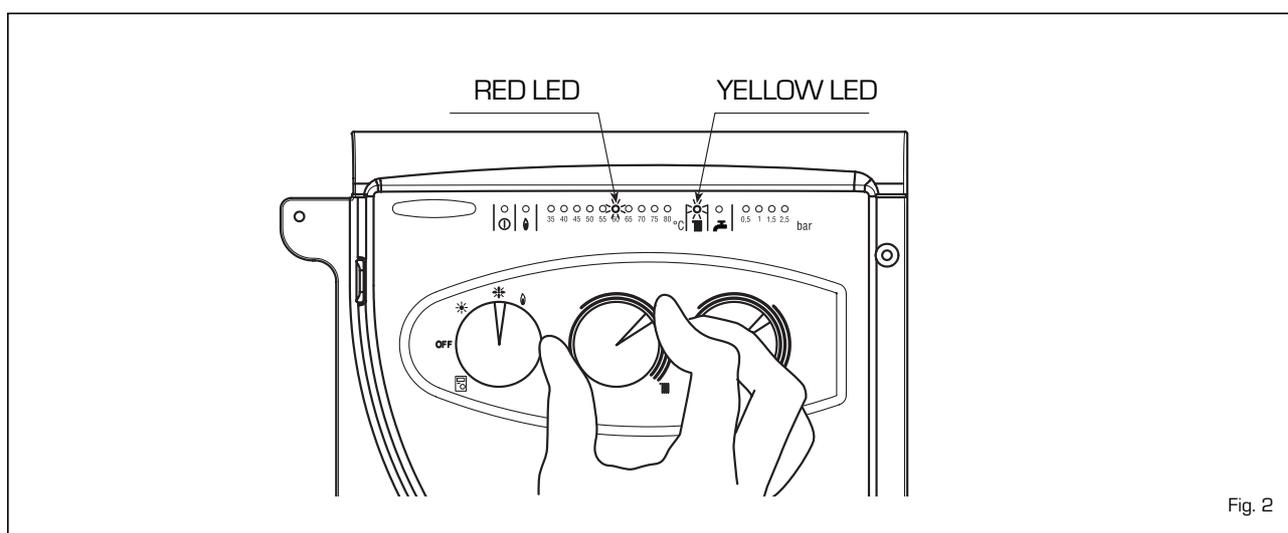

GREEN LED

Fig. 1

RED LED   YELLOW LED

Fig. 2

FAULT FINDING

– **Ignition lock-out** (fig. 3)
If the burners do not ignite, the red led will light-up (▮).
To attempt a boiler restart, rotate the selector knob to position (▮) and release it immediately, placing it in the summer (☀) or winter (❄)operation position.
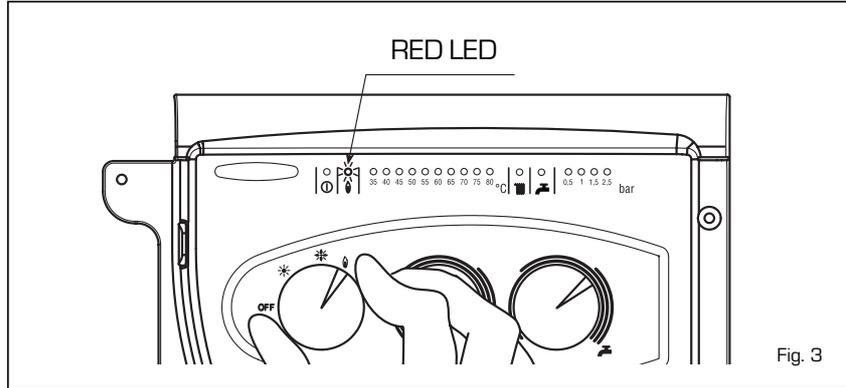**If the boiler lock-out re-occurs, contact an authorised Service Centre.**

RED LED

Fig. 3

– **Insufficient water pressure** (fig. 4)
If the red **"0.5"** bar led starts flashing, the boiler will not function.
To restore functioning fill the system until the green **"1 bar"** led lights up.
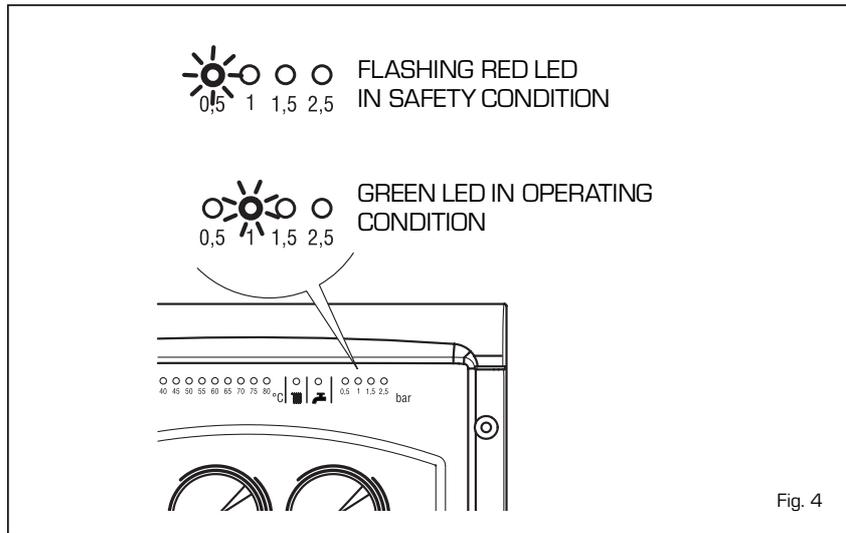If all the leds are off, call the local authorised technical staff.

FLASHING RED LED IN SAFETY CONDITION

GREEN LED IN OPERATING CONDITION

Fig. 4

– **Safety stat trip** (fig. 5)
If the safety thermostat trips, the red **"35°C"** led will start flashing. In order to attempt a boiler restart, rotate the selector knob to position (▮) and release immediately, returning it to the summer (☀) or winter (❄) position.
If the boiler lock-out occurs again, call local authorised staff for assistance.
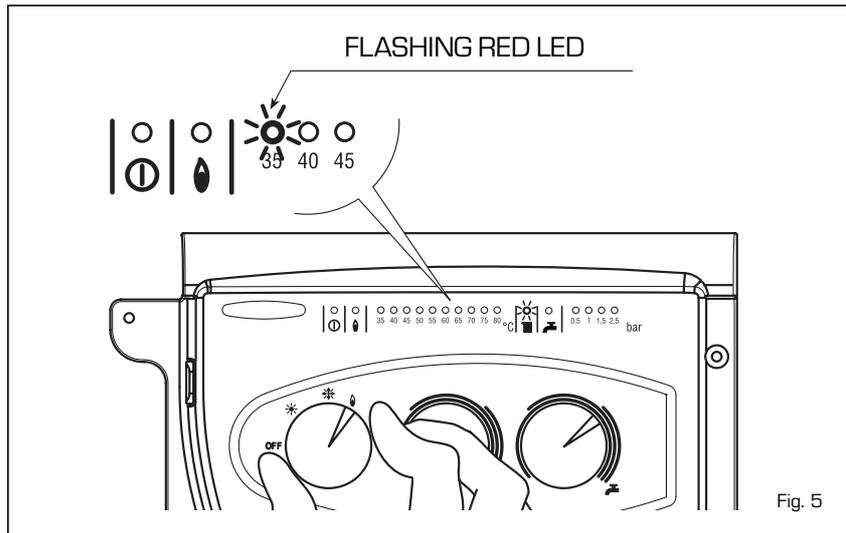

FLASHING RED LED

Fig. 5

– **Other anomalies** (fig. 6)
When one of the red **"40÷80°C"** leds start flashing, switch-off the boiler and then try to ignite again.
After 2 or 3 unsuccessful attempts, do not try again but call authorised technical staff.
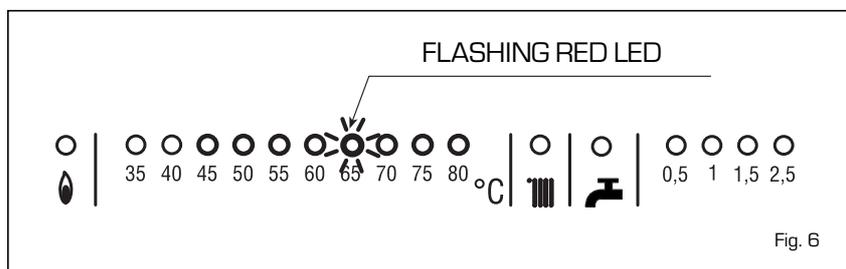

FLASHING RED LED

Fig. 6

TIME PROGRAMMER

DIGITAL TIME CLOCK INSTRUCTIONS

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 "🕐" 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).
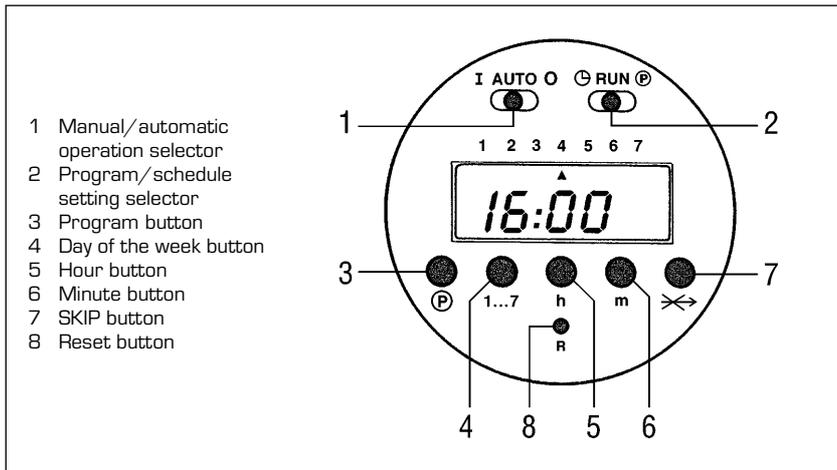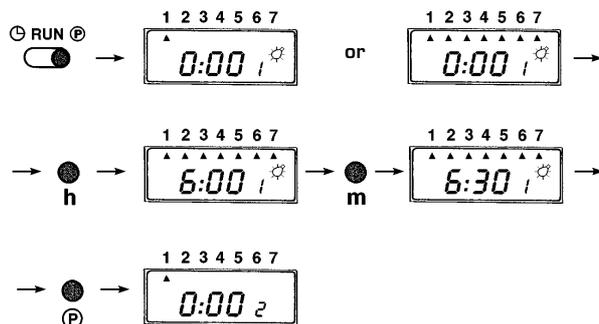
1 Manual/automatic operation selector
2 Program/schedule setting selector
3 Program button
4 Day of the week button
5 Hour button
6 Minute button
7 SKIP button
8 Reset button

- **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	Operating mode
1	06,00	ON
2	09,00	OFF
3	12,00	ON
4	14,00	OFF
5	18,00	ON
6	22,00	OFF

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.

LOGICA REMOTE CONTROL

When **"DEWY"** is connected to the "Logica Remote Control" regulator, the selector CR/OFF/SUM/WIN/UNBLOCK must be placed in the position (🔲); the knobs of the hot-water service heating potentiometers do not have any effect and all of the functions will be managed by the regulator (fig. 7).
If the "Logica Remote Control" breaks down, the boiler will function by placing the selector on the (☀ o ❄), position, obviously without consequent control of the room temperature.

The functioning instructions are inside the lid (fig. 8). Every settimg or modifications is displayed and confirmed on the display (fig. 9).
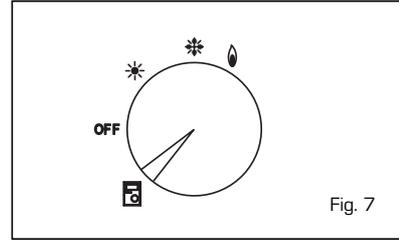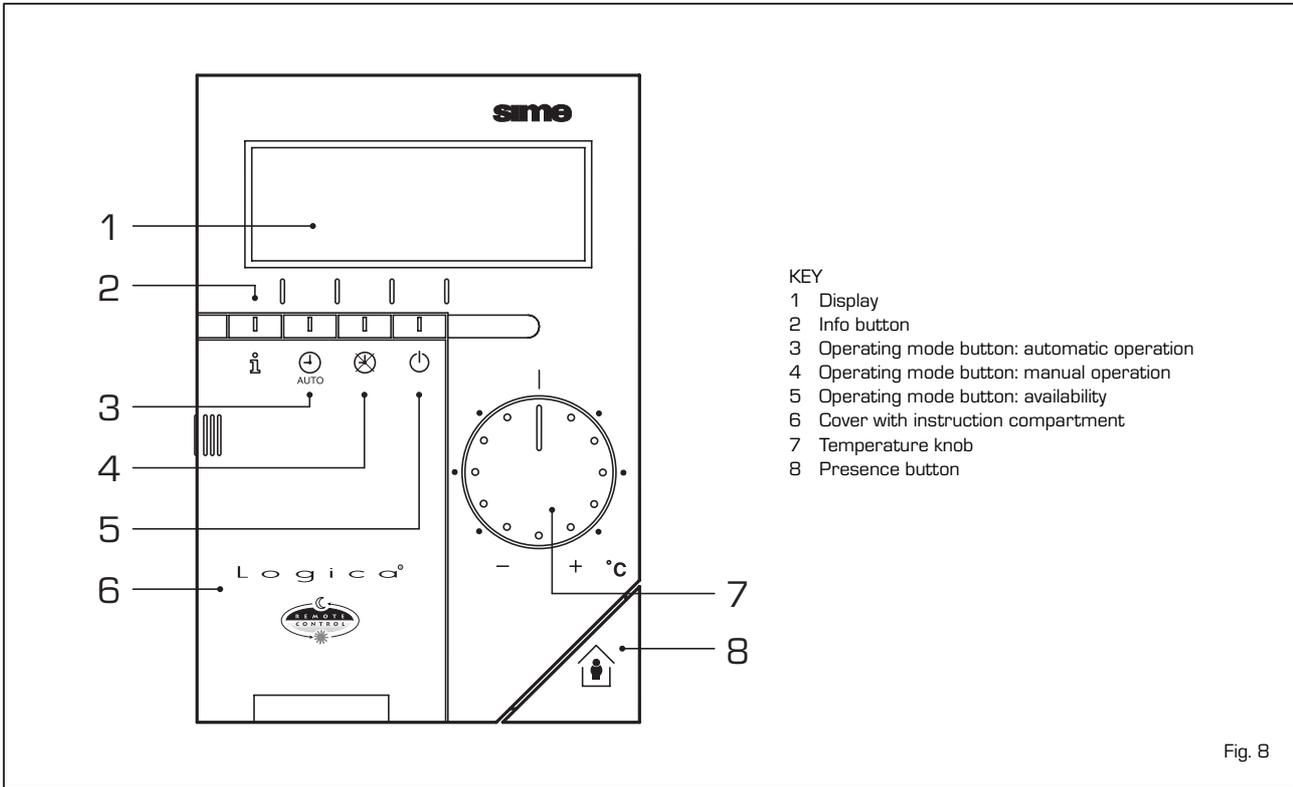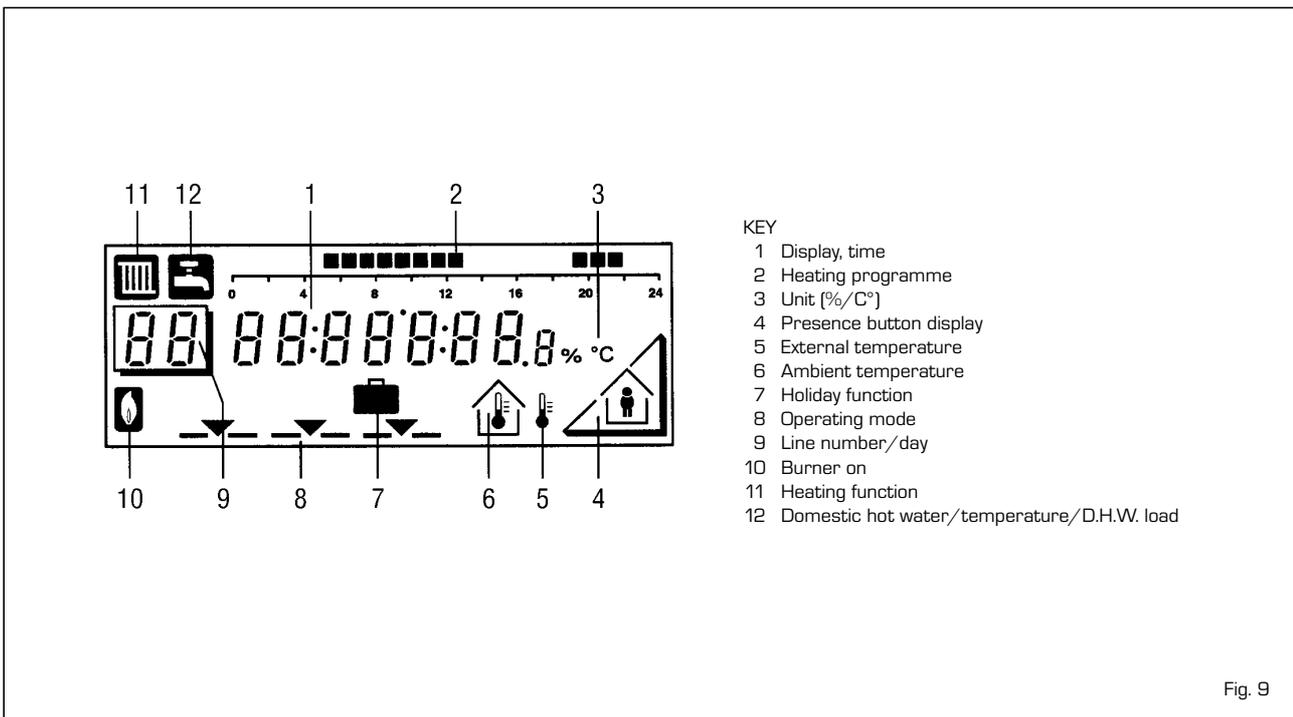
Fig. 7

KEY
1 Display
2 Info button
3 Operating mode button: automatic operation
4 Operating mode button: manual operation
5 Operating mode button: availability
6 Cover with instruction compartment
7 Temperature knob
8 Presence button

Fig. 8

KEY
 1 Display, time
 2 Heating programme
 3 Unit (%/C°)
 4 Presence button display
 5 External temperature
 6 Ambient temperature
 7 Holiday function
 8 Operating mode
 9 Line number/day
10 Burner on
11 Heating function
12 Domestic hot water/temperature/D.H.W. load

Fig. 9

During functioning the lid of the regulator must be closed.

– **Selection of the operating mode**
  (reference keys grey colour)
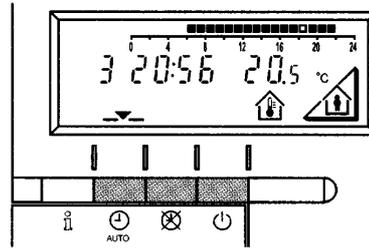
The operating mode desired is selected by pressing the relative key with the corresponding symbol. The choice is displayed with the symbol ▼

Automatic functioning: the heating functions automatically according to the heating programme entered. The programme may be excluded for brief periods with the on-line key.
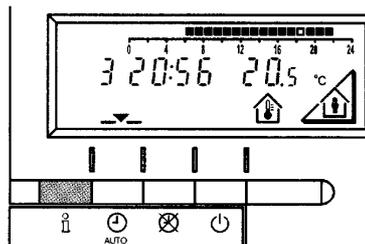
Manual functioning: the heating functions manually according to the choice made with the on-line key.

Availability: the heating is deactivated.

– **Info key**
  (reference key grey colour)

For every operation of the Info key the following list of items, one after the other, are displayed. The thermo-feeler continues to function independently of the display.

Day, hour, room temperature

External temperature*

Hot-water service temperature*

* This data appear only if the relative feeler is connected or if they are transmitted by the regulator of the boiler.

– **Adjusting the temperature**

Before adjusting the temperature of the regulator, the thermostatic valves, which may be present, have to be regulated to the desired temperature.
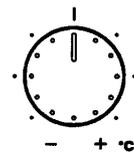
If it is too hot or too cold in your apartment, you can easily adjust the fixed temperature with the temperature knob.

If you turn the knob towards the + sign, the fixed temperature is increased by about 1 °C for every notch.
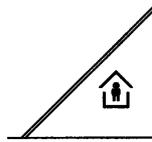
If you turn the knob towards the - sign, the fixed temperature is decreased by about 1 °C for every notch.

Before adjusting it again, however, allow the temperature to stabilise first.

Note: With the temperature knob you can only adjust the fixed temperature, whilst the reduced temperature remains the same.

– **On-line key**

If the rooms remain unused for a long period of time, the temperature can be reduced with the on-line key, in this way saving energy. When the rooms are occupied again, press the on-line key to re-heat them. The current choice is displayed on the display:

Fixed temperature heating

Reduced temperature heating

NOTA: The choice made will work in a permanent way when manually ⊗, carried out, instead, if automatic 🕐 it will work up to the next switching according to the heating programme.
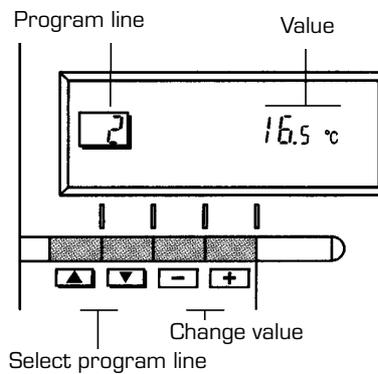
PROGRAMMING

For the programming the lid of the regulator must be open.

You can set or display the following values:

- Temperatures   `1` up to `3`
- Heating programme   `4` up to `11`
- Day of the week and hour   `12` up to `14`
- Current values   `15` up to `17`
- Vacation period   `18`
- Return to the default values   `19`

Program line   Value

`2`   *16.5* ℃

▲ ▼ – +

Select program line   Change value

As soon as the cover is open, the display and the key functions are switched on.
The number in the square represents the programme lines that may selected with the arrow keys.

– **Temperature regulation**

Before proceeding with the adjustment in the temperature on the regulator, the thermostatic valves, which may be present, have to be regulated to the desired temperature.

In automatic mode, the apparatus switches from the fixed temperature to the reduced temperature according to the temporal programme. The manual switching of the temperature is done manually with the on-line key.

`1` Fixed temperature:
temperature when the rooms are occupied
(basic setting)

`2` Reduced temperature:
temperature during periods of absence or night

`3` Hot-water service temperature:
– comfort temperature of the hot-water service
– comfort temperature of the hot-water service
(with storage capacity boiler unit)

`61` Reduced temperature of hot-water service (with storage capacity boiler unit):
temperature desired for hot-water service at reduced level.
To have access to the "reduced hot-water service temperature" parameter, press the ▲ and ▼ keys at the same time for at least 5 seconds and then go along the entered lines with the key ▼ until parameter 61 is reached. Regulate the value with – and +.

– **Setting the time**

`12` To set the current day of the week
(1 = Monday/7 = Sunday)

`13` To set the current hour

`14` To set the current minute
Once the hour is completed, the setting of the hour changes.

With + and – keys the current hour is regulated. Pressing these keys together, the regulation is speeded up in an increasing sense.

– **Heating/hot-water**
  service programme

With the heating programme it is possible to set the switching times of the temperature for a period of a week. The weekly programme consists of 7 daily programmes. One daily programme allows 3 phases of heating. Each phase is defined by a starting time and a finishing time. The n. 8 daily programme is for the hot-water service. If a phase is not required, the same starting and finishing time may be entered.
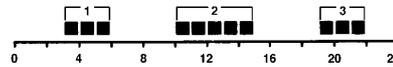
4	Select the days that correspond with the heating phase. 1= Monday, ... 7 = Sunday/8 = hot-water service programme
5	Start of phase 1: heating with fixed modality
6	End phase 1: heating with reduced modality
7	Start phase 2: heating with fixed modality
8	End phase 2: heating with reduced modality
9	Start phase 3: heating with fixed modality
10	End phase 3: heating with reduced modality
11	Copying of the daily programme

+ By pressing this key it is possible to repeat the current heating programme for the **next day**.

− By pressing this key it is possible to repeat the current heating programme for the **previous day**.

As a confirmation the following day is displayed.

– **Programme for hot-water service**
  (with storage capacity boiler unit)

With the Logic Remote Control it is possible to manage the temperature of boiler unit on two levels (a comfort level and one at reduced temperature) in accordance with the programme chosen with parameter 62 (load hot-water service). To have access to the parameter press the ▲ and ▼ keys for at least 5 seconds and then go along the entered lines with the ▼ key until parameter 62 is reached. At this point four different programmes may be selected with − o + keys, with the following characteristics:

0 = 24 hours/ day - Hot water always available at the temperature set in parameter 3.
1 = standard - Hot water according to the daily heating programme. In the comfort periods of the heating the temperature of the boiler unit is regulated at the value set via parameter 61.
2 = sservice suspended.
3 = second daily programme (8) - Everyday of the week the temperature of the hot-water service is set according to programme B. In this case the programming is one for all the days of the week and three periods of time are available. In the periods of time set, the temperature of the boiler unit is controlled via the temperature setting of parameter 61.

5	Start phase 1: preparation of the boiler unit to the comfort temperature
6	End phase 1: Temperature of boiler unit maintained at the reduced value
7	Start phase 2: Preparation of boiler unit to the comfort temperature
8	End phase 2: Temperature of boiler unit maintained at the reduced value
9	Start phase 3: preparation of boiler unit to the comfort temperature
10	End phase 3: Temperature of boiler unit maintained at the reduced value

– **Current values**

`15`   Display and setting of the gradient of the heating characteristics curve.
When the room temperature set is not reached choose the gradient
indicated in point 2.9.3

`16`   Display of the current boiler temperature.

`17`   Display of the current power of the burner and of the current operating mode
(▥ = = heating/ ▤ = hot-water service)

– **Vacation function**

`18`   To enter the number of days of absence.

In the display the vacation symbol will be shown (▪), on the left the day of activa-
tion (1 = Monday/7 = Sunday) and on the right the number of vacation days.

NOTE:

⏻   During the vacation the regulator will be on the availability mode.

🕐 **AUTO**   When the set days have elapsed, the regulator will go on to the automatic function.

The vacation period may be cancelled by pressing a key of the operating mode.

– **Default values**

`19`   To take the setting to the default values, press the `+` and `–` keys at the
same time for at least 3 seconds. As confirmation a sign will appear on the display.

ATTENTION
The values of the following line numbers previously entered will be lost.

- Temperature and time programme   `1` to `10`

- Vacation period   `18`

– Error display

Er 0	**Ignition lock-out** Rotate selector CR/OFF/EST/INV/RESET on the **"DEWY 30/130 HE FS"** control panel to the release position (♦) to reset operation (fig. 3). If the lock-out re-occurs, call an authorised Service Centre.
Er 1	**Safety thermostat trip** Rotate selector CR/OFF/EST/INV/RESET on the **"DEWY 30/130 HE FS"** control panel to the release position (♦) to reset operation (fig. 5). If the lock-out re-occurs, call an authorised Service Centre.
Er 68	**Heating sensor fault (SM)** Call an authorised Service Centre.
Er 69	**Insufficient water pressure** Restore functioning by filling the boiler.
Er 70	**Plant overpressure** Call an authorised Service Centre.
Er 192	**Safety thermostat trips** Call an authorised Service Centre.
Er 193	**The exhaust gas pressure switch trips** Call an authorised Service Centre.
Er 195	**No communication between the "Logica Remote Control" and the boiler.** Call an authorised Service Centre.
Er 199	**Flowmeter fault.** Switch-off the boiler and then try to ignite again. After 2 or 3 unsuccessful attempts, do not try again but call authorised Service Centre.

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