IMMERGAS

INSTRUCTION MANUAL

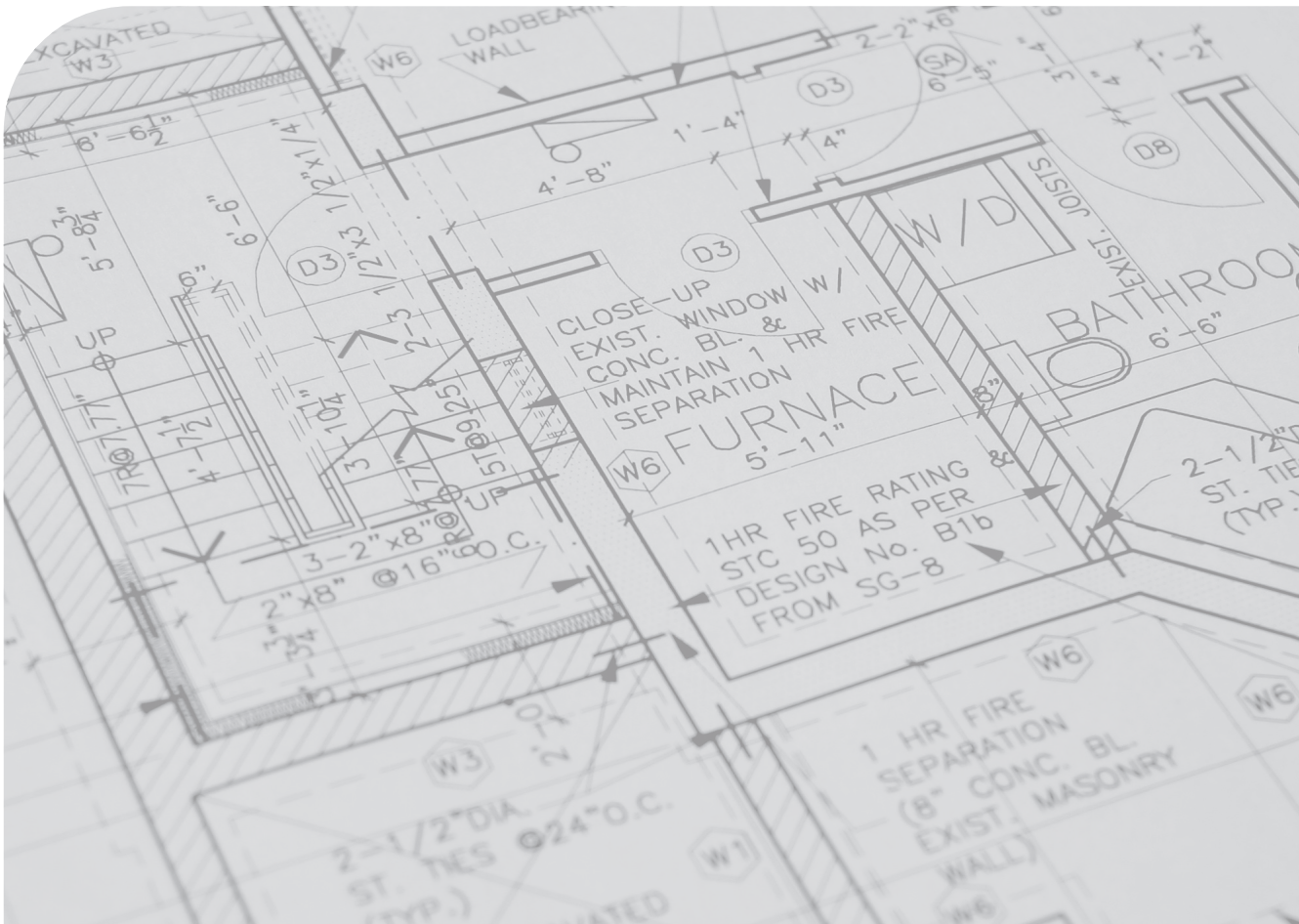
DOMINUS

Application
Interface Board Kit

Smartphone User Manual

IE

Instructions and warnings



Dear Customer,

Congratulations for having chosen a top-quality Immergas product, able to assure well-being and safety for a long period of time.
As an Immergas customer you can also count on a qualified after-sales service, prepared and updated to guarantee constant efficiency of its application "Dominus".
We would like to provide you with some important indications, your observance of which will ensure your satisfaction with the Immergas product:

- *Read the following pages carefully: you will find useful suggestions regarding the correct use of the application.*
- *For assistance and scheduled maintenance, contact "Immergas Authorised After-Sales centres": they have original spare parts and are specifically trained.*

INDEX

1. INSTALLATION.

1.1 APPLICATION DOWNLOAD AND INSTALLATION ON MOBILE DEVICES (SMARTPHONE).

Using the mobile device on which to install the application, connect to the App store of reference: App Store (Apple) or Play Store (Android) and type in "Immergas" in the search field.

The app works with IOS 13.0 operating system or higher (Apple) and Android 7 or higher.

Select the free "Dominus" application and wait for its download and installation on the mobile device used.

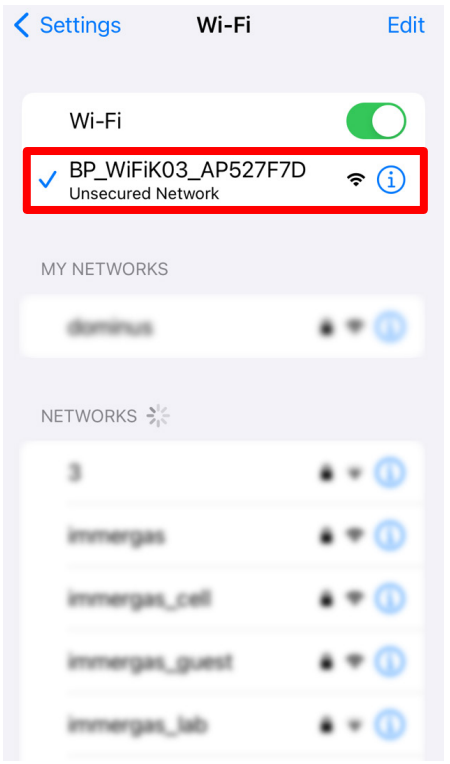
1.2 CONTROL SYSTEM CONFIGURATION.

Go in the immediate vicinity of the Wi-Fi module.
Enable the mobile device to receive/transmit the Wi-Fi signal.
From the mobile device access the Wi-Fi section and select the signal transmitted by the Wi-Fi module. The name of the signal transmitted by the Wi-Fi module is:

BP_WiFi_xxxxxxxx
BP_WiFIk03_xxxxxxxx

Below is an explanatory picture (Fig. 1).

1



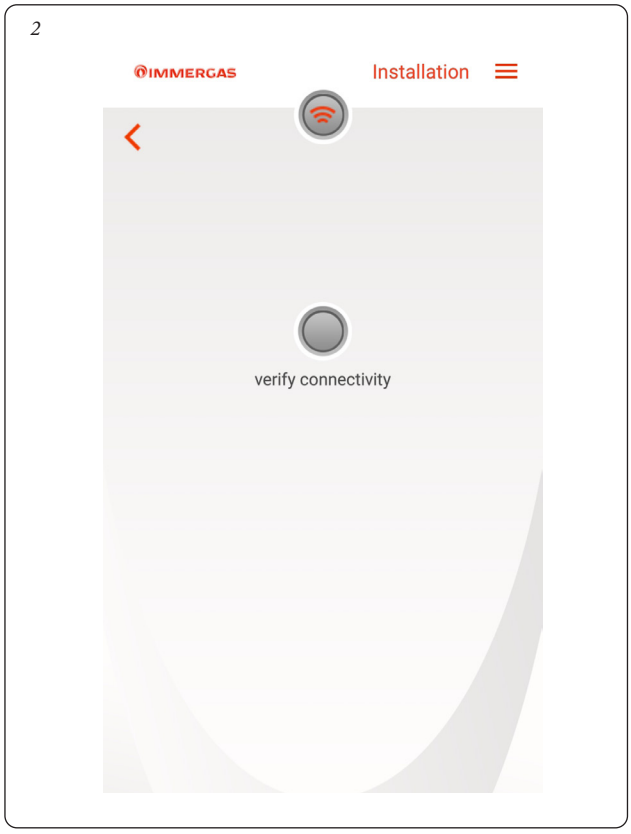
Start the "Dominus" application.

The following message appears on the screen when my application starts:

Configurations not present	
For the application to work properly you must download the updated configurations. Download now?	
Cancel	**Confirm**

In case of first installation, when the application is started you are asked to proceed to a new installation. Confirm the request.
In case of subsequent installation, enter the "configuration" menu and press on "setup wizard".
The application will start the installation, verifying connectivity with the Wi-Fi module (Fig. 2).

2



Upon detection of the Wi-Fi module, the screen "Identification device" appears where to enter the following data:

- Device name: enter the device name (chosen by the user);
- Password: enter the password chosen by the user.

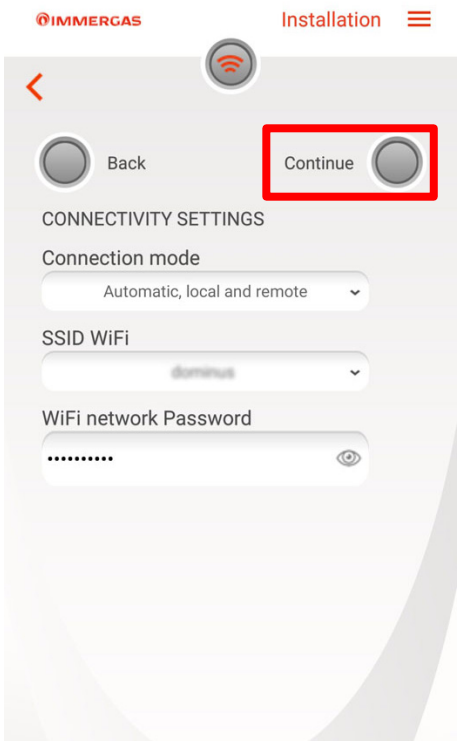
N.B.: remember the password used to install the device on other mobile device.

3

After entering the device name and password, press "Continue" (Fig. 3) to access the "Connectivity Settings" screen (Fig. 4). From the screen below, enter the following data:

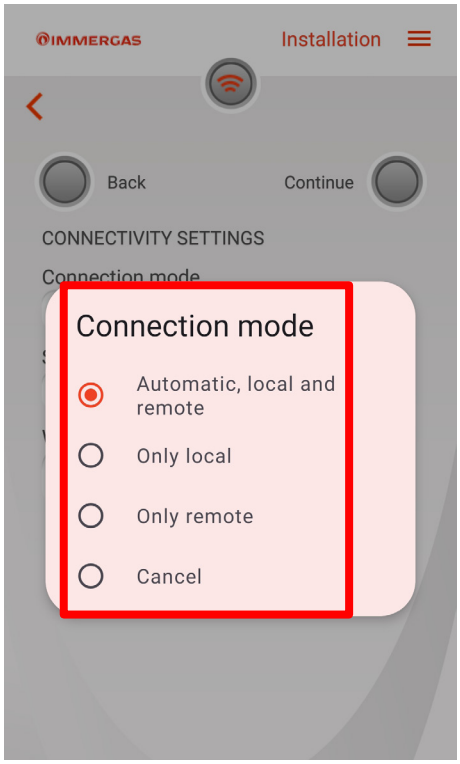
- Connection mode (Fig. 5). Choose from the indicated options:
  - Automatic local and remote: the application will choose the best available connection mode;
  - Local only: you can only connect to the device in local, therefore, the device cannot be reached outside the Wi-Fi network in which it is installed;
  - Remote only: you can only connect to the device through a connection to Internet;
- SSID WiFi network: choose the Wi-Fi network name to which you want to connect the device;
- WiFi network password: enter the password of the selected network.

4



After entering the above data, press "Continue" (Fig. 5). The "System Configuration" screen will appear (Fig. 6).

5



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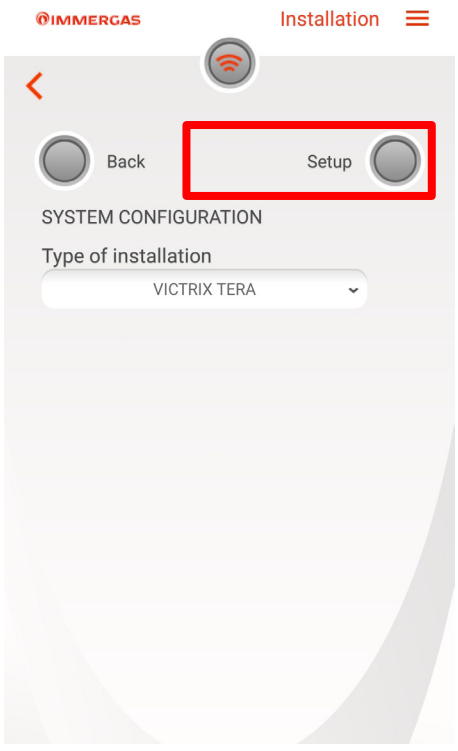


Select the appliance model from the proposed list (Fig. 7). The name is shown on the appliance control panel (see example Fig. 8).

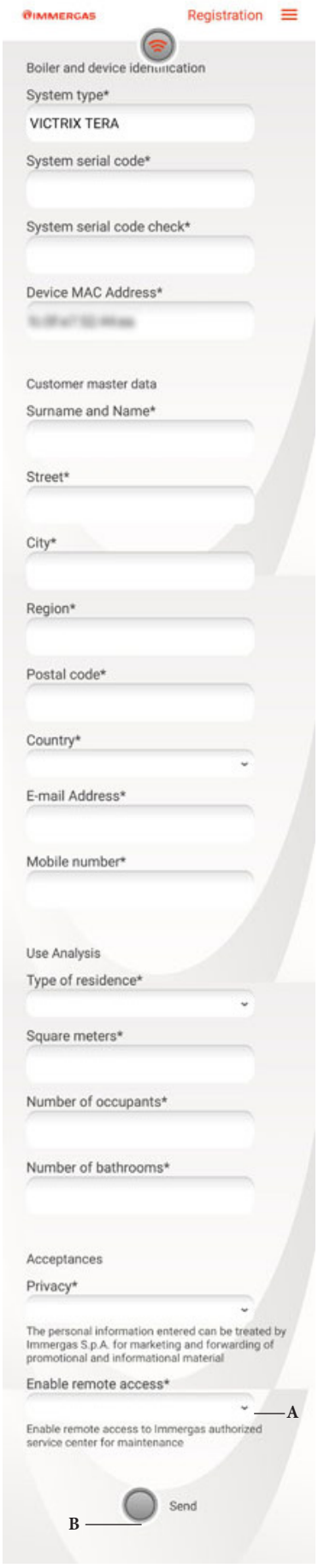
7

8

At the end press “Setup” (Fig. 6).

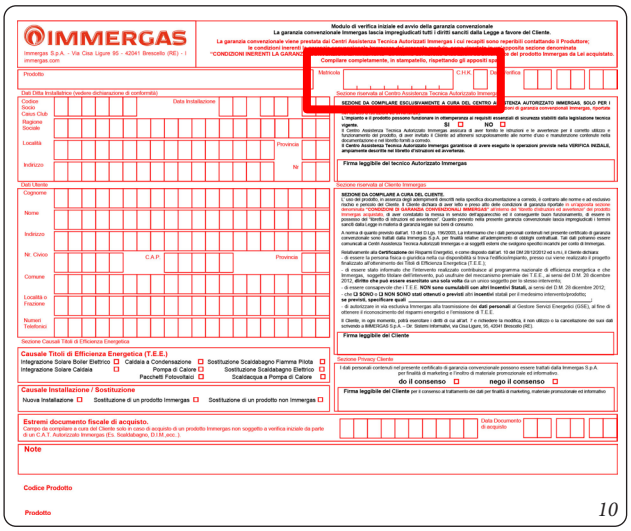
When installation is complete the “Installation Completed” pop-up will appear and you will be required to complete the customer identification form (Fig. 9).

9



Enter the appliance serial number (see warranty booklet Fig. 10).

- Check system serial number (enter the appliance serial number again, see Fig. 10);
- Then enter the other data required by the registration form;
- At the end press “Send” (Ref. B; Fig. 9).



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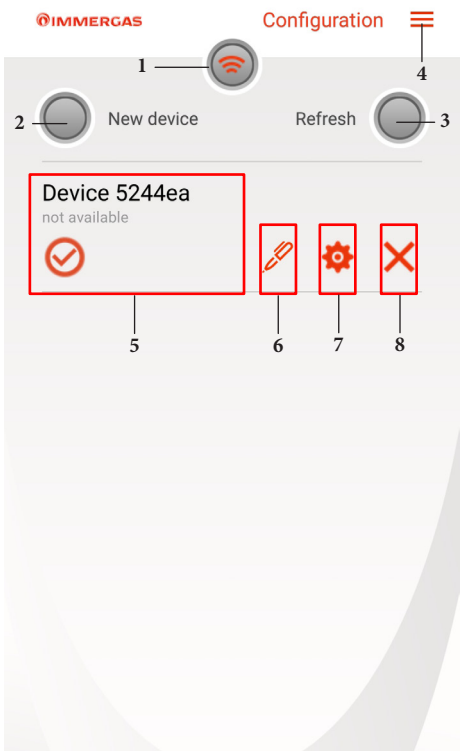
1.3 CONFIGURATION.

Selecting "Registration (Fig. 6, Fig. 11) on the "Configuration" page (Fig. 11) it will always be possible to edit the data entered upon registration (Fig. 9).

11



Ref	Description
1	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
2	"New device" page access button.
3	Device to be connected availability control button.
4	"Menu" access button.
5	Display of device connected to the application and type of connection.
6	"Registration" page access button.
7	"Identification device" page access button.
8	Device deletion button.

Pressing the button "2" allows you to add a device already configured without needing to perform the wizard.

1.4 INSERTING A PREVIOUSLY CONFIGURED DOMINUS APP ON ANOTHER SMARTPHONE.

To insert a Dominus app, configured according to the procedure in Paragraph 1.2, on another smartphone device, the following data are required:

- MAC device;
- login password: password chosen during initial installation (refer to that described on Page 4);
- connection mode: chosen by the user (refer to that described on Page 4);
- system type: select the boiler model (present on the control panel)

The data described above can be found (by clicking the button Ref. 5, Fig. 11).

When the data mentioned above are available, you may access the "Configuration" page of the App with your new Smartphone device and click "New Device" followed by "Add Device".

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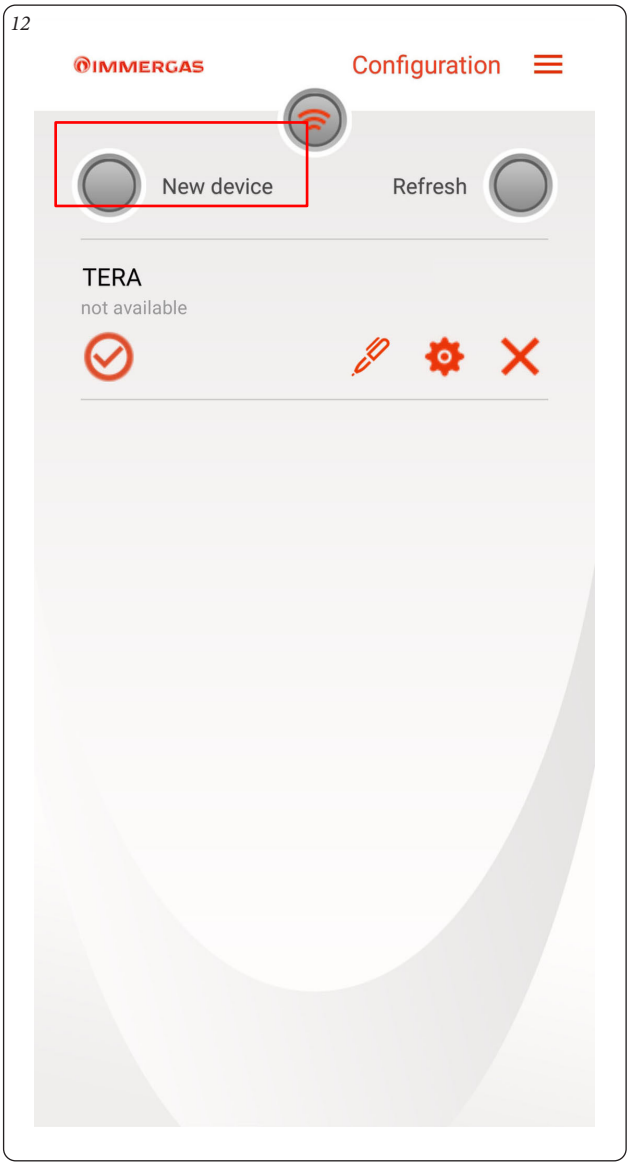
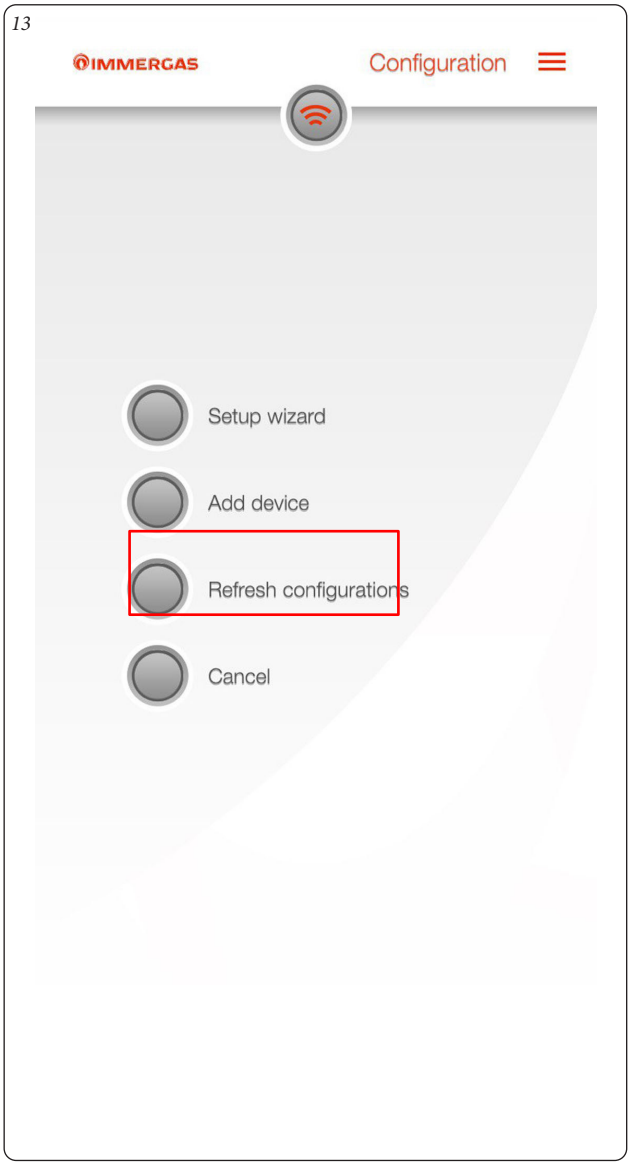


13



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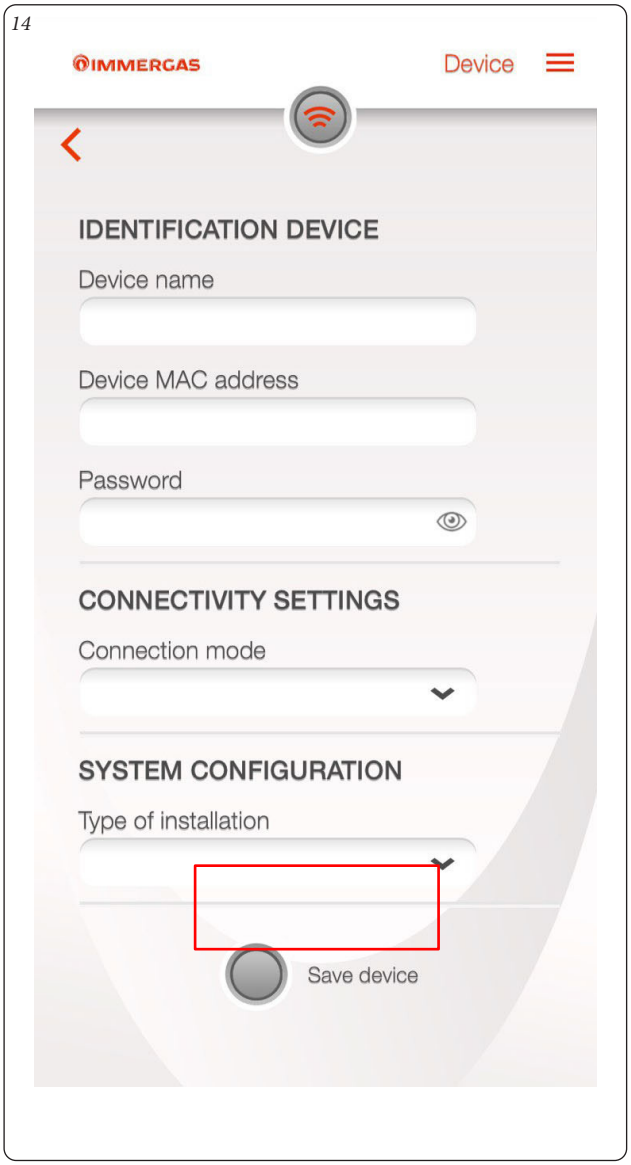


At this point, the Identification Device page opens, where you must enter the identification data of the Dominus app to be installed as described at the start of this paragraph.

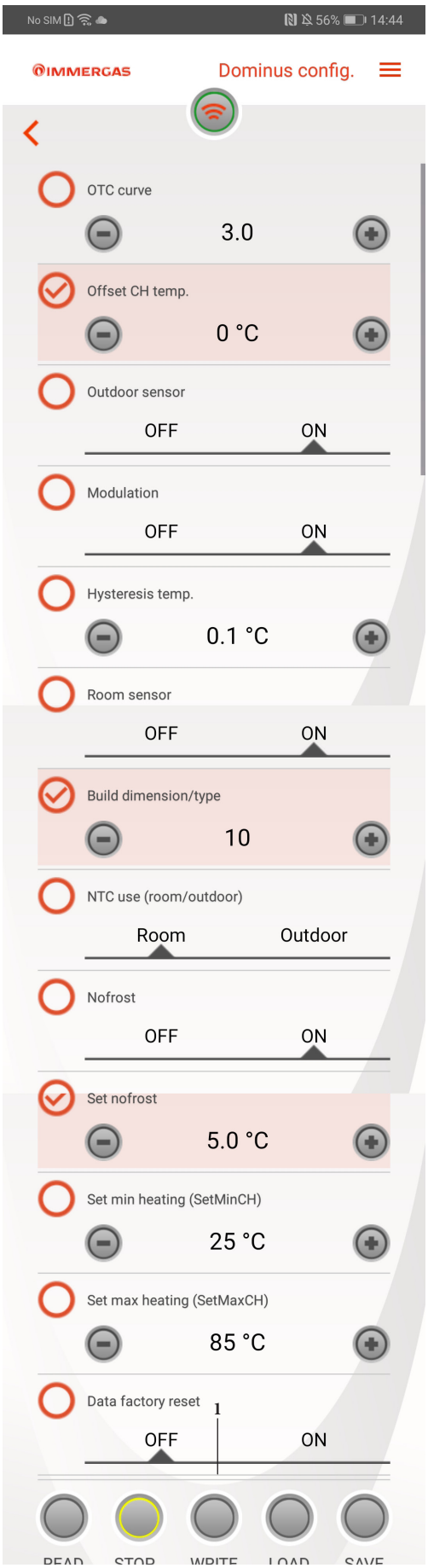
2. DOMINUS BOILER ADJUSTMENT (EXCLUDING VICTRIX MAIOR, EXTRA E SUPERIOR).

The below-described adjustment functions are always enabled if a Room Thermostat, or similar, is connected to the device; if the Dominus device is connected to a CARV2, the below-described functions are only enabled if the device is activated (see Fig. 23).

2.1 DOMINUS CONFIGURATION

From the "Boiler" page, pressing the "Config. Dominus" button (Ref.8 Fig. 17) displays the following page from whence you may edit the main parameters set in the device. After making any changes, press the button (Ref.1 Fig.15).

15



- **Climatic curve:** in the presence of external probe, change the set flow temperature (see fig. 16), as per standard set at 3.
- **CH temp. offset:** constant that can be regulated from -15°C to +15°C and in the presence of the external probe (optional), modifies the set flow temperature (see fig. 16) set to 0°C as per standard.

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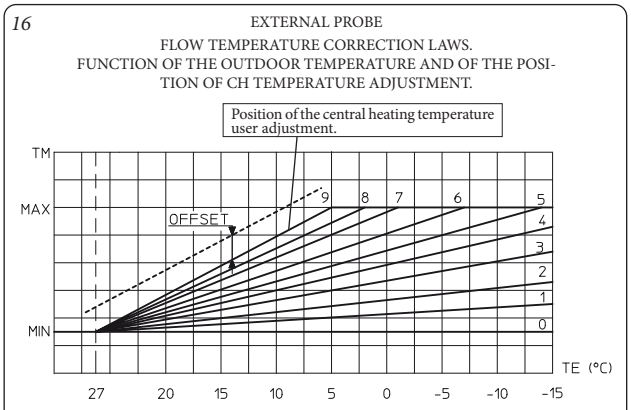


TM-MAX/MIN = Selected flow temp. range.
Te = Outdoor temperature.

- **External probe use:** enables/disables the operation curve (Fig. 16) if the external probe is present.
- **Modulation use**: allows enabling (ON) or disabling (OFF) the operation of the flow temperature modulation. Set at ON, the flow temperature will be varied depending on the room temperature set. Set at OFF, the flow temperature will be kept constant until the desired room temperature is reached. (Setting to be made on systems with zones control unit). **N.B.:** if an outdoor temperature probe is present, the flow temperature will be set depending on the relative functioning curve.
- **Hysteresis temperature:** with room probe enabled, it indicates the temperature added to the set, above which the request to the generator is removed.
- **Room probe use**: allows to activate or deactivate the room probe. On the basis of the parameter setting, it will be possible to regulate the following options: - ON (standard value); it is possible to select a correction factor of the room probe reading and change the modulating function. - OFF, the system will not function, regulating the room temperature but only depending on the time program set. In this case the room anti-freeze function is not assured.
- **Building size/type:** adjustable from 1 to 20, standard set at 10. It establishes the system reaction speed according to the type of system present. For example:

Value	System type
5	System with little heat inertia
10	System with normal dimensions with radiators
20	System with heat inertia (e.g. floor-standing system)

- **NTC use (room/outdoor temp.):** allows selecting the use of the room sensor or of the external probe.
- **Room antifreeze use:** allows enabling/disabling the antifreeze function.
- **Room antifreeze temperature set :** allows setting the room temperature for activation of the anti-freeze function. Can be regulated from 0°C to 10°C and is set at 5°C as standard.
- **Set minimum central heating (SetMinCH):** allows to regulate the central heating flow minimum temperature value. Moreover, this value is used to calculate the curves used for the external probe. Values that are too high can cause flow temperatures that are too high on average for room central heating.
- **Set maximum central heating (SetMaxCH):** allows to regulate the maximum CH flow temperature value.
- **Factory data reset.**

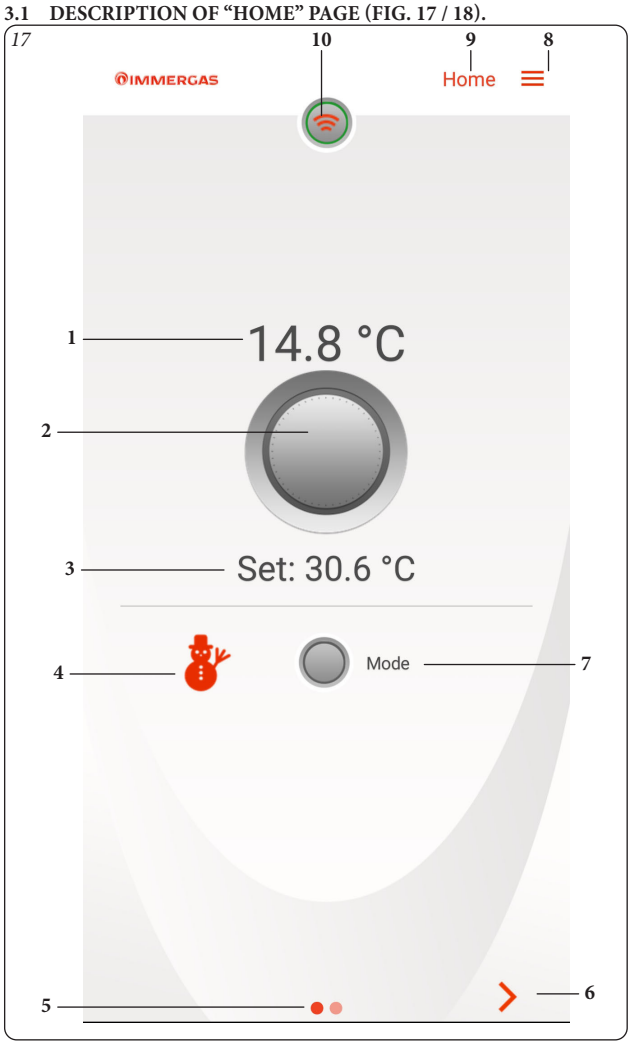
2.2 CONFIGURATIONS MANAGEMENT

Device connected to Dominus	Parameters management with Dominus connection	Dominus activation via APP
Room Thermostat or similar system.	The mode, the flow and DHW set, must be set within the app. The boiler will be activated in the presence of request of the connected Room Thermostat.	The forcing is only enabled with the consent of the room thermostat inlet; use the Dominus relay to enable the consent, see the diagram. The flow set is the same calculated before the activation.
Room Thermostat or similar system + room sensor connected to Dominus.	The mode, the flow and DHW set, must be set within the app; also, the desired values must be set in the Dominus parameters menu for enabling the boiler flow modulation. The boiler will be activated in the presence of request of the connected Room Thermostat and according to the room setpoint set by the app.	The forcing is only enabled with the consent of the room thermostat inlet; use the Dominus relay to enable the consent, see the diagram. The flow set is the same calculated before the activation.
Room Thermostat or similar system + room sensor connected to Dominus in error.	The mode must be set within the app while the flow set is set to minimum with room modulation present. The boiler will be activated in the presence of request of the connected Room Thermostat.	The setpoint is set to minimum by Dominus with request in progress.
CAR connected to Dominus.	The boiler is entirely managed by the CAR system.	The boiler is entirely managed by Dominus according to the parameters set on the App.

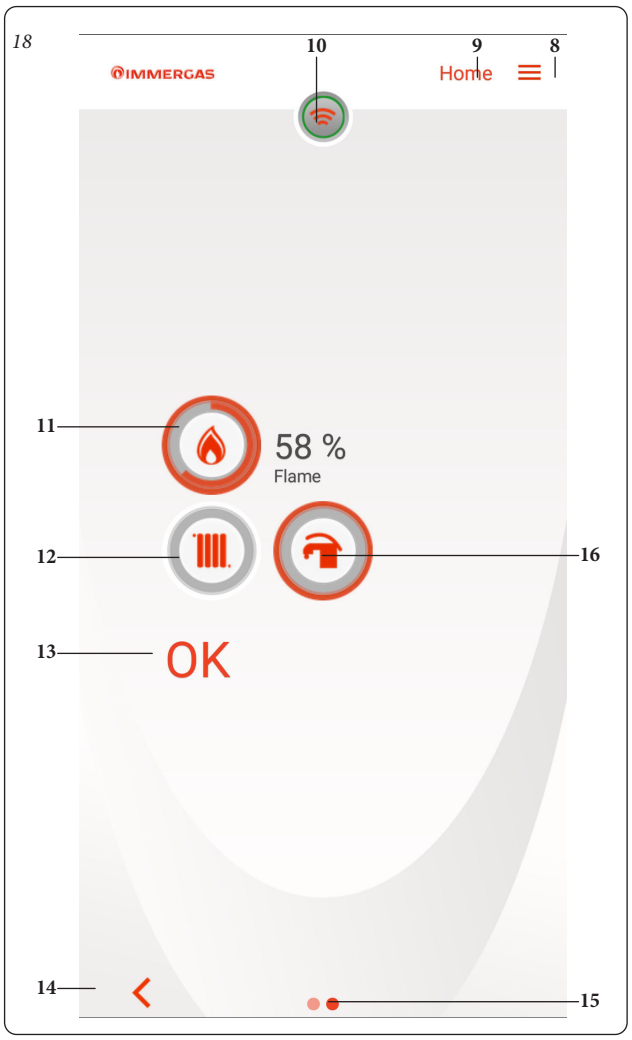
3. SMARTPHONE CONNECTED BOILER (EXCLUDING VICTRIX MAIOR, EXTRA E SUPERIOR).

3.1 DESCRIPTION OF "HOME" PAGE (FIG. 17 / 18).

17



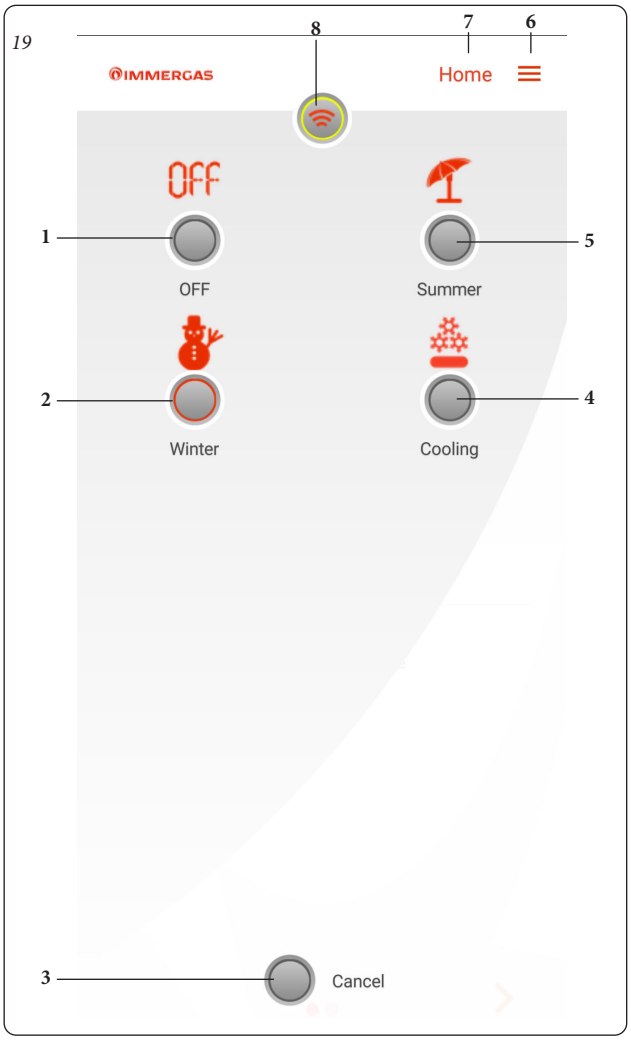
18



Ref	Description
1	Measured room temperature display
2	"Set Room" temperature adjustment knob
3	Room temperature set display
4	Operating mode display
5	Indicator of the displayed "Home" page 1
6	Button to go to next page
7	Operation mode access button.
8	Page selection button
9	Indication of active page
10	Enable Wi-Fi connection button (flashes to view the active connection)
11	Flame modulation percentage display.
12	Display current boiler operation (central heating).
13	Boiler status display
14	Button to go back to the previous page
15	Indicator of the displayed "Home" page 2
16	Display current boiler operation (domestic hot water).

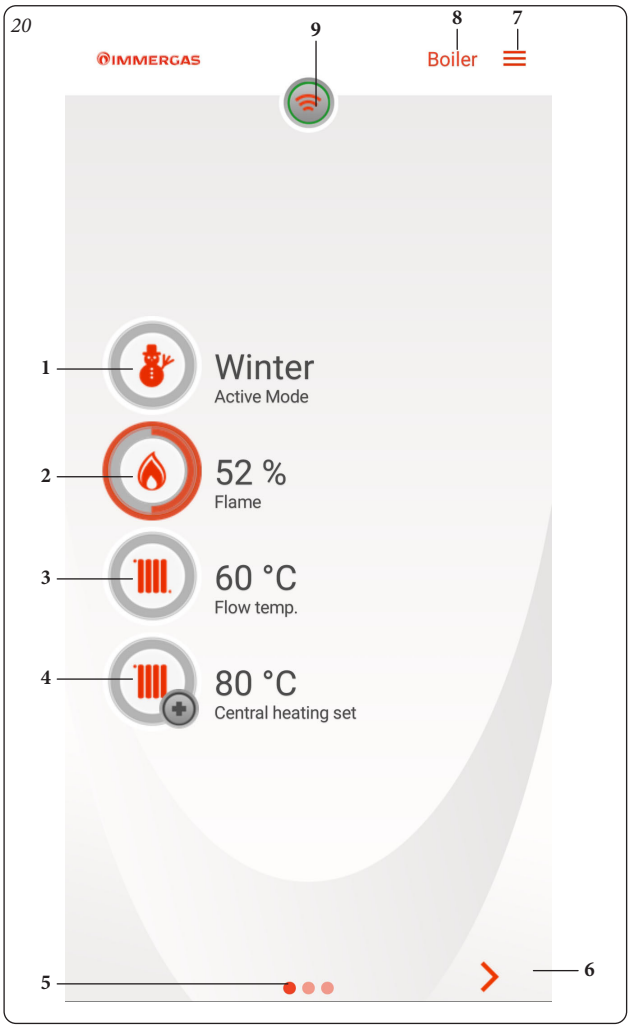
N.B: the parameters displayed depend on the type of boiler to which the Wi-Fi module is connected.

3.2 DESCRIPTION OF "OPERATING MODE" PAGE (FIG. 19).



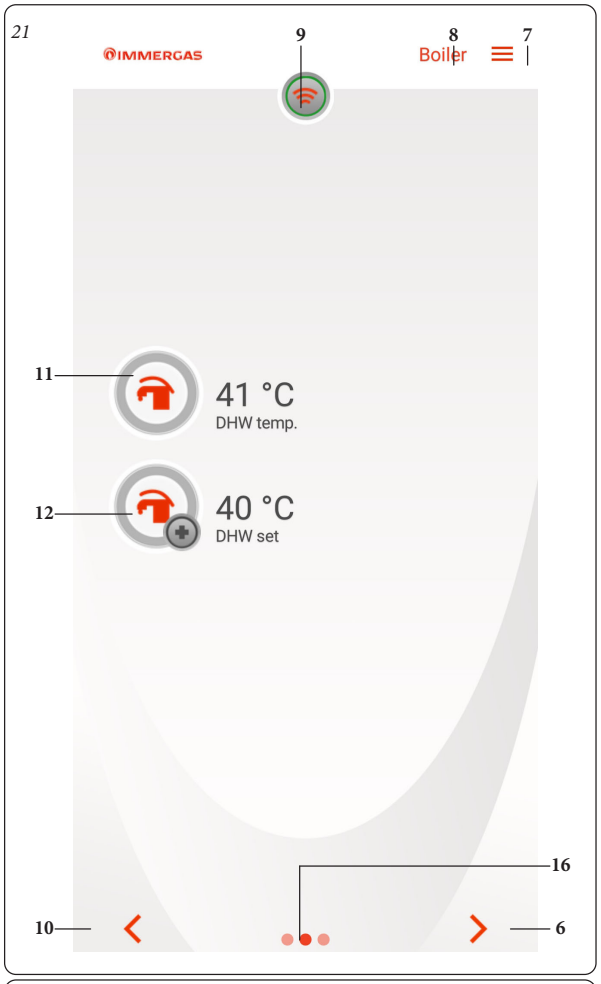
Ref	Description
1	OFF - Boiler off.
2	Winter - DHW heating and room central heating buttons are enabled.
3	Cancel - Pressing this returns to the "Home" page (Fig. 17).
4	Cooling - The cooling and DHW central heating function is enabled.
5	Summer - Only the DHW heating function is enabled.
6	Page selection button
7	Indication of active page
8	Enable Wi-Fi connection button (flashes to view the active connection)

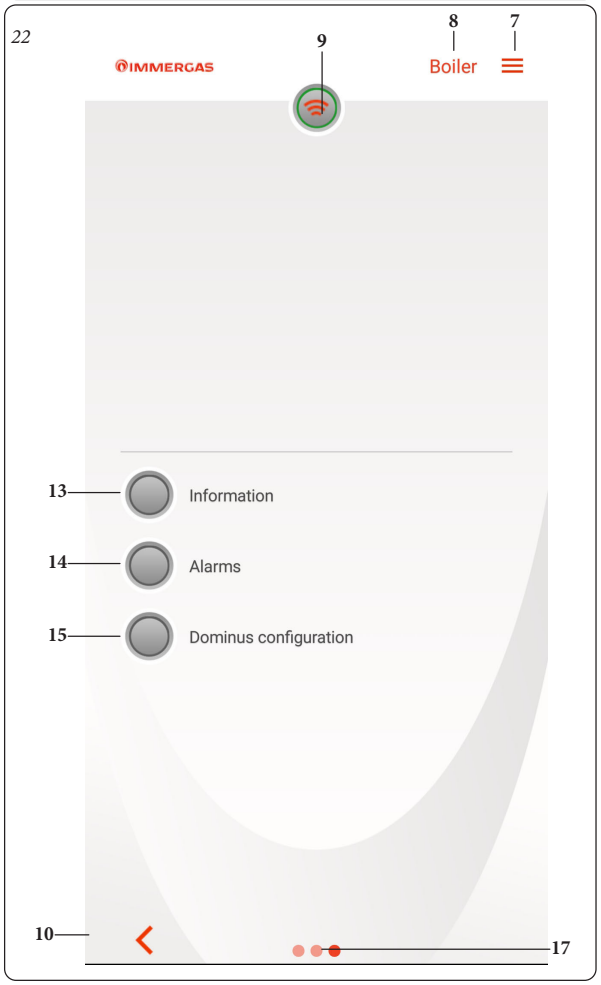
3.3 DESCRIPTION OF "BOILER" PAGE (FIG. 20 / 21 / 22).



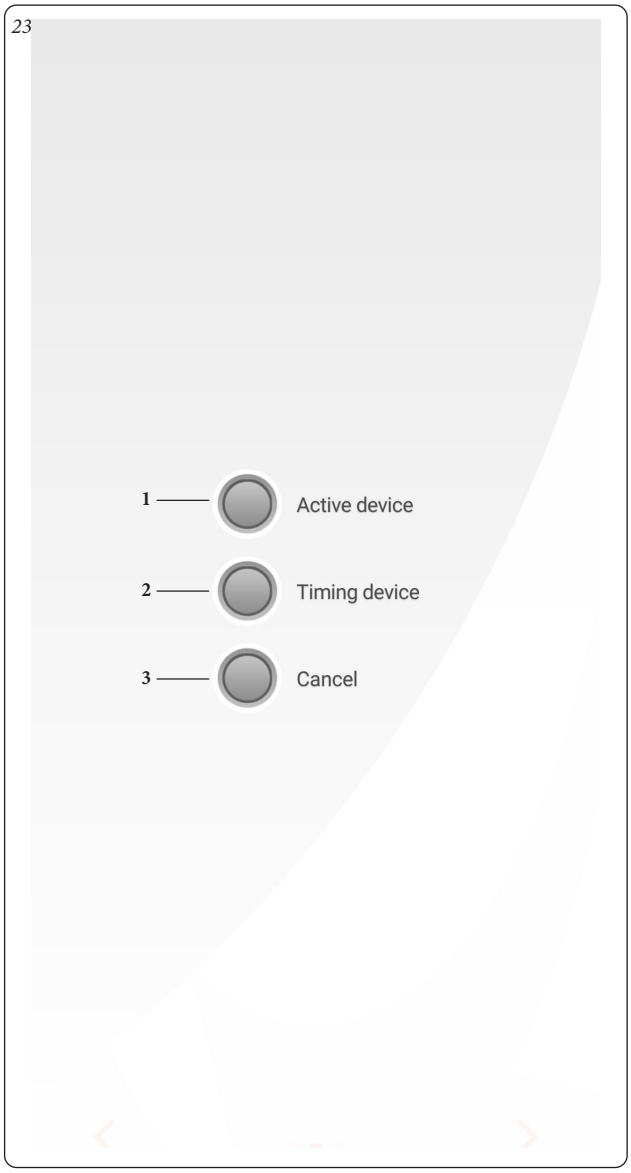
Ref	Description
1	Operating mode display.
2	Flame modulation percentage display.
3	CH water temperature display.
4	Set CH water temperature display. Pressing the button ( ) allows access to the CH water temperature adjustment page.
5	Indicator of the displayed "Boiler" page 1
6	Button to go to next page
7	Page selection button
8	Indication of active page
9	Enable Wi-Fi connection button (flashes to view the active connection)
10	Button to go back to the previous page
11	DHW temperature display.
12	Set DHW temperature display. Pressing the button ( ) allows access to the DHW temperature adjustment page.
13	"Information" page access button.
14	"Alarms" page access button.
15	"Dominus Configuration" page access button.
16	Indicator of the displayed "Boiler" page 2
17	Indicator of the displayed "Boiler" page 3

N.B: the parameters displayed depend on the type of boiler to which the Wi-Fi module is connected.





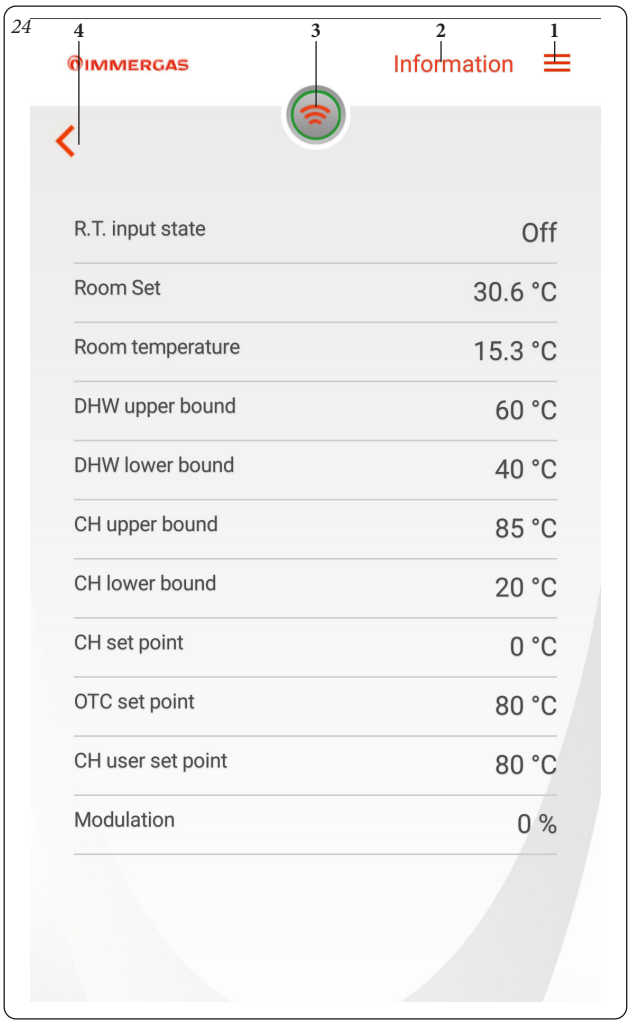
3.4 DESCRIPTION OF "ENABLE DEVICE" PAGE (FIG. 23).



Ref	Description
1	Enable Device - The "Dominus" application takes control of the boiler until it is disabled or until the Wi-Fi connection is lost. As soon as the device is disabled, control returns to the device present on site
2	TIme Device - The boiler is controlled by the "Dominus" application until the time set during the setting selection ends. At the end of the set time, control returns to the device on site. N.B.: In case of timed activation, to disable the device you must reset the remaining time to zero.
3	Cancel - Pressing this returns to the "Home" page (Fig. 17).

3.4 BOILER INFORMATION (FIG. 24).

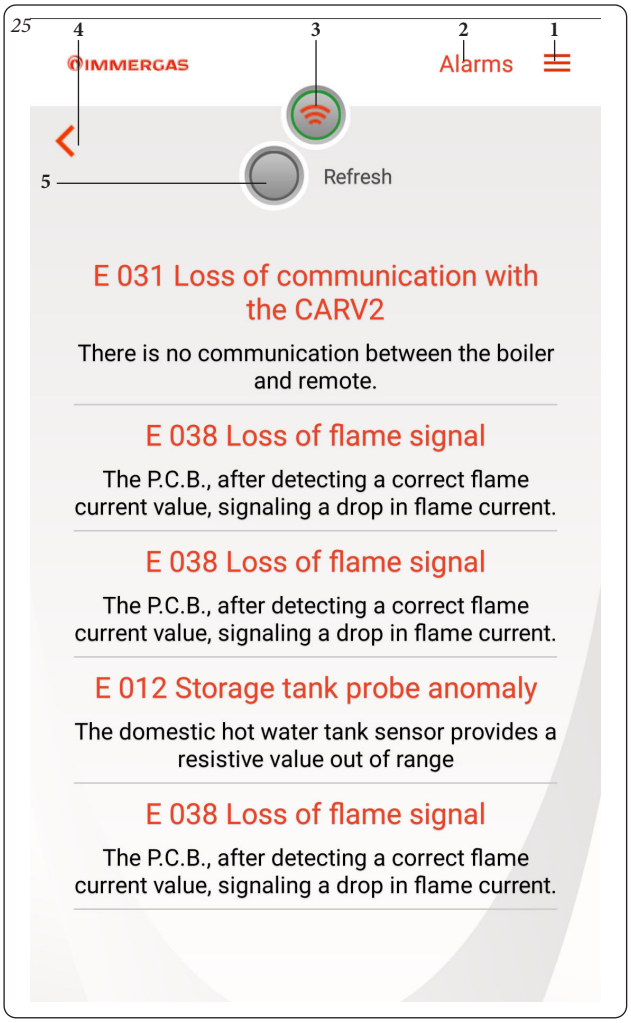
From the "Boiler" page, pressing "Information" (Ref. 13 Fig. 22) displays the following screen.



Ref	Description
1	Page selection button
2	Indication of active page
3	Wi-Fi connection with boiler enabling button (flashes to indicate active connection).
4	Button to go back to the "Boiler" page

3.5 DIAGNOSTICS AND ERRORS (FIG. 25).

The "Dominus" application continually controls the functioning status of the boiler and signals any Alarmss, stating the corresponding error code on the display.
The error codes have meaning depending on the boiler to which the "Dominus" application is connected. Therefore, refer to the boiler instruction book for a complete list of error codes and their relative meaning.
In the case of a fault that cannot be reset, contact a qualified technician (e.g. the Immergas After-Sales Technical Assistance Service).
"Exxx" appears on the display of the "Alarms" page in the event of an error, where "xxx" stands for the number that identifies the error code.
The following page is an example.



Ref	Description
1	Page selection button
2	Indication of active page
3	Wi-Fi connection with boiler enabling button (flashes to indicate active connection).
4	Button to go back to the "Boiler" page
5	Alarm list update button

3.6. SELECTION OF OPERATING MODE.

Through the "Operating mode" access button (ref. 1 Fig. 20) the following functions can be selected: OFF, Summer, Winter, Cooling.

Note: the room antifreeze function is active in the modes: summer, winter.

- **Off mode.** The room anti-freeze function is not guaranteed in this mode (the boiler anti-freeze function remains active).
- **Summer mode ( ) ( ).** In this mode the system is enabled for producing domestic hot water excluding space central heating.
- **Winter mode ( ) ( ).** In winter mode the system is enabled for producing domestic hot water and for space central heating.
- **Cooling mode ( ) ( ).** In cooling mode the system is enabled for DHW production and to control an outdoor condensing unit (only for models set-up) for space cooling.

3.7. SUMMER MODE FUNCTIONS.

With the "Dominus" application in summer mode ( ), only the production of DHW is enabled.
The system produces hot water according to the DHW temperature set.

3.8 DHW TEMPERATURE SETTING.

Pressing the button ( ) on the "boiler" page (ref. 11, Fig. 20) allows you to set the domestic hot water temperature.
The temperature is memorised after the button is pressed.

3.9. WINTER MODE FUNCTIONS.

With the system in winter mode ( ), the production of DHW and space central heating are enabled.
The room temperature is maintained constant at the value set by the user when the room temperature value is available; otherwise, the flow temperature set in the system is maintained.

3.10 TEMPERATURE SETTING.

Pressing the button ( ) on the "boiler" page (ref. 7, Fig. 14) allows you to set the DHW temperature.
The temperature is memorised after the button is pressed.

To set the desired room temperature, simply rotate the knob (Ref. 2, Fig. 17) on the "Home" page. The display will show, in real time, the room temperature set (ref. 3, Fig. 17).

Any room temperature from +10 to +35 can be selected, which will be kept constant until new adjustments are made or a different mode is selected.

From the winter function mode ( ) it is possible to regulate the boiler flow temperature. The adjustment is made by pressing the button ( ) on the boiler page (ref. 8, Fig. 17)

The temperature is memorised after the button is pressed.

N.B.: an excessively low boiler flow temperature adjustment (below 60°C for traditional systems) may not allow to reach the desired room temperature.

The system flow temperature during normal operation is anyhow managed automatically by the system itself based on the settings made.

3.11. COOLING MODE FUNCTIONS.

With the system in cooling mode ( ), both DHW and room cooling functions are enabled.

Attention: this function can only be used with Immergas appliances that manage the cooling mode.

The room temperature is maintained constant at the value set by the user when the room temperature value is available; otherwise, the flow temperature set in the system is maintained.

3.12 TEMPERATURE SETTINGS.

Pressing the button ( ) on the "boiler" page (ref. 7, Fig. 17) allows you to set the DHW temperature.
The temperature is memorised after the button is pressed.

To set the desired room temperature with the device connected to the boiler, simply turn the knob (Ref. 5, Fig. 17) on the "Home" page. The display will show, in real time, the room temperature set (ref. 8, Fig. 17)

Any room temperature from +10 to +35 can be selected, which will be kept constant until new adjustments are made or a different mode is selected.

From the cooling function ( ) you may adjust the flow temperature of the system. When the system is connected to the boiler, the adjustment is made based on the settings of the parameters on the boiler.

The temperature is memorised after the button is pressed.

The system flow temperature during normal operation is anyhow managed automatically by the system itself based on the settings made. Therefore, it is not certain that the system works at the temperature set but runs at a higher flow temperature, but correct to obtain the desired room temperature

4. SMARTPHONE CONNECTED TO A SUPERIOR BOILER.

4.1 DESCRIPTION OF "HOME" PAGE (FIG. 26 / 27 / 28 / 29).

There is no initial summary page, but the "main information of the two zones and of DHW" are defined in several screens:

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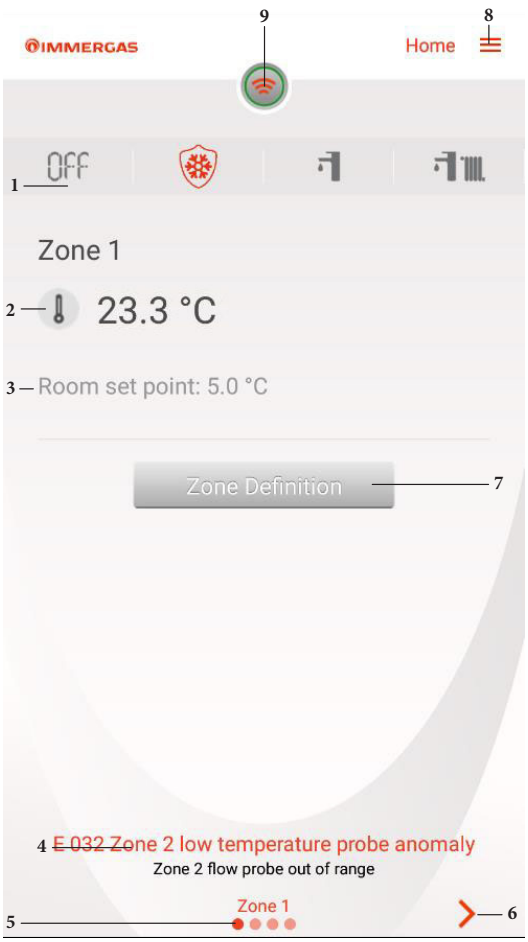
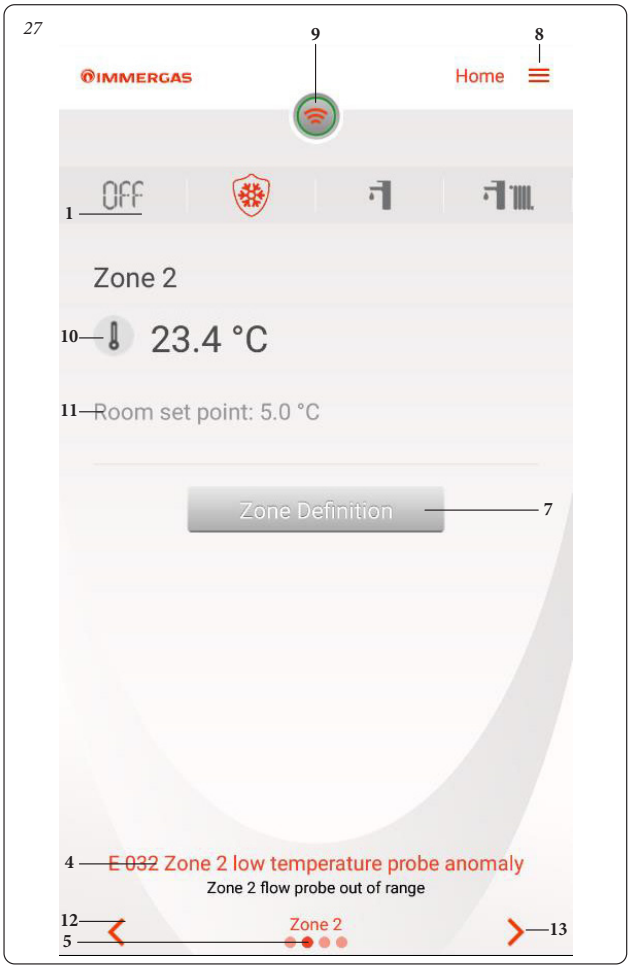


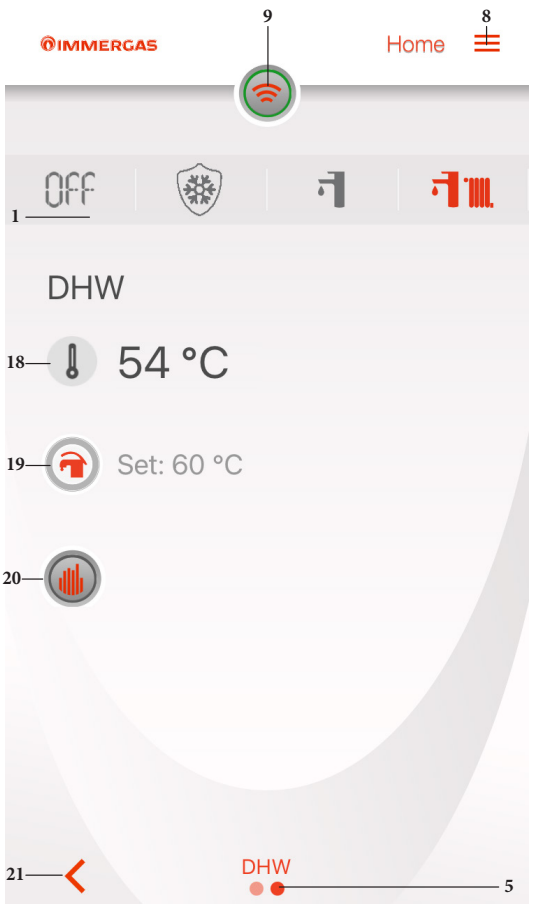
Ref	Description
1	Operating mode (OFF / STAND-BY / DHW / DHW + CH
2	Measured room temperature of Zone 1 display
3	Zone 1 room temperature set
4	Alarmss display
5	Indicator of the Displayed zone
6	Button to go to Zone 2
7	Button to access zone management
8	"Menu" access button
9	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
10	Measured room temperature of Zone 2 display
11	Zone 2 room temperature set

27



28

29

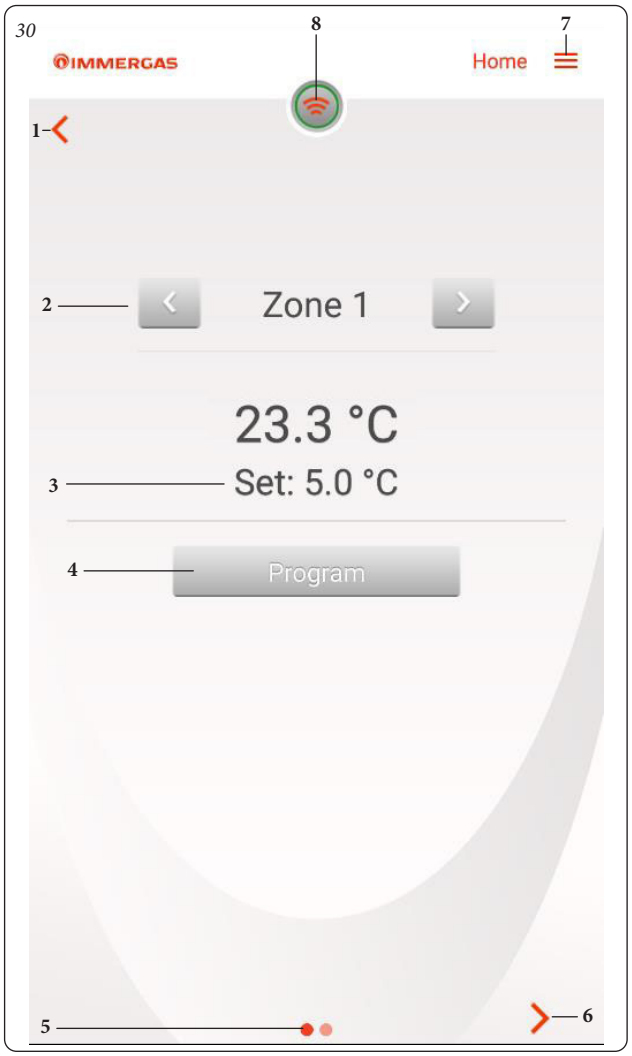


Ref	Description
12	Button to go back to Zone 1
13	Button to go to Zone 3
14	Measured room temperature of Zone 3 display
15	Zone 3 room temperature set
16	Button to go back to Zone 2
17	Button to go to DHW control
18	DHW temperature display
19	DHW temperature set
20	DHW schedule button
21	Button to go back to Zone 3

Pressing the "Manage Zone" key grants access to the manual room set editing screen and access to the "Programming" section

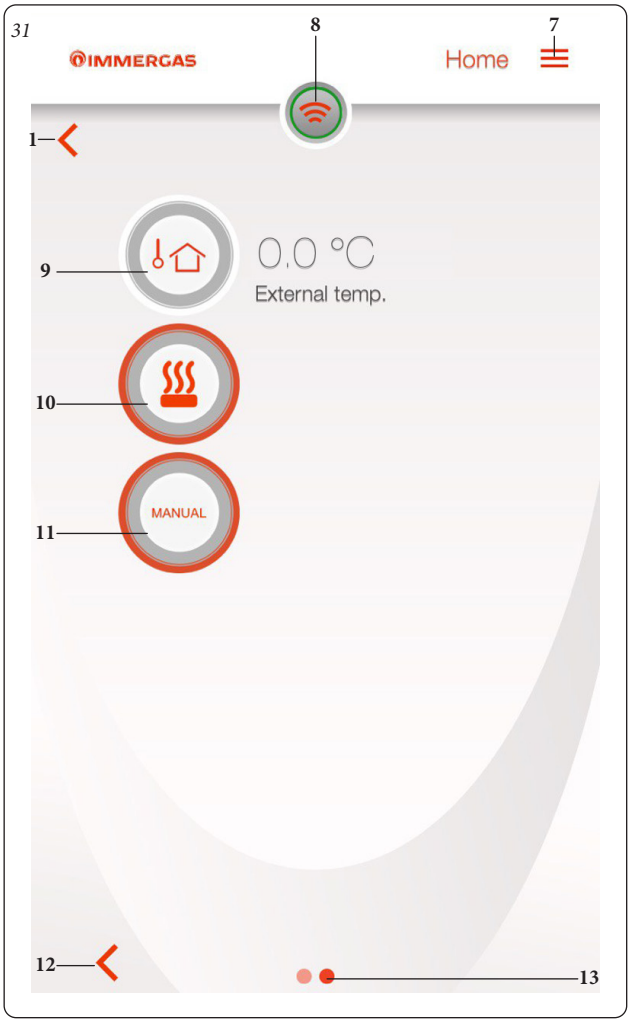
4.2 DESCRIPTION OF "ZONE MANAGEMENT" PAGE. (FIG. 30 / 31).

30



Ref	Description
1	Button to go to previous page/screen
2	Button to go to other zones
3	Room temperature set display
4	Button to go to Set / Programming screen
5	"Zone management" screen display
6	Indicator to go to additional information
7	"Menu" access button
8	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
9	Outdoor temperature display
10	Current boiler operation display
11	Indication of room Set used: - AUTO, follows the schedule set by the user; -Manual, follows any changes made by pressing the button (Ref. 4, Fig. 26)
12	Button to go back to the "Zone management" screen
13	"Additional information" screen display

For additional information, you must scroll to the next page



4.3 DESCRIPTION OF "SET / PROGRAMMING" PAGE (FIG. 32).

Ref	Description
1	Indicates the active calendar
2	Indicates the measured room temperature
3	Set editable with the "+" key
4	Schedule button
5	Displays the Zone being defined
6	"Menu" access button
7	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
8	Press to go back to the previous page

On the "Programming" page, you may define up to 4 calendars (Ref. 4, Fig. 32) to set the switch on and switch off time of the system throughout the day (Fig. 33) then usable to perform weekly programming (Fig. 33 and 34).

4.4 DESCRIPTION OF "WEEKLY PROGRAMMING" PAGE (FIG. 33).

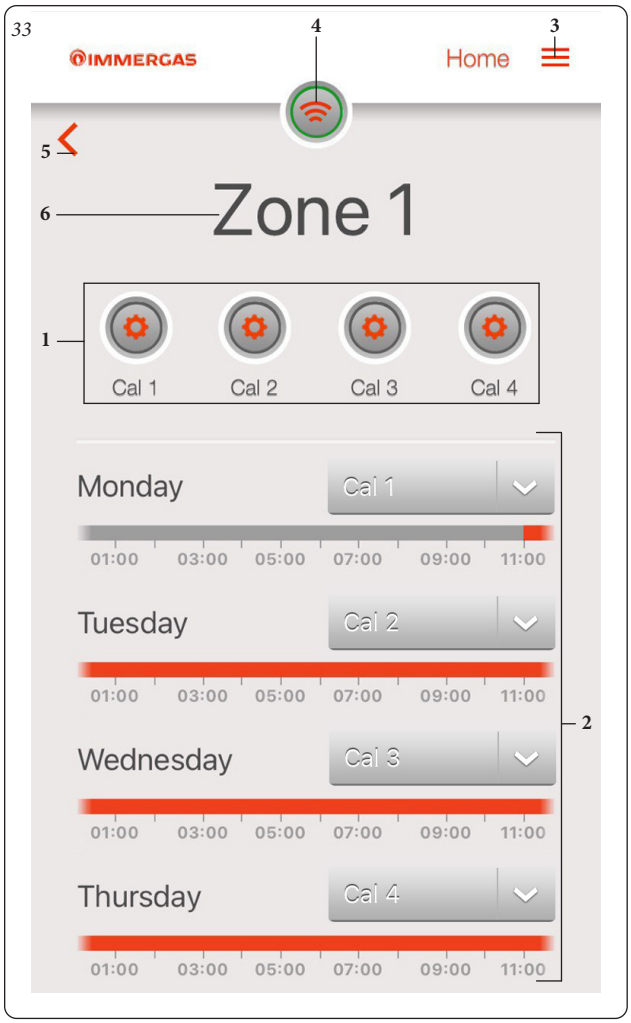
From this menu, it is possible to set the time slots for operation in Comfort and Economy mode.

- **Time slots.** The Dominus enables you to set 4 calendars with 4 time operating slots in system comfort mode. The system will operate in economy mode during out-of-range time of these 4 time slots.

  After setting these 4 calendars it is possible to associate them to the various days of the week (Ref. 2, Fig. 33).

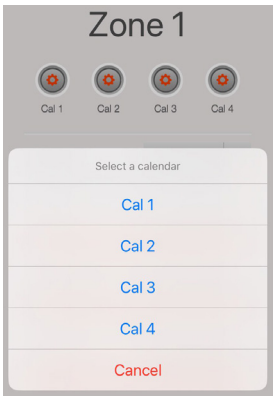
- Having entered the menu by pressing "Cal. n." (Ref. 1, Fig. 33) you go to the screen to define the switch on/off intervals.
- When you've finished programming a calendar, pressing the go back to previous page button allows you to program any other available calendars.

33



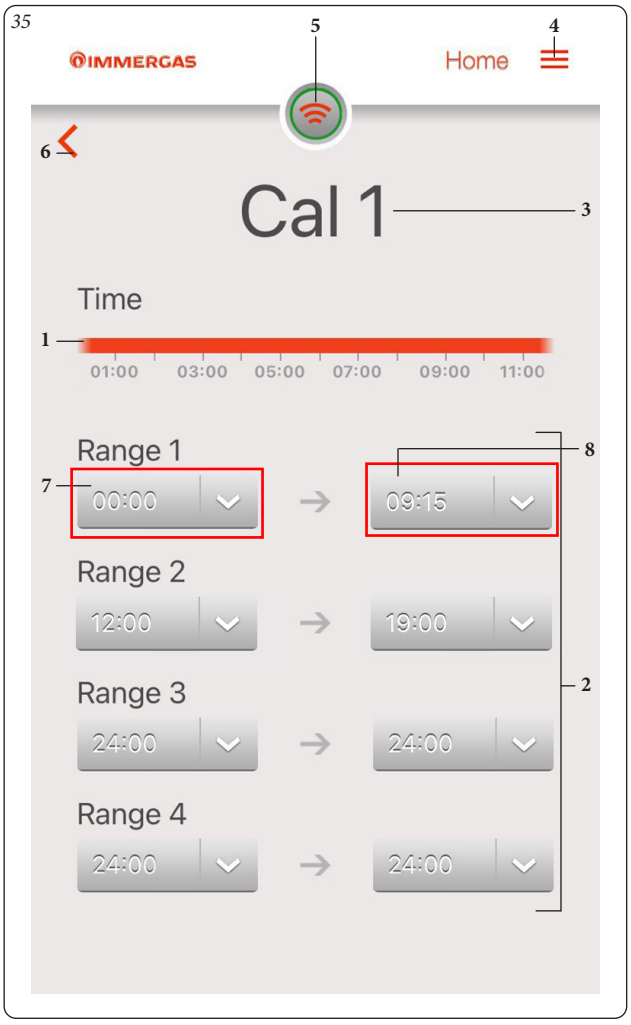
Clicking the button "Calendar assignment" (Ref. 2, Fig. 33) allows you to set the calendar for each day of the week (Fig. 3).

34



Ref	Description
1	Calendar definition buttons
2	Assignment of calendar to each day of the week
3	"Menu" access button
4	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
5	Button to go back to previous page/screen
6	Displays the Zone being defined

4.5 DESCRIPTION OF "CALENDAR DEFINITION" PAGE (FIG. 35).



Pressing the button "Definition of interval start time" (Ref. 7, Fig. 35) or "Definition of interval end time" (Ref. 8, Fig 35) allows you to access the screen where you may define the start time ON and end time OFF using the "+" and "-" buttons.

Ref	Description
1	Timeline
2	Ignition intervals
3	Displays the calendar being defined
4	"Menu" access button
5	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
6	Button to go back to previous page/screen
7	ON - definition of interval starting time 1
8	OFF - definition of interval end time 1

4.6. SELECTION OF OPERATING MODE.

You may select the following functions by pressing the "Operating mode" button (Ref. 1 Fig. 26): Standby, Summer, Winter.

Note: the room antifreeze function is active in the modes: summer, winter.

- **Off mode.** In this mode, the room antifreeze function is not active (it can only be activated and deactivated from the panel on the boiler).
- **Standby Mode ( ).** This mode only guarantees the room antifreeze and boiler function.
- **Summer mode ( ).** In this mode the system is enabled for producing domestic hot water excluding space central heating.
- **Winter mode ( ).** In winter mode the system is enabled for producing domestic hot water and for space central heating.

4.7 SUMMER MODE FUNCTIONS.

With the "Dominus" application in summer mode ( ), only the production of DHW is enabled.
The system produces hot water according to the DHW temperature set.

4.8 DHW TEMPERATURE SETTING.

Pressing the button "DHW temperature set" on the "Home" page (Ref. 19, Fig. 29) allows you to set the domestic hot water temperature.
The temperature is memorised after the button is pressed.

4.9 WINTER MODE FUNCTIONS.

With the system in winter mode ( ), the production of DHW and space central heating are enabled.
The room temperature is maintained constant at the value set by the user when a room probe is available for the selected zone; otherwise, the flow temperature set in the system is maintained.

4.10 TEMPERATURE SETTING.

Pressing the button "DHW temperature set" on the "Home" page (Ref. 19, Fig. 29) allows you to set the DHW temperature.
The temperature is memorised after the button is pressed.

To set the desired room temperature with the zone set in automatic ("Zone mode" = Auto) you must change the "Heat Comfort Set" temperature to adjust the temperature when central heating has been programmed active. Whereas changing the "Heat Eco Set" temperature adjusts the temperature when heating has not been programmed active. If the zone is set in manual mode ("Zone mode" = Man) the room temperature is adjusted by changing the Set temperature value in manual and this value will be maintained regardless of the schedule

Any room temperature from +10 to +35 can be selected, which will be kept constant until new adjustments are made or a different mode is selected.

If there are no room probes, the flow temperature can be adjusted by changing the "Set Flow" value. This value will be maintained when the calendar has been programmed active if the zone mode was set at Auto, while it will be maintained regardless of the schedule if the zone mode was set at Man.

N.B.: an excessively low boiler flow temperature adjustment (below 60°C for traditional systems) may not allow to reach the desired room temperature.

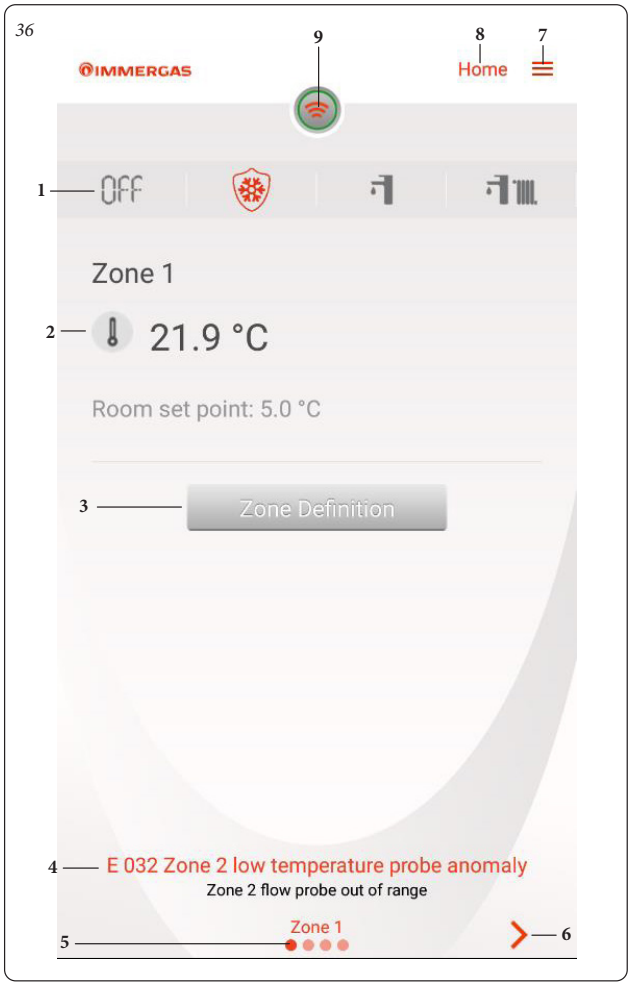
The system flow temperature during normal operation is anyhow managed automatically by the system itself based on the settings made.

5. SMARTPHONE CONNECTED TO A MAIOR/EXTRA BOILER.

5.1 DESCRIPTION OF "HOME" PAGE (FIG. 36 / 37 / 38 / 39).

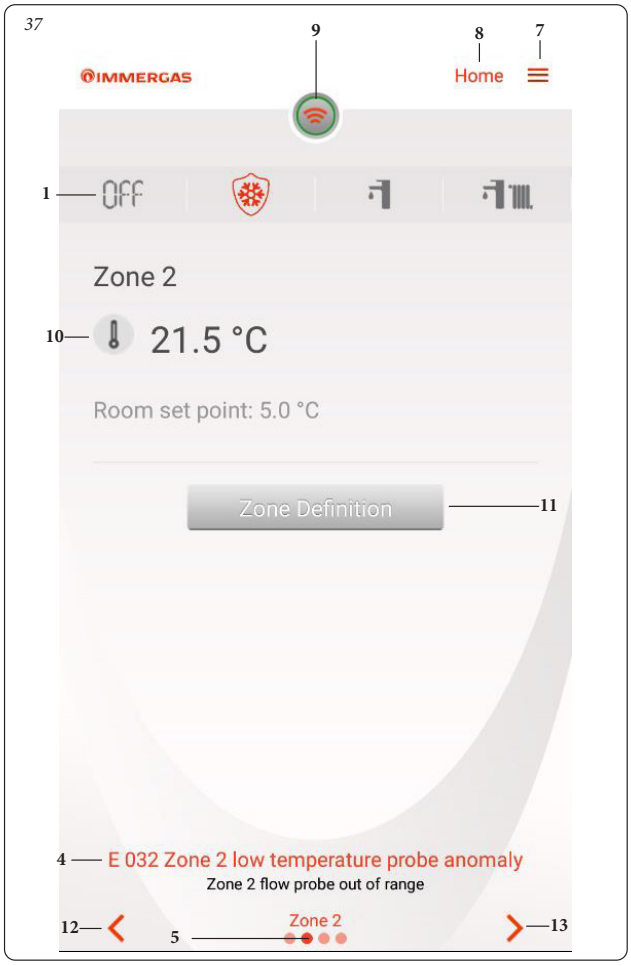
There is no initial summary page, but the "main information of the two zones and of DHW" are defined in several screens:

36

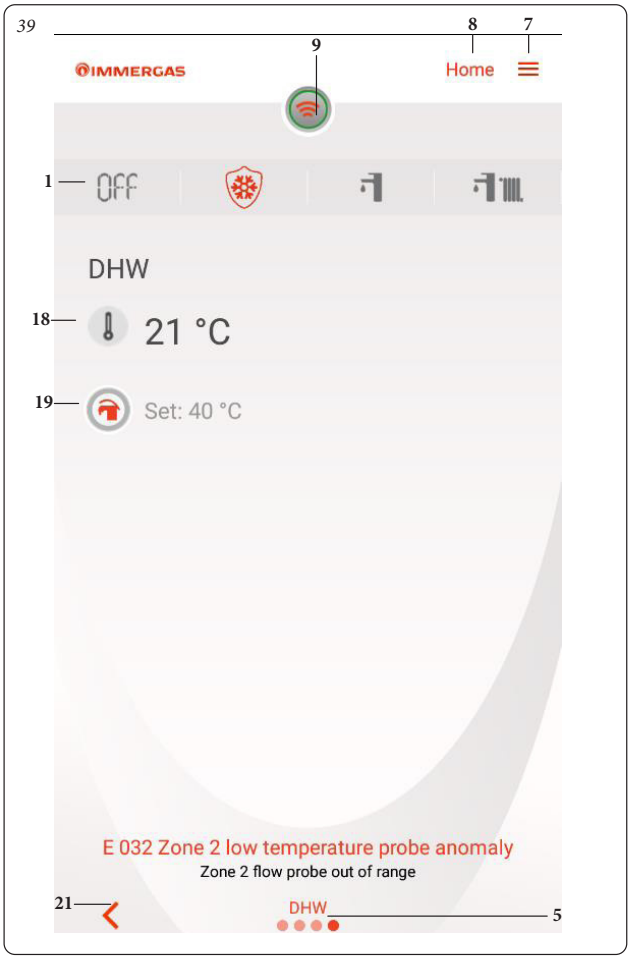


Ref	Description
1	Operating mode (OFF / STAND-BY / DHW / DHW + CH
2	Measured room temperature of Zone 1 display
3	Zone 1 room temperature set
4	Alarmss display
5	Indicator of the Displayed zone
6	Button to go to Zone 2
7	Button to access zone management
8	"Menu" access button
9	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
10	Measured room temperature of Zone 2 display
11	Zone 2 room temperature set

37



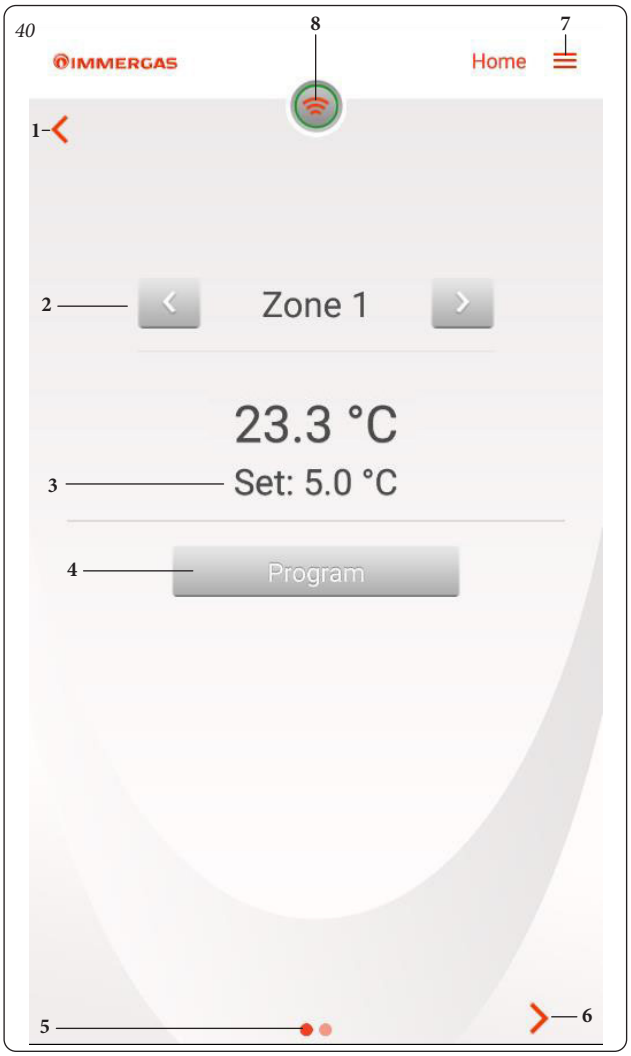
38



Ref	Description
12	Button to go back to Zone 1
13	Button to go to Zone 3
14	Measured room temperature of Zone 3 display
15	Zone 3 room temperature set
16	Button to go back to Zone 2
17	Button to go to DHW control
18	DHW temperature display
19	DHW temperature set
20	DHW schedule button
21	Button to go back to Zone 3

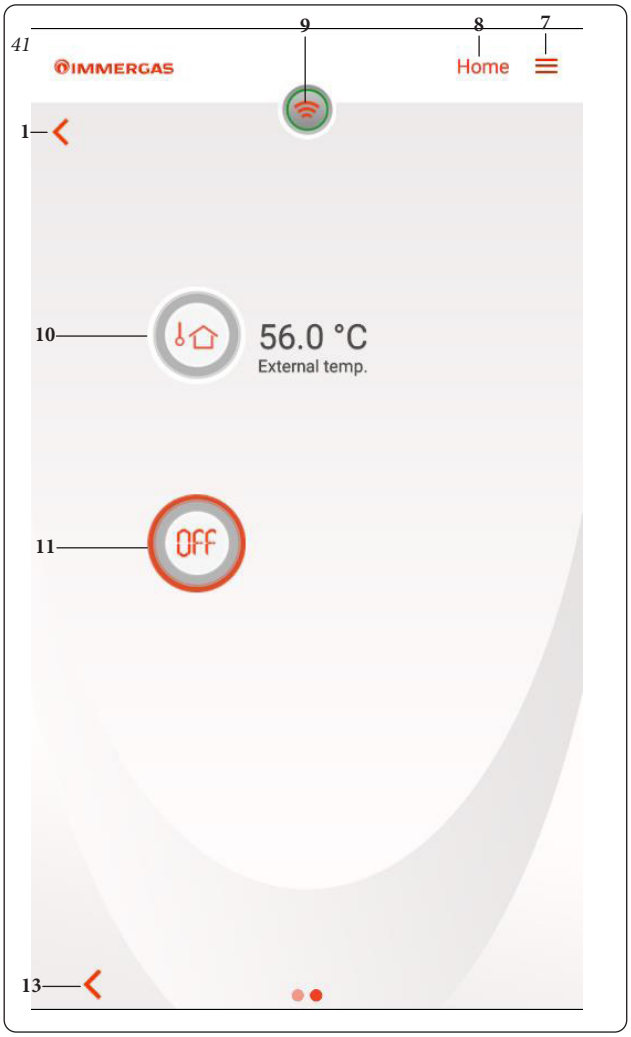
Pressing the "Manage Zone" key grants access to the manual room set editing screen and access to the "Programming" section

5.2 DESCRIPTION OF "ZONE MANAGEMENT" PAGE. (FIG. 40 / 41).

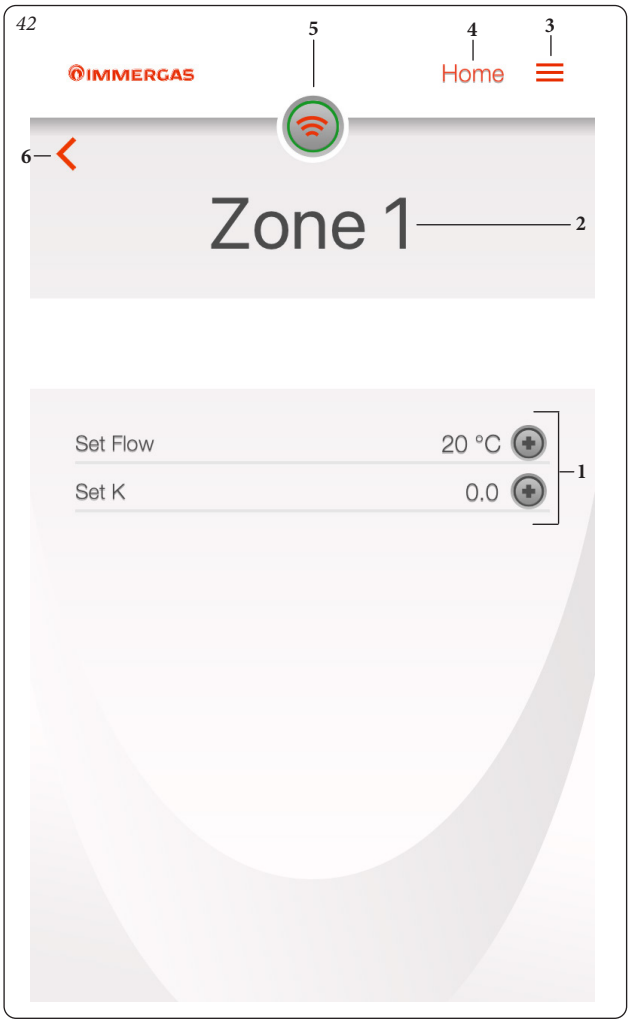


Ref	Description
1	Button to go to previous page/screen
2	Button to go to other zones
3	Room temperature set display
4	Button to go to Set / Programming screen
5	"Zone management" screen display
6	Indicator to go to additional information
7	"Menu" access button
8	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
9	Outdoor temperature display
10	Current boiler operation display
11	Indication of room Set used: - AUTO, follows the schedule set by the user; -Manual, follows any changes made by pressing the button (Ref. 4, Fig. 26)
12	Button to go back to the "Zone management" screen
13	"Additional information" screen display

For additional information, you must scroll to the next page



5.3 DESCRIPTION OF "SET / PROGRAMMING" PAGE (FIG. 42).



Ref	Description
1	Indicates the active calendar
2	Indicates the measured room temperature
3	Set editable with the "+" key
4	Schedule button
5	Displays the Zone being defined
6	"Menu" access button
7	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
8	Press to go back to the previous page

On the "Programming" page, you may define up to 4 calendars (Ref. 4, Fig. 40) to set the switch on and switch off time of the system throughout the day (Fig. 42) then usable to perform weekly programming (Fig. 42 and 43).

5.4. SELECTION OF OPERATING MODE.

You may select the following functions by pressing the "Operating mode" button (Ref. 1 Fig. 36): Standby, Summer, Winter.

- **Off mode.** In this mode, the room antifreeze function is not active (it can only be activated and deactivated from the panel on the boiler).
- **Standby Mode ( ).** This mode only guarantees the boiler antifreeze function.
- **Summer mode ( ).** In this mode the system is enabled for producing domestic hot water excluding space central heating.
- **Winter mode ( ).** In winter mode the system is enabled for producing domestic hot water and for space central heating.

5.6 SUMMER MODE FUNCTIONS.

With the "Dominus" application in summer mode ( ), only the production of DHW is enabled.
The system produces hot water according to the DHW temperature set.

5.7 DHW TEMPERATURE SETTING.

Pressing the button "DHW temperature set" on the "Home" page (Ref. 19, Fig. 39) allows you to set the domestic hot water temperature.
The temperature is memorised after the button is pressed.

5.8 WINTER MODE FUNCTIONS.

With the system in winter mode ( ), the production of DHW and space central heating are enabled.
The room temperature is maintained constant at the value set by the user when a room probe is available for the selected zone; otherwise, the flow temperature set in the system is maintained.

5.9 TEMPERATURE SETTING.

Pressing the button "DHW temperature set" on the "Home" page (Ref. 19, Fig. 39) allows you to set the DHW temperature.
The temperature is memorised after the button is pressed.

You can change the flow temperature by changing the "Flow Settings" value or, if there is an external probe, by acting on the "set K" value to change the flow correction law based on the outdoor temperature.

N.B.: an excessively low boiler flow temperature adjustment (below 60°C for traditional systems) may not allow to reach the desired room temperature.

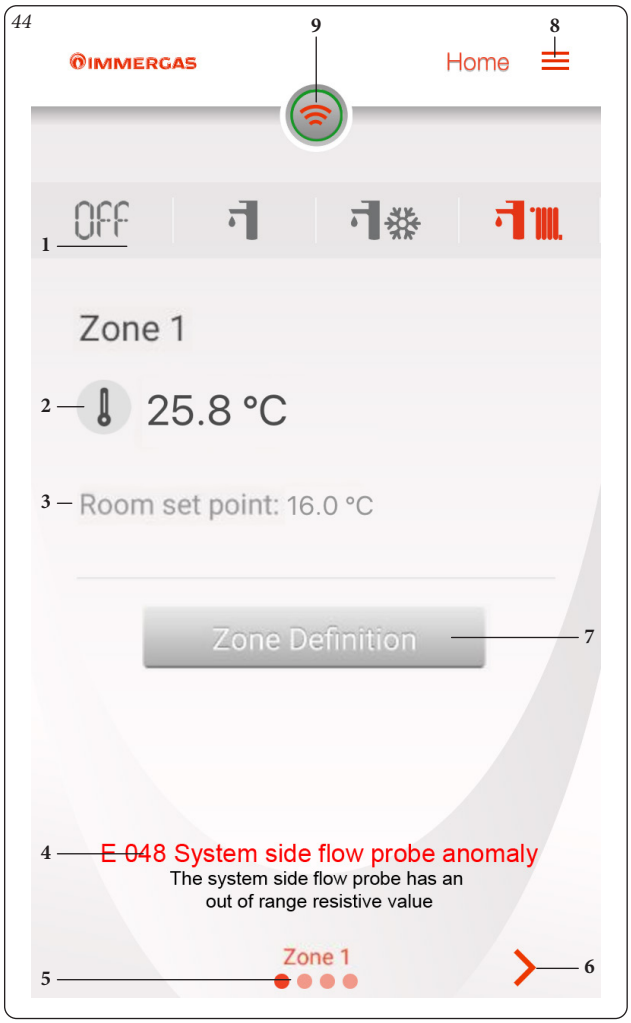
The system flow temperature during normal operation is anyhow managed automatically by the system itself based on the settings made.

6. SMARTPHONE CONNECTED TO A HYBRID SYSTEM.

6.1 DESCRIPTION OF "HOME" PAGE (FIG. 44 / 45 / 46 / 47).

There is no initial summary page, but the "main information of the zones and of DHW" are defined in several screens:

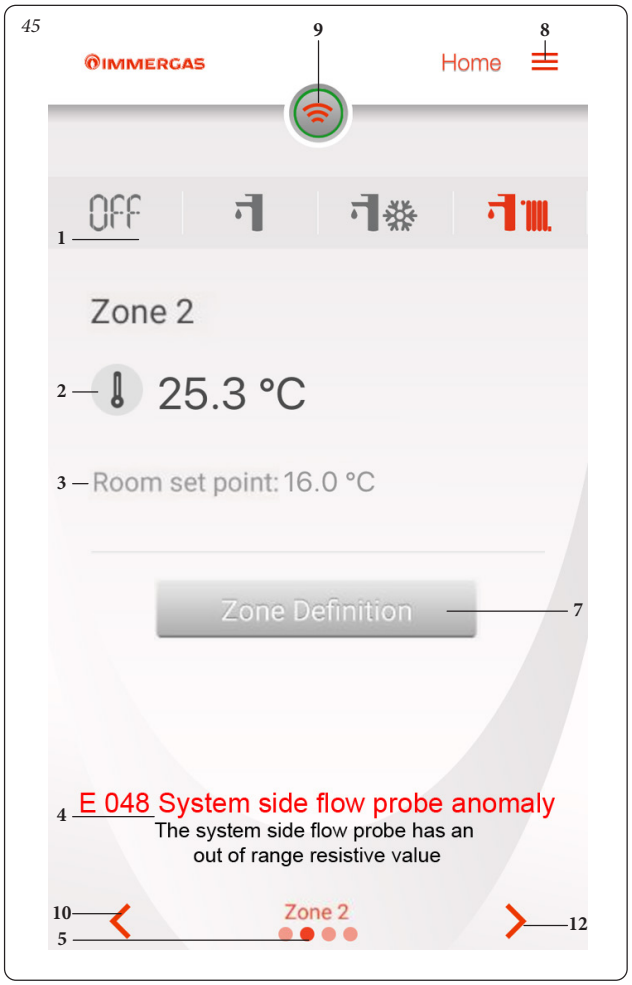
44

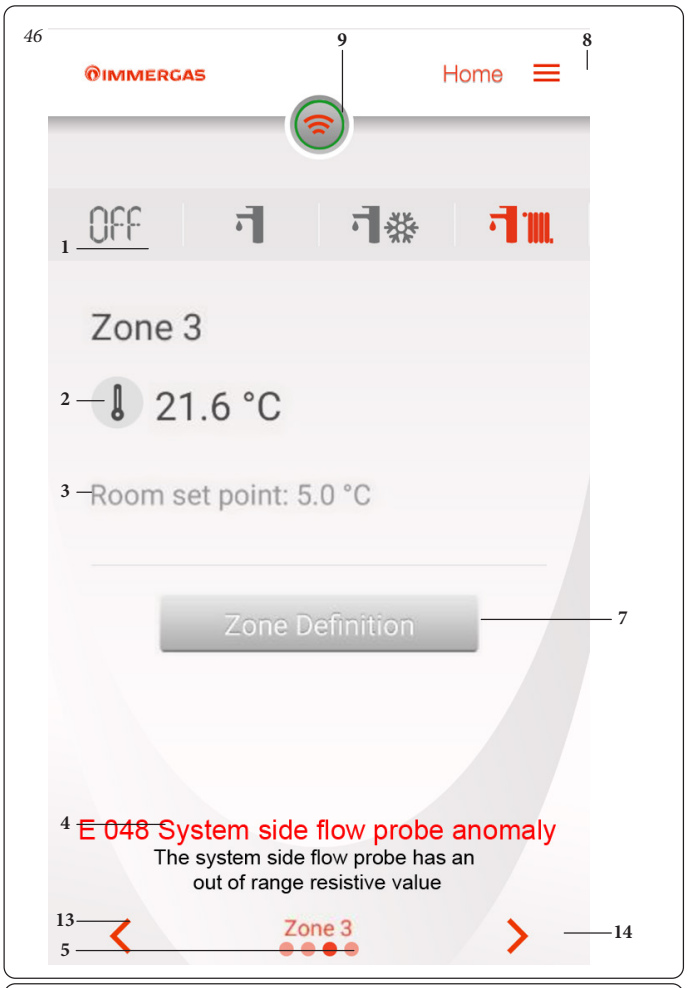


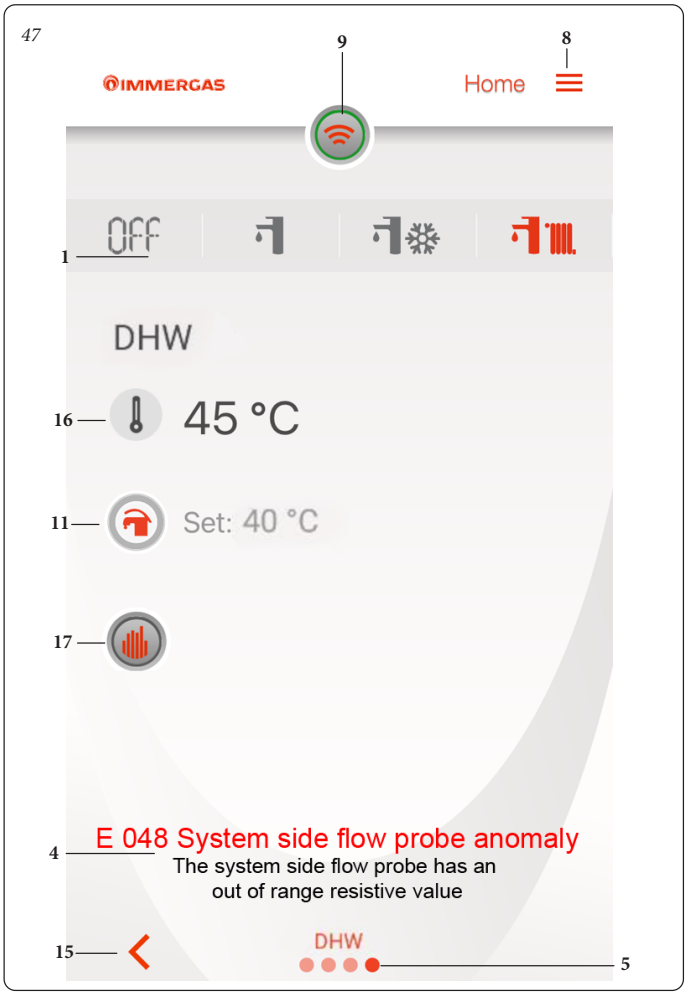
Ref	Description
1	Operating mode (STAND-BY / DHW / DHW + COOLING / DHW + C.H.)
2	Measured room temperature of Zone display
3	Zone room temperature set
4	Alarmss display
5	Indicator of the Displayed zone
6	Button to go to Zone 2
7	Button to access zone management
8	"Menu" access button
9	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
10	Button to go back to Zone 1
11	DHW temperature set
12	Button to go to Zone 3
13	Button to go back to Zone 2
14	Button to go to DHW control
15	Button to go back to Zone 3
16	DHW temperature display
17	DHW schedule button

Pressing the "Manage Zone" key grants access to the manual room set editing screen and access to the "Programming" section

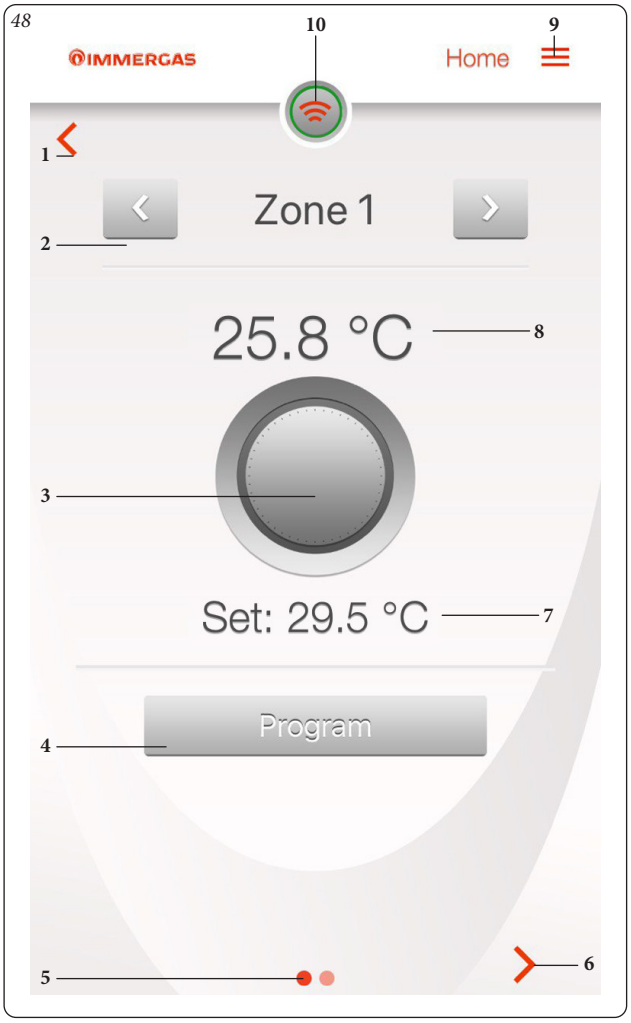
45





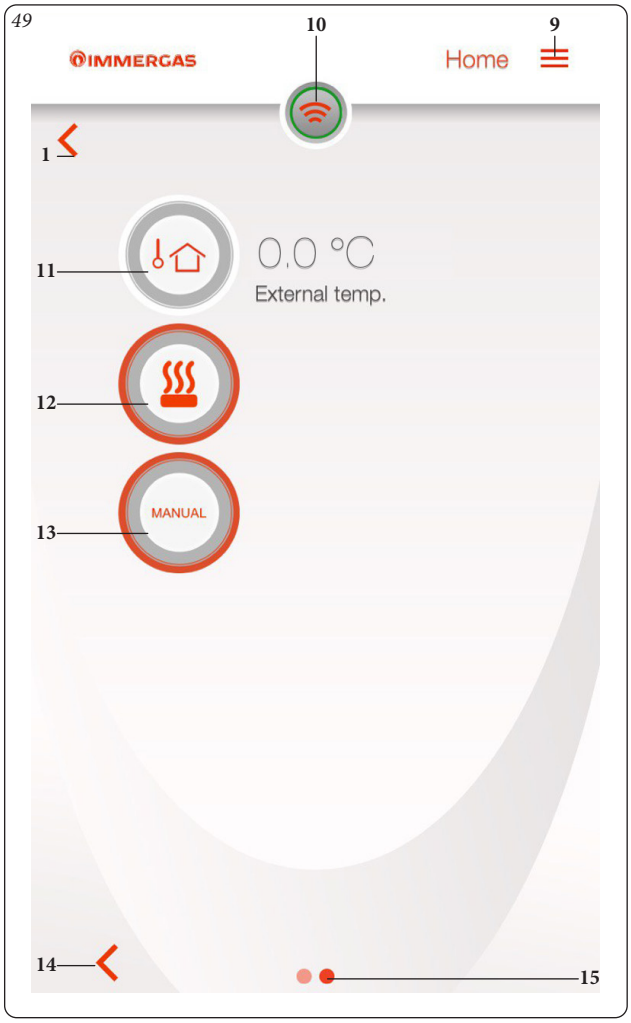


6.2 DESCRIPTION OF "ZONE MANAGEMENT" PAGE. (FIG. 48 / 49).

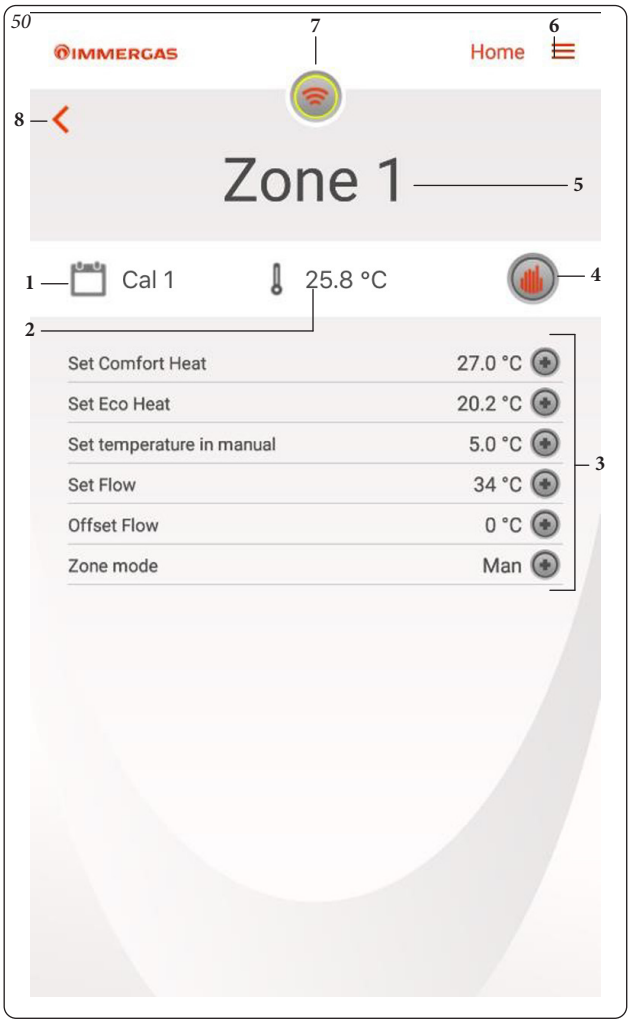


Ref	Description
1	Button to go to previous page/screen
2	Button to go to other zones
3	"Set Room" temperature adjustment knob
4	Button to go to Set / Programming screen
5	Zone management screen display
6	Button to go to additional information screen
7	Display of set temperature for concerned zone
8	Measured room temperature of Zone 1 display
9	"Menu" access button
10	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
11	Outdoor temperature display
12	Current boiler / heat pump operation display
13	Indication of room Set used: - Economy/Comfort, follows the schedule set by the user; -Manual, follows any changes made by pressing the knob (Ref. 3, Fig. 44)
14	Button to go back to Zone management screen
15	"Additional information" screen display

For additional information, you must scroll to the next page



6.3 DESCRIPTION OF "SET / PROGRAMMING" PAGE (FIG. 50).



Ref	Description
1	Indicates the active calendar
2	Indicates the measured room temperature
3	Set editable with the "+" key
4	Schedule button
5	Displays the Zone being defined
6	"Menu" access button
7	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
8	Press to go back to the previous page

On the "Programming" page, you may define up to 4 calendars (Ref. 4, Fig. 48) to set the switch on and switch off time of the system throughout the day (Fig. 50) then usable to perform weekly programming (Fig. 50 and 51).

6.4 DESCRIPTION OF "WEEKLY PROGRAMMING" PAGE (FIG. 51).

Clock and programs.

From this menu, it is possible to set the time slots for operation in Comfort and Economy mode.

- **Time slots.** The Dominus enables you to set 4 calendars with 4 time operating slots in system comfort mode. The system will operate in economy mode during out-of-range time of these 4 time slots.

  After setting these 4 calendars it is possible to associate them to the various days of the week (Ref. 2, Fig. 51).

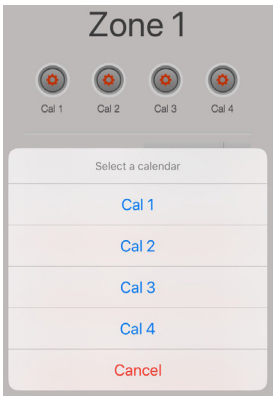
- Having entered the menu by pressing "Cal. n." (Ref. 1, Fig. 51) you go to the screen to define the switch on/off intervals.

- When you've finished programming a calendar, pressing the go back to previous page button allows you to program any other available calendars.

51

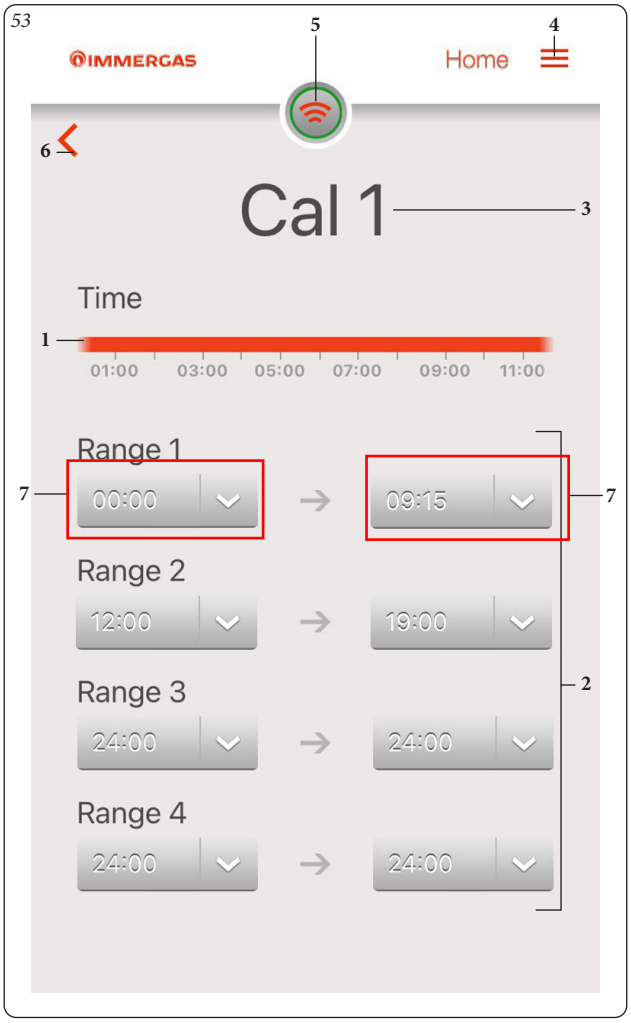
Clicking the button "Calendar assignment" (Ref. 2, Fig. 51) allows you to set the calendar for each day of the week (Fig. 51).

52



Ref	Description
1	Calendar definition buttons
2	Assignment of calendar to each day of the week
3	"Menu" access button
4	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
5	Button to go back to previous page/screen
6	Displays the Zone being defined

6.5 DESCRIPTION OF "CALENDAR DEFINITION" PAGE (FIG. 53).



Pressing the button "Definition of interval start time" (Ref. 7, Fig. 28) or "Definition of interval end time" (Ref. 8, Fig. 28) allows you to access the screen where you may define the start time ON and end time OFF using the "+" and "-" buttons.

Ref	Description
1	Timeline
2	Ignition intervals
3	Displays the calendar being defined
4	"Menu" access button
5	Enable Wi-Fi connection button (it flashes to display the connection active; red frame =not connected, yellow= connecting, green=connected)
6	Button to go back to previous page/screen
7	ON - definition of interval starting time 1
8	OFF - definition of interval end time 1

6.6. SELECTION OF OPERATING MODE.

You may select the following functions by pressing the "Operating mode" button (Ref. 1 Fig. 44): OFF, Summer, Winter, Cooling.

Note: the room antifreeze function is active in the modes: summer, winter.

- **Off mode.** The room anti-freeze function is not guaranteed in this mode (the boiler anti-freeze function remains active).
- **Summer mode ( ).** In this mode the system is enabled for producing domestic hot water excluding space central heating.
- **Winter mode ( ).** In winter mode the system is enabled for producing domestic hot water and for space central heating.
- **Cooling mode ( ).** In cooling mode, the system is enabled for the production of domestic hot water for cooling rooms.

6.7. SUMMER MODE FUNCTIONS.

With the "Dominus" application in summer mode ( ), only the production of DHW is enabled.
The system produces hot water according to the DHW temperature set.

6.8 DHW TEMPERATURE SETTING.

Pressing the button "DHW temperature set" on the "Home" page (Ref. 11, Fig. 44) allows you to set the domestic hot water temperature.
The temperature is memorised after the button is pressed.

6.9. WINTER MODE FUNCTIONS.

With the system in winter mode ( ), the production of DHW and space central heating are enabled.
The room temperature is maintained constant at the value set by the user when the room temperature value is available; otherwise, the flow temperature set in the system is maintained.

6.10 TEMPERATURE SETTING.

Pressing the button "DHW temperature set" on the "Home" page (Ref. 11, Fig. 44) allows you to set the domestic hot water temperature.
The temperature is memorised after the button is pressed.

To set the desired room temperature, simply rotate the knob (Ref. 3, Fig. 48) on the "Zone management" page. The display will show, in real time, the room temperature set (Ref. 7, Fig. 48).

Any room temperature from +10 to +35 can be selected, which will be kept constant until new adjustments are made or a different mode is selected.

From the winter function ( ) to adjust the flow temperature, press the button "+" on the "Set / Programming" page (Ref. 3, Fig. 50). The temperature is memorised after the button is pressed.

N.B.: an excessively low boiler flow temperature adjustment (below 60°C for traditional systems) may not allow to reach the desired room temperature.

The system flow temperature during normal operation is anyhow managed automatically by the system itself based on the settings made.

6.11. COOLING MODE FUNCTIONS.
With the system in cooling mode (), both DHW and room cooling functions are enabled.

Attention: this function can only be used with Immergas appliances that manage the cooling mode.

The room temperature is maintained constant at the value set by the user when the room temperature value is available; otherwise, the flow temperature set in the system is maintained.

6.12 TEMPERATURE SETTINGS.
Pressing the button "DHW temperature set" on the "Home" page (Ref. 11, Fig. 44) allows you to set the domestic hot water temperature.
The temperature is memorised after the button is pressed.

To set the desired room temperature with the device connected to a hybrid system, simply turn the knob (Ref. 3, Fig. 23) on the "Zone management" page. The display will show, in real time, the room temperature set (ref. 7, Fig. 48).

Any room temperature from +10°C to +35°C can be selected, which will be kept constant until new adjustments are made or a different mode is selected.

From the cooling function () you may adjust the flow temperature of the system. Press the "+" button of the "Set / Programming" page (Ref. 3, Fig. 50). The temperature is memorised after the button is pressed.

The system flow temperature during normal operation is anyhow managed automatically by the system itself based on the settings made.

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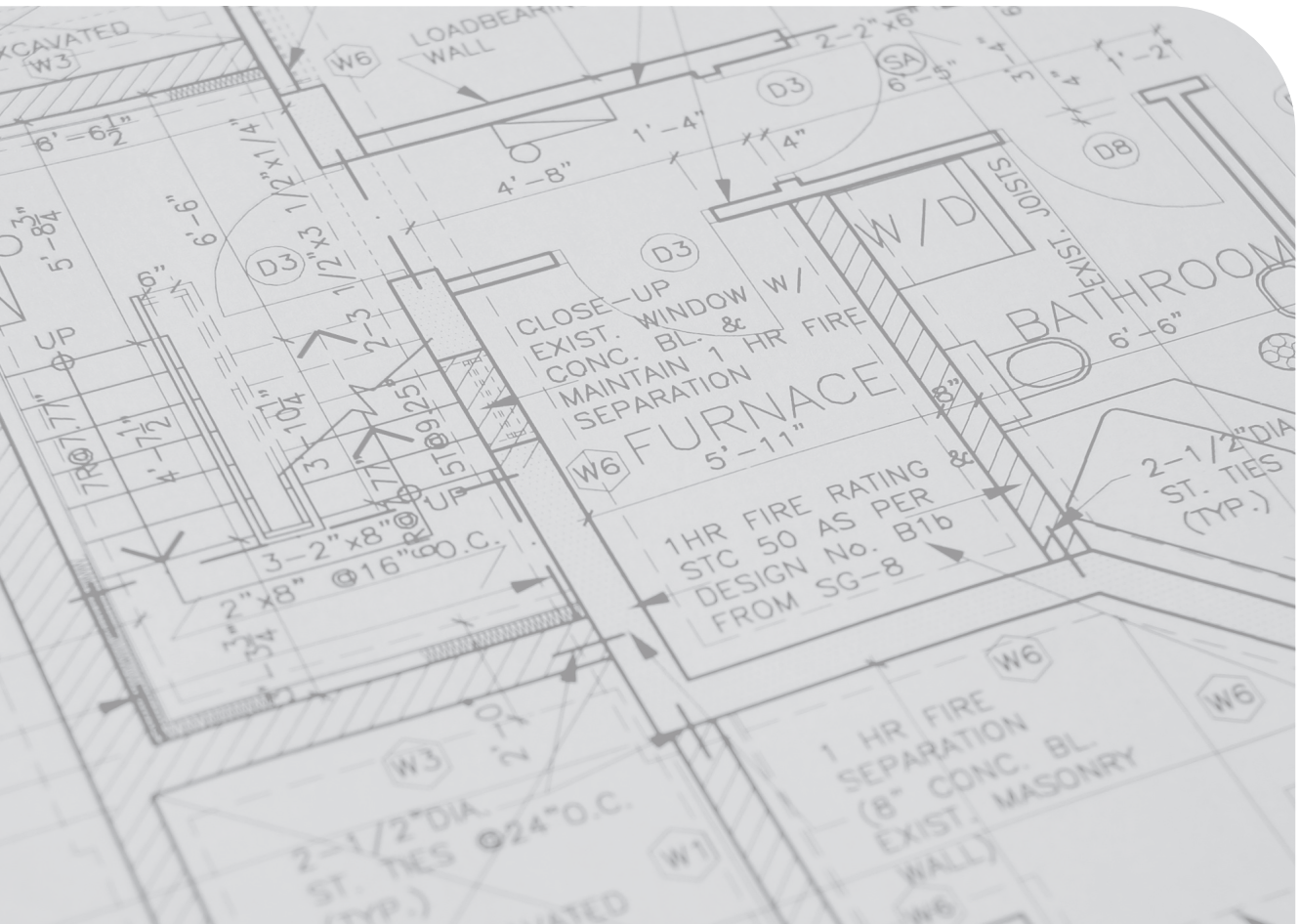
consulenza@immergas.com

During the useful life of the products, performance is affected by external factors, e.g. the hardness of the DHW, atmospheric agents, deposits in the system and so on.
The data declared refer to new products that are correctly installed and used with respect to the Standards in force.
N.B.: correct periodic maintenance is highly recommended.

The instruction manual is printed on eco-friendly paper.



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