E Control panel

Package MA2 [Easymatic]





English

03/14/08

Instructions for use, Electrical connection, Start up





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CONFORMITY/ MARKING (€

This product complies with the requirements of the following European directives and standards:

- 73/23/EEC, Low Voltage Directive
- Corresponding standard: EN 60.335.1.
- 89.336/EEC, Electromagnetic Compatibility Directive

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Corresponding standards: EN 50.081.1 ; EN 50.082.1 ; EN 55.014.
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The boiler must be connected by a qualified professional. Strict compliance with these usage, electrical connection and start up instructions is a precondition for the correct operation of the boiler. The E control panel is used on the following De Dietrich boilers:

- GT 120 A and GT 1200 A.

1. GENERAL

1.1 Presentation

The E control panel with an Easymatic regulator to be fixed to the wall or integrated into the boiler control panel can be used for:

- automatic operation of heating when the ambient temperature has been reached

- control of heating as a function of the outside temperature.

- regulation and programing of domestic hot water production (if it is present) with or without priority

- providing a frost free room temperature if the home is empty. The duration of this period may be programed up to 99 days.

The basic delivery of the E control panel comprises

- 1 E control panel

1 Easymatic regulator with support to be installed in the chosen room or to be included in the control panel
1 boiler sensor measuring the water temperature in the boiler

- 1 external sensor

Options

The following option can be ordered:

- domestic hot water sensor (package FM 45).

1.2 Operating principle

The E control panel can be used to program and regulate the room temperature as a function of the outside temperature by controlling the burner. The boiler thermostat must be set to a sufficiently high temperature for automatic regulation to operate correctly (setting between mark 8 and 9). The safety thermostat with manual reset (adjusted to 110°C/230°F) maintains operating safety.

In the case of domestic hot water (d.h.w.) production, domestic hot water is regulated by the regulator acting on the load pump giving priority to heating of domestic hot water.

When a request is made for heating domestic hot water, the domestic hot water priority stops the burner and the d.h.w. load pump and stops the heating pump. Under summer conditions, the boiler is not kept hot between two domestic hot water loads. The domestic hot water temperature is measured by the d.h.w. sensor.

The regulator includes the possibility of a "antilegionellosis" protection.

1.3 Technical characteristics

- Electrical power supply: 120V 60 Hz
- Clock operating capacity: 2 years minimum

-	Resistance	of the	external	sensor	in	Ω	(option))
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Temperature	Resistance	Temperature	Resistance
in °C / °F	in Ohm	in °C / °F	in Ohm
- 20°C / -4°F	2 392 Ω	4°C / 39°F	984 Ω
- 16°C / 3°F	2 088 Ω	8°C / 46°F	842 Ω
- 12°C / 10°F	1 811 Ω	12°C / 54°F	720 Ω
- 8°C / 18°F	1 562 Ω	16°C / 61°F	616 Ω
4°C / 25°F	1 342 Ω	20°C / 68°F	528 Ω
0°C / 32°F	1 149 Ω	24°C / 75°F	454 Ω

- Value of water sensors in $\boldsymbol{\Omega}$

Temperature	Resistance	Temperature	Resistance
in °C / °F	in Ohm	in °C / °F	in Ohm
0°C / 32°F 10°C / 50°F 20°C / 68°F 25°C / 77°F 30°C / 86°F 40°C / 104°F	32 014 Ω 19 691 Ω 12 474 Ω 10 000 Ω 8 080 Ω 5 372 Ω	50°C / 122°F 60°C / 140°F 70°C / 158°F 80°C /176°F 90°C / 194°F	3 661 Ω 2 535 Ω 1 794 Ω 1 290 Ω 941 Ω

2. DESCRIPTION

• Control panel



A. Timed circuit breaker (6 A)

B. Safety thermostat with manual reset (Set to 110°C / 230°F)

C. Main On /Off \bigcirc switch.

Note: we recommend leaving the boiler on during the summer, particularly so that the heating pump cleaning function can remain in operation. It is preferable to use "summer" mode for the period during which the heating is to be cut off.

D. 2-position switch

AUTO : automatic operation

(manual) : forced operation

E. "Test-STB" push button

When pushed and held in, safety thermostat tests and cutoff of the heating pump.

F. Alarm light

This light is turned on when the burner is in safety (out of order)

G. Boiler thermostat

- during manual operation, adjustable from 30°C to 90°C / 86°F to 194°F (original stop at 75°C / 167°F).

- during automatic operation by the Easymatic regulator, put the thermostat to the **AUTO** position (between the 7 and 9 marks).

H. Boiler thermometer

Easymatic regulator



1. Temperature adjustment keys (green keys)

- ₩ "comfort" temperature
- 1) "low" temperature
- چت 🕽 "domestic hot water" temperature (if a hot water calorifier is connected)

Note

When one of these keys is pressed:

- the active time program corresponding to the circuit is displayed in the graphic bar

- the measured temperature is displayed at the right of the display.

2. Adjustment keys or (blue keys)

3. Operating mode selection keys (grey keys)

MODE key

To select one of the following operating modes:

AUTO : operation according to the time program Ŭ : forced operation at comfort temperature until midnight (: forced operation at reduced temperature until midnight ÷ : frost free operation during the programed time Ð : stop manual heating, production of domestic hot water only (if a calorifier is connected)

Key 🛱

To force heating of the domestic hot water tank outside the d.h.w. time program (if a calorifier is connected).

4. Time and day adjustment key

(1)

5. Key to adjust the heating program PROG

111111

6. Key to adjust the domestic hot water calorifier program

PROG ŝ

7. Programing keys

- ث⊪ write (in 1/2 hour periods) the "comfort" period or the calorifier heating allowed period (dark area)
- 2∎► write (in 1/2 hour periods) the "comfort" period or the calorifier heating not allowed period (light area)
- return to the program graphic bar
 - Simultaneously press the \Im and \Im keys (STANDARD) for 5 seconds to reinitialize programes to factory settings: heating and d.h.w. from 6 a.m. to 10 p.m.
- 8. Program display graphic bar (12 a.m. to 12 p.m.) "Comfort" periods are displayed in black bars at programed "comfort" times in the graphic bar.

3. CHOOSING THE OPERATING MODE



3.1 Automatic operation

Put the switch **D** and thermostat **G** to the **AUTO** position (between marks 7 and 9).

This position enables automatic regulation and operation by the Easymatic regulator.

3.2 "Summer" operation

Heating is automatically cut off during the summer when the outside temperature is higher than the "comfort" temperature setting for 2 hours.

The display remains identical, but the pump is perma-

nently off. The symbol \heartsuit is no longer displayed. Heating is started again when the outside temperature drops below the "comfort" temperature for 2 hours.

3.3 Manual operation

Put switch **D** to its position $(^{m})$.

This position may be selected to make the boiler setting, for example, or if there is a problem with the electronic regulation:

- the burner is put into forced operation

- the boiler temperature is no longer limited by the regulation

3.4 Telephone activated antifreeze mode

This operating mode is achieved using the Telcom 1 voice remote monitoring module option.

The display shown in the figure appears during this operating mode.

- the boiler thermostat ${\bf G}$ is used to regulate the boiler temperature

- the heating pump and the domestic hot water load pump (if there is a calorifier) are started - the display is off.



4. HEATING AND DOMESTIC HOT WATER SET TEMPERATURES



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Heating set temperature

Temperatures for "comfort" periods (dark area in the graphic bar) and for "reduced" periods (light area in the graphic bar) can be adjusted as follows:

• Select the comfort temperature 🧱 or the reduced

temperature ↓D.

• Adjust the temperature using the and keys.

Note: the graphic bar displays the heating program for the current day for the displayed circuit.

• End of setting: after the setting is completed, the normal display reappears after 2 minutes or when the **MODE** key is pressed.

Calorifier set temperature

- Select the domestic hot water temperature using the key.
- Adjust the average domestic hot water storage tem-

perature using the $\begin{tabular}{|c|c|c|c|} \hline \end{tabular}$ and $\begin{tabular}{|c|c|c|} \hline \end{tabular}$ keys.

• End of setting: after the setting is completed, the normal display reappears after 2 minutes or when the **MODE** key is pressed.

rature	Setting range	setting
Comfort I🌣	5 to 30°C / 41°F to 86°F Setting in steps of 0.5°C / 1°F using and steps	20°C / 68°F
Reduced temperature	5 to 30°C / 41°F to 86°F Setting in steps of 0.5°C / 1°F using 🖄 and 🔊	16°C / 60°F

Tempe- rature	Setting range	Factory setting
Domestic hot	40 to 60°C / 50°F to 175°F	
water (average storage temperature)	Adjustment in steps of 1°C / 5°F using and and	55°C / 130°F

Note: if there is no domestic hot water sensor, pressing this key has no effect.



A fine setting can be made by making short presses.

6. PROGRAMING

6.1 Factory programing

Heating program

Monday to Sunday: 6 a.m. to 10 p.m. : Comfort period

Domestic hot water calorifier program

Monday to Sunday: 5 a.m. to 10 p.m. : Loading allowed

6.2 Program customization

Enter customized programs in the adjacent tables, then save them as follows:

● Press the **PROG** I key to select the heating program or **PROG** I to select the d.h.w. program.

Select the day by pressing the PROG IIII or PROG
 keys several times.

Note: the program chosen for every weekday is automatically copied to other days but it can be modified individually day by day.

● Write dark areas using the ♥ key and write light areas using the ♥ key (1/2 hour by 1/2 hour).

- Dark areas III are applicable to "comfort" heating or calorifier heating allowed periods.

- Light areas III are applicable to "reduced" or calorifier heating not allowed periods.

● Use the ← key to come back in the event of any error.

• End of programing: Press the **MODE** key. Otherwise, the program will be validated automatically after 2 minutes.

Note

Pressing the III and IIII keys simultaneously (STAN-DARD) for 5 seconds reinitializes the programs to the factory settings indicated in § 6.1 above.

Customized programs

HEATING PROGRAM

"Comfort" period

DOMESTIC HOT WATER CALORIFIER PROGRAM DHW

Days	Calorifier heating allowed
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

7. MESSAGES - ALARMS

In the event of any malfunction, the following messages may appear on the display:

MESSAGE	FAULT	PROBABLE CAUSE	REMEDY
AL 50 Boiler sensor		The corresponding	Switch off the electrical power supply to the boiler using the
RL 51 External sensor		sensor	On/Off switch to erase this message, and inform your fitter.
RL 52 D.h.w. sensor		circuit is broken	However, you can operate the part of the installation concerned
AL SA	Room sensor	or is short circuited	in "Manual" mode. See comments below.

Note:

If a fault occurs in a sensor, the installation continues to operate with the following limitations and displays:

RL **50** and *RL* **51**

The entire installation automatically changes to "Manual" mode

- The burner is controlled by the boiler thermostat G

- The heating pump runs permanently and the valve is no longer regulated electrically. It may be controlled manually if necessary.

- The temperature is set using the boiler thermostat G.

RL 52

The domestic hot water is no longer heated automatically. You can continue to produce domestic hot water

by changing to manual conditions using the "AUTO/ (*)" " switch - see chapter 3. The calorifier heating temperature is equal to the boiler temperature.

RL SR

Automatic operation in configuration without room sensor.

8. STARTUP OR RESTART AFTER A PROLONGED STOP

Initial starting up shall be performed by the fitter.

Before turning the boiler on, make sure that the installation is filled with water. Startup in the chronological order described below:



- •Check that the switch **D** is in the **AUTO** position.
- •Check that the thermostat **G** is in the **AUTO** position (between marks 7 and 9).
- •Check that the safety thermostat **B** is properly set. Unscrew the safety thermostat cap and press the reset button.
- •Put the On/Off switch \mathbf{C} into the On \oplus position.

Note

For production of domestic hot water (d.h.w. sensor connected), an automatic bleed sequence is carried out of the calorifier exchanger for one minute by intermittent operation of the domestic hot water load pump and the heating pump, before changing to automatic operation mode.

This bleed sequence is only activated if the calorifier temperature is greater than $25^{\circ}C$ / $77^{\circ}F$.

- •The set temperature of the heating circuit and the domestic hot water average storage temperature (if there is a calorifier) can be adjusted at any time using key **1** (see chapter 4).
- •Select the operating mode using keys **5**, **6** and **7** (see chapter 2).
- •Customize the heating program and the d.h.w. program as you wish if you have domestic hot water production (see chapter 6).



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9. ISOMETRIC VIEWS AND SPARE PARTS LIST

See following pages.

- Spare parts

E (EASYMATIC) control panel for GT 120 A-GT 1200 A

Note : when ordering spare parts, do not forget to provide the code number given in the list opposite the part reference.



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E (EASYMATIC) control panel



DHW SENSOR OPTION (PACKAGE FM 45)

EXTERNAL SENSOR



E control panel

Mark.	Code No.	DESCRIPTION	Mark.	Code No.	DESCRIPTION
		CONTROL PANEL	23	8575-4911	EPT2-pin connector room sensor
1	8578-7001	Complete Easymatic control panel	24	8575-4928	EPT connector RT
2	8578-8506	Complete Easymatic card cover	25	8575-5520	Control panel screw bag
3	9786-4039	Easymatic front panel	26	9655-0357	8-pin flat cable L = 300
4	9532-5027	Green On/Off two-pole switch	27	8575-4918	KVT 60 sensor - lenth 1 m
5	8500-0035	Two-pole switch			
6	9532-5028	Moment inverter two pole switch			EXTERNAL SENSOR
7	8500-0032	110°C safety thermostat	950	8575-7741	External sensor (Package FM46)
8	8500-0002	30-90 °C setting thermostat	951	9536-2450	External sensor AF60
9	9752-5181	Setting button	952	8575-4906	2-pin external sensor connector
10	9534-0288	Circuit breaker 4A TS710/4A			
11	9536-5147	Flat thermometer			DHW SENSOR OPTION (PACKAGE FM 45)
12	9521-6220	Red light	990	8575-7740	D.h.w. sensor (Package FM 45)
13	8806-7511	Easymatic module CDC 2	991	8575-4935	Installed d.h.w. sensor
14	9655-0352	WSBH-2 harness fastening	992	8575-4909	D.h.w. sensor 2-pin connector
15	8575-8019	Board supports	993	9536-2448	KVT 60 sensor L = 5M
16	8578-4905	Diematic Easy Standard harness	994	8575-4925	2-pin external connector d.h.w. sensor
17	8578-4906	Burner cable	995	9536-5613	Contact spring for thimble tube
18	8806-5565	Easymatic relay board			
19	8575-4905	3-pin connector power supply			
20	8575-4922	4-pin connector power supply VA+CS			
21	8575-4924	Pump 3-pin connector A/VS			
22	8575-4918	2-pin connector boiler sensor			

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In the interest of customers, DE DIETRICH THERMIQUE are continuously endeavouring to make improvements in product quality. All the specifications stated in this document are therefore subject to change without notice.

ASSEMBLY, ELECTRICAL CONNECTIONS AND FITTER SETTINGS



De Dietrich Thermique S. A. Niederbronn, FRANCE

E control panel

This page is reserved for use by the fitter

Assembling the control panel

Refer to the yellow assembly sheet provided with the boiler instructions.

Installing the outside sensor

The outside sensor is installed on the outside wall adjacent to the heated area. It must be easily accessible.

- **H** : inhabited height to be checked by the sensor
- : recommended position on a corner
- O : possible position (if difficulties are encountered)
- Z : inhabited area to be checked by the sensor



Installation :

The outside sensor is fixed to the outside wall using the supplied accessories: 2 CB \emptyset 4 wood screws + inserts.

Installing the boiler sensor

Refer to the yellow assembly sheet provided with the boiler instructions.

The sensor must be placed on the outside wall so that it is directly influenced by weather variations, but is not directly influenced by solar radiation.





Installing options

Refer to the instructions delivered with the option.

ELECTRICAL CONNECTIONS

Electrical connections shall be carried out by a qualified professional only. The electrical wiring has been carefully checked in the factory and the internal connections of the control panel must not be modified in any event.

All connections are made on the terminal blocks provided for this purpose at the back of the boiler control panel.

The connecting cables may be brought inside the boiler through the cut-outs provided in the boiler back panel, which may be used along with purchased cable channels.

Fasten the cables to the rear plate of the control panel by means of the cable clamps (cable clamps supplied in a separate pack) after mounting them on the plate.

IMPORTANT: The maximum current that can be switched per output is 2 A cos. $\varphi = 0.7$ (= 450 W inrush current less than 16 A).



Sensor cables must be separated from cables in 120V circuits.

- In the boiler: use two cable glands on each side of the boiler for this purpose.

- Outside the boiler: use two cable channels or cableways with a minimum distance of 10 cm [4.0 inches] between them.

Electrical connections shall be made respecting the information given on the electrical diagrams delivered with the equipment and the directives given in the instructions.

The electrical connection must comply with applicable standards and regulations in force. The equipment must be powered by a circuit with an omni-pole switch with an opening distance greater than 3 mm.



Basic connections



Sensor cables must be separated from cables in 120V circuits (see page m2).

Boiler Control Connections & Options

	SENSOR						
	TELEPHONE RELAY	ROOM CIRCUIT A	DOMESTIC HOT WATER		BOILER	EXTERNAL	
	° 20 20	S AMB A		S ECS	S CH	S EXT	
ļ	23 22	S AMBA		19 18 S ECS	17 16 S CH	15 14 S EXT	
	2 1	2 1		2 1	2 1	2 1	
	\mathbb{Q}	$\bigcirc \bigcirc$		\mathbb{Q}	\odot	\odot	





Sensor cables must be separated from cables in 120V circuits (see page m2).

INSTALLING THE EASYMATIC REGULATOR IN THE LIVING ROOM

1. Choose the position

The remote control will be installed adjacent to an internal partition, about 1.5 m above the floor in a judiciously chosen "control" room.

Locations in the room that are not recommended Enclosed, exposed to solar radiation, heated by a flue duct, exposed to cold or hot air currents in aeration ducts, close to an open fireplace, a heat source (television), behind a wall or a curtain.



2. Attachment of the wall support and the electrical connection



- Pull down the terminal box cover.
- 2 Loosen the central screw by a few turns.
- **3** Remove the control part.

4

Fix the wall support using the two screws and inserts provided for this purpose.

3. Room sensor calibration

- Measure the ambient temperature in the room in which the regulator is stored, using a thermometer.

- Press the ${}^{k\!\!\infty}$ and ${}^{k\!\!n}$ keys simultaneously for 5 seconds.

- Use or to adjust the correction to make the display match the thermometer measurements.

- Connect either a 2-wire telephone cable or an electrical cable with a cross-section of up to 2 x 1.5 mm² on the 2-pin connector. The wires can be switched over.
- Reassemble the control part, performing the same operations as for disassembly in the reverse order.



INSTALLING THE EASYMATIC REGULATOR IN THE BOILER CONTROL PANEL

Electrical connection

If you do not want to install the Easymatic regulator in a living room, you can install it in the boiler control panel by proceeding as follows.







Tilt the cover and remove it.



Attach the back part of the Easymatic regulator to the two notches.



The tabs on the base are different widths so that an inverted connection is impossible.



6 Screw the back part of the regulator to the control panel.

Fix the front part of the regulator to the back part.

"FITTER" SETTINGS



The settings given below are applicable to various functions and the installation configuration. They can only be modified by qualified professional.

Note:

The various parameters and settings are memorized even after a power failure.



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Settings

The various adjustable settings are given in the order in which they appear in the "Fitter settings table" below.

The settings are displayed by pressing the clock () and **PROG** Heating Program **IIIII** keys under the flap for 5 seconds.

When you have finished, the data are stored after 2 minutes or when you press the **MODE** key.



Installer settings control panel

Press	s Parameter number Item		Factory setting	Setting range
PROG PROG for 5 seconds	1.	Boiler temperature measurement	/	/
PROG IIIIII	Э.	Boiler circuit gradient	1.5	0 to 4
PROG	5.	Maximum temperature of the heating circuit	75°C / 170°F	40 to 90°C / 100 to 200°F
PROG	7.	Self-adaptivity (only with the Easymatic control module installed in the heated volume)	1	0 = blocked 1 = released
PROG IIIIII	B. Influence of the ambiance sensor 0 to 10 (only with easymatic control module installe in the heated volume)		3	0 to 10
	9. Choose Low Night or Night Off mode (only with room sensor influence = 0)		1	0 = night stop 1 = night low
PROG 1	ID. Frost free ambiance set temperature (only with room sensor influence not equal to 0)		6° C / 43°F	5 to 20° C / 40 to 70°F
PROG	n. Frost free external set temperature		3° C / 38°F	-8 to +10° C / 16 to 50°F
PROG	Image: Non-state Priority to domestic hot water (only with d.h.w. calorifier)		1	0 = non-priority 1 = priority
B. Prote		Protection against legionellosis (only with d.h.w. calorifier)	0	0 = deactivated 1 = activated
Image:		4 min.	0 to 10 min.	
PROG	T5. CTRL number of the CDC memory			
PROG	16.	CTRL number of the CPU memory		

Parameter 1 BOILER TEMPERATURE

To display the boiler water outlet temperature.

Parameter 3 HEATING CIRCUIT GRADIENT

- the gradient of the boiler circuit is set to 1.5 in the factory



Parameter 5 MAXIMUM HEATING CIRCUIT TEMPERATURE

The supply temperature for the heating circuit can be limited.

Note

If the maximum temperature is modified, also modify the boiler thermostat stop that limits the maximum boiler temperature at $75^{\circ}C / 167^{\circ}F$ if necessary.

This is done by removing the thermostat button by pulling it and moving the stop inside the hole with pliers to make it correspond to the required limiting temperature.

Important

If the installation is used without an external sensor, we recommend that the maximum temperature of the heating circuit should be set to a value less than or equal to 75° C / 167° F for a conventional installation.

Parameter 7 SELF ADAPTIVITY

- Free (setting 1): automatic adjustment of the heating curve is allowed.
- Blocked (setting 0): the heating curve is fixed. It can only be modified manually.

Parameter 8 ROOM SENSOR INFLUENCE

To enable adjustment of the influence of the room sensor on the boiler water temperature.

- ${\bf 0}~$: the room sensor is ignored
 - (for example remote control badly positioned)
- 1 : taken into account slightly
- 3 : taken into account medium amount (recommended)
- 10 : operation as room thermostat

Parameter 9 NIGHT

To select one of the following functions for operation at reduced rate if the room sensor is ignored.

- Low at night (setting 1): heating is continued during reduced periods (the water supply temperature will depend on the chosen gradient). The pump is running continuously.

- Night Off (setting 0): the pump and the heating are off, no heating request will be accepted. However, the installation will be made frost free and this can trigger Reduced type operation.

- If a room sensor is connected, the Night Off condition is active when the ambience temperature is exceeded, the Night Reduced rate is active when the ambient temperature is below its set value.

Note

This parameter is not displayed if there is a room sensor in the circuit.

Parameter 10

ROOM FROST FREE TEMPERATURE

To adjust the minimum room temperature in frost free mode. This temperature is only checked if the parameter 8 "ROOM SENSOR INFLUENCE" is not equal to 0. If parameter 8 "ROOM SENSOR INFLUENCE" is equal to 0, this parameter is not displayed and the set temperature is fixed at 6°C / 43°F (not adjustable).

Parameter 11 EXTERNAL FROST FREE

Below this temperature, the pumps run continuously and the minimum circuit temperature is respected. For Night Off operation (setting 0), Night Off mode (setting 1) becomes active.

Parameter 12 DOMESTIC HOT WATER PRIORITY

To make the following selections when a calorifier is connected:

- DHW PRIORITY (setting 1): absolute priority to heating of domestic hot water: the heating pump is switched off,

- DHW NOT PRIORITY (setting 0): the heating is not cut off when the calorifier is being heated

Important

The temperature in the radiators can reach the maximum programed value for the boiler while the d.h.w. calorifier is being heated.

Parameter 13

ANTILEGIONELLOSIS

The d.h.w. calorifier is overheated at 70° C / 158° F every Saturday from 4h to 5h. The "antilegionellosis" function acts to prevent the development of legionella in the calorifier, these bacteria are responsible for legionellosis.

Note

When you want to activate the antilegionellosis function, you should:

- increase the boiler thermostat setting to 80°C / 176°F.

- provide a mixing device preventing water from being distributed at a temperature greater than 60°C / 140°F in the domestic hot water distribution network.

Parameter 14

HEATING PUMP AND DHW PUMP TIMEOUT

- a timeout to switch off the heating pump prevents overheating of the boiler when changing from winter conditions to summer conditions, since this could accidentally trip the safety thermostat.

- the timeout when switching the d.h.w. heating pump off prevents excessively hot water from entering the heating circuit after the calorifier heating has been stopped. It also prevents overheating in the boiler, which could accidentally trip the safety thermostat.

Parameter 15 CDC MEMORY CHECK

To display the memory number used on a communicating remote control.

Parameter 16 CPU MEMORY CHECK

To display the number of the memory used on the E control panel regulation card.







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