

MANUAL  
USERS

Instructions and warnings **IE**

\*1.045008ENG\*



# SMARTeCH PLUS KIT GATEWAY WI-FI



## ***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 your "SMARTECH PLUS" chrono-thermostat and the "GATEWAY Wi-Fi" kit.*

*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 device.*
- *For assistance and scheduled maintenance, contact "Authorised Technical After-Sales centres": they have original spare parts and are specifically trained.*

*The manufacturer Immergas S.p.A., hereby declares that the "Smartech Plus" radio appliance and "GATEWAY Wi-Fi" kit complies with directive 2014/53/EU.*

*For further details on the product CE marking, request a copy of the Declaration of Conformity from the manufacturer, specifying the appliance model and the language of the country.*

The manufacturer declines all liability due to printing or transcription errors, reserving the right to make any modifications to its technical and commercial documents without forewarning.

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## 1 INSTALLATION AND PAIRING APP.

### 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 Smartech" in the search field.

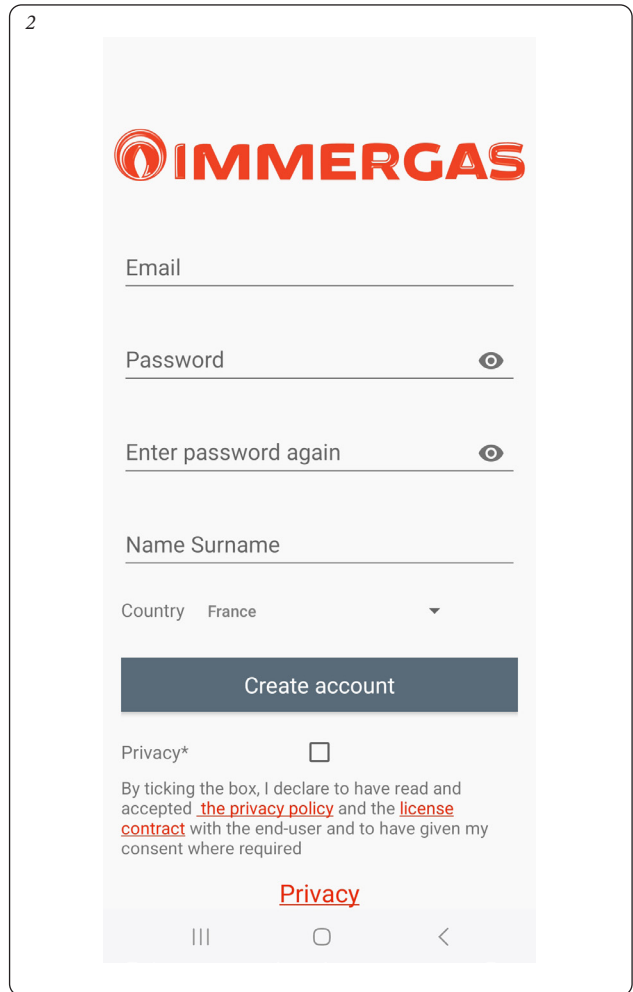
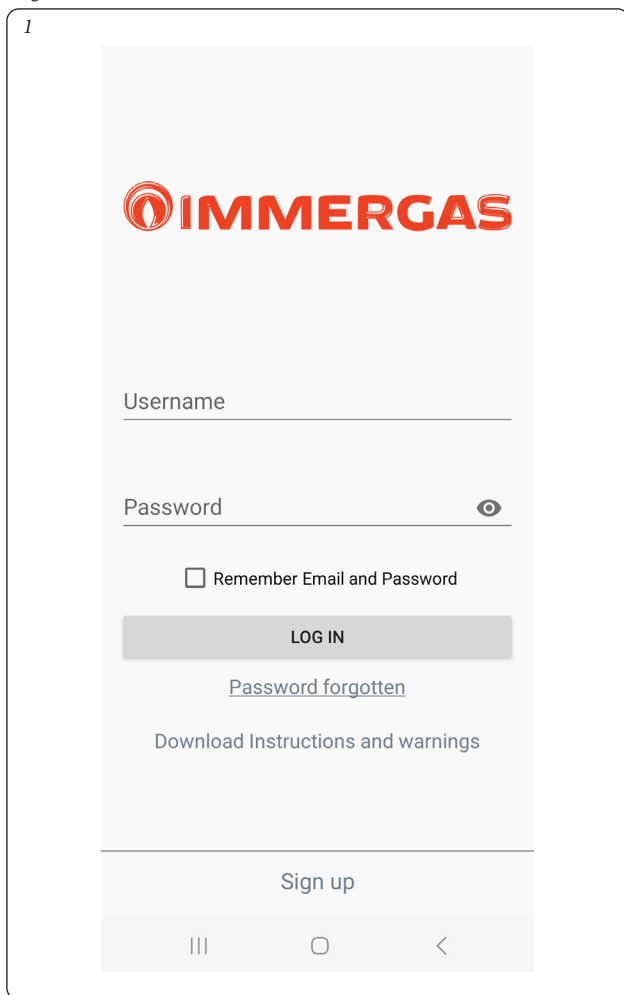
The app works with IOS 12 operating system or higher (Apple) and Android 10 or higher.

**Note:** the Wi-Fi network which Smartech Plus or the and Gateway Wi-Fi kit must be connected to must have WPA2 PSK encryption, otherwise there might be some incompatibility.

### 1.2 CREATING ACCOUNTS.

Start the "Smartech" app.

The following screen appears on the display of the mobile device when the app starts up, allowing you to login (Fig. 1), or to create a new account (Fig. 2).



### 1.3 PAIRING APPLICATION (APP) TO SMARTECH PLUS / GATEWAY WI-FI KIT.

**Note:** before performing this operation, make sure you have the name and password of the Wi-Fi network you want to connect to and ensure this network has an Internet connection. Do not use a hotspot when pairing. Make sure that your Smartphone is connected to this network.

**Note:** if you have already connected the Gateway to your account, but want to change the Wi-Fi connection to which you are connected, refer to sec. 2.8, Ref. 3, and follow the guided procedure.

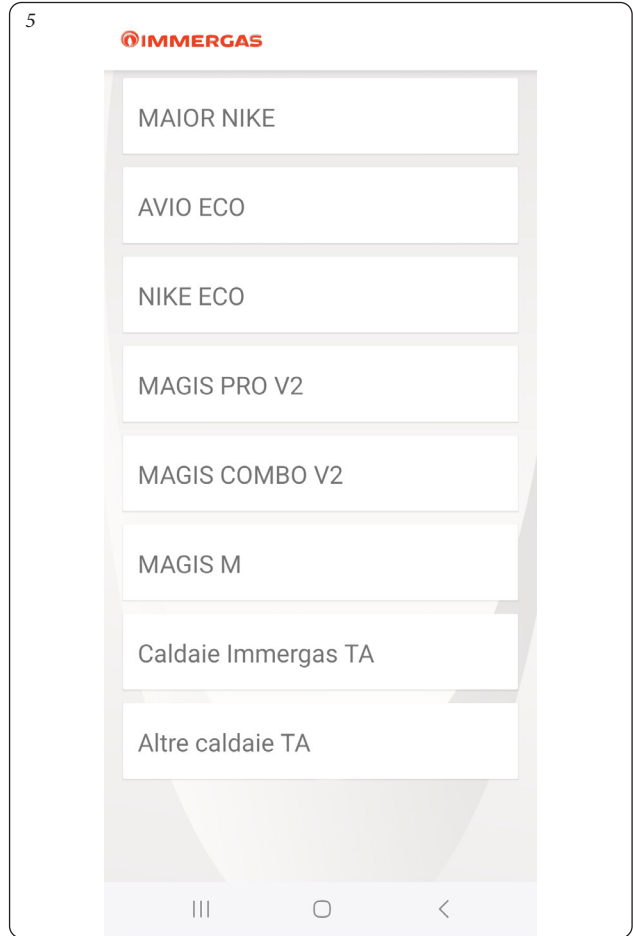
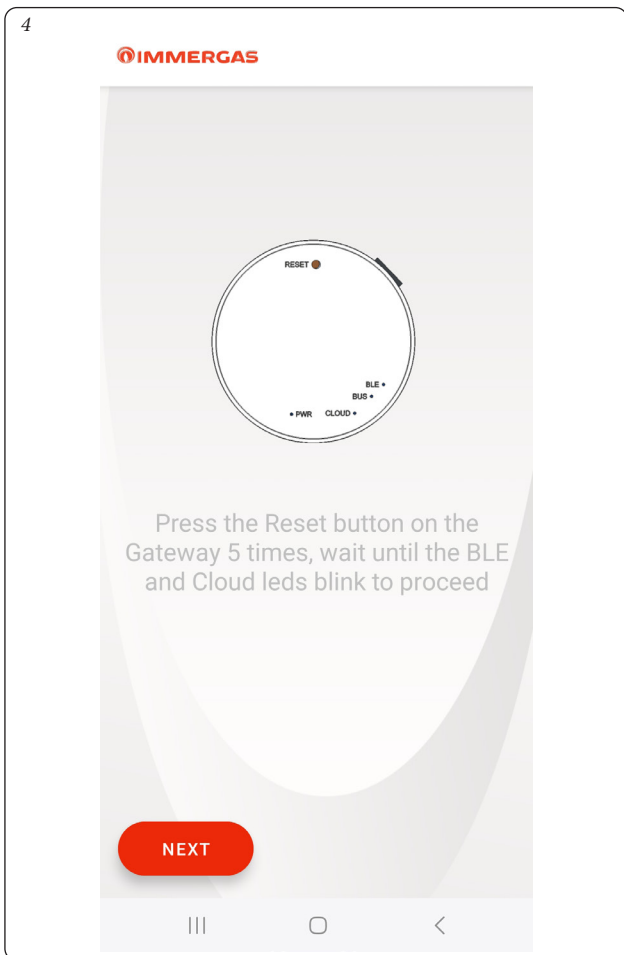
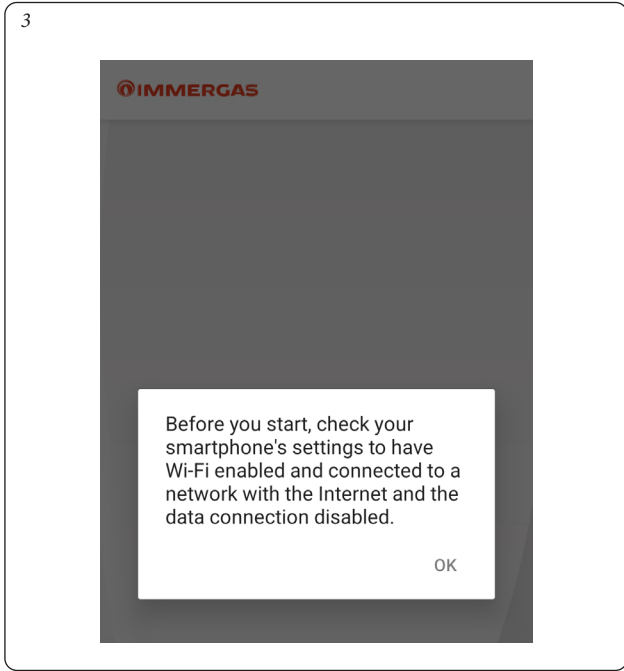
- Enter a valid email address.
- Enter a password which will then be used to access the registered account.
- Enter the password again to confirm the one previously entered.
- Enter name and surname.
- After entering the requested data, press "Create account".

Within a few minutes, you will receive an email at the address entered during creation of the account containing a code. Check for the email in the spam box.

Enter this code in the appropriate field in the app and confirm by pressing "Create account".

Open the “Smartech” App, login, the message “No device has yet been added” will appear, press “+” at the bottom right. Follow the wizard (Fig. 3 and Fig. 4).

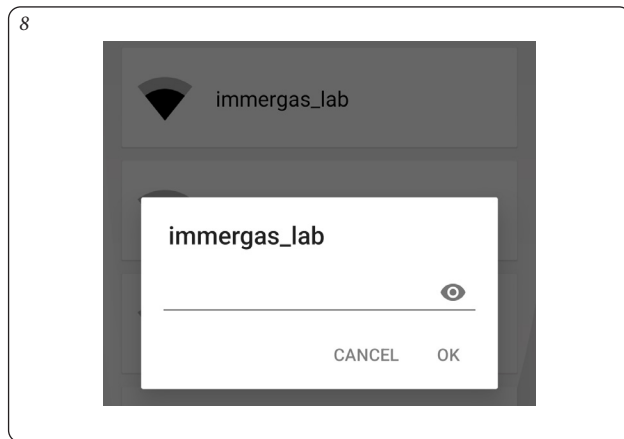
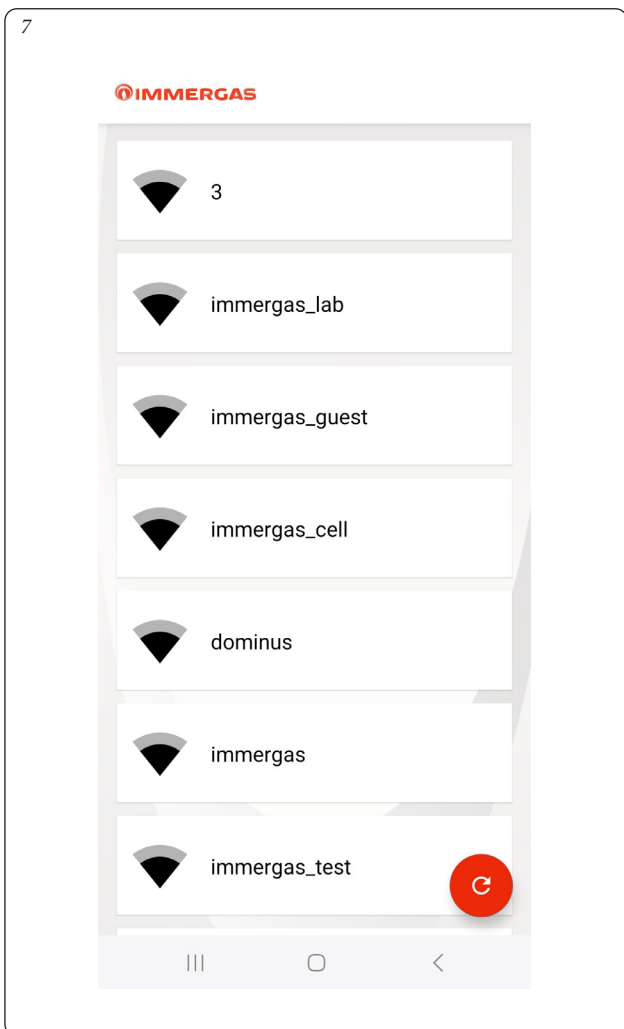
- Select the generator model from the proposed list (Fig. 5). The name is shown on the generator control panel (see example Fig. 6) or on the data nameplate (Ref. 1, Fig. 14).





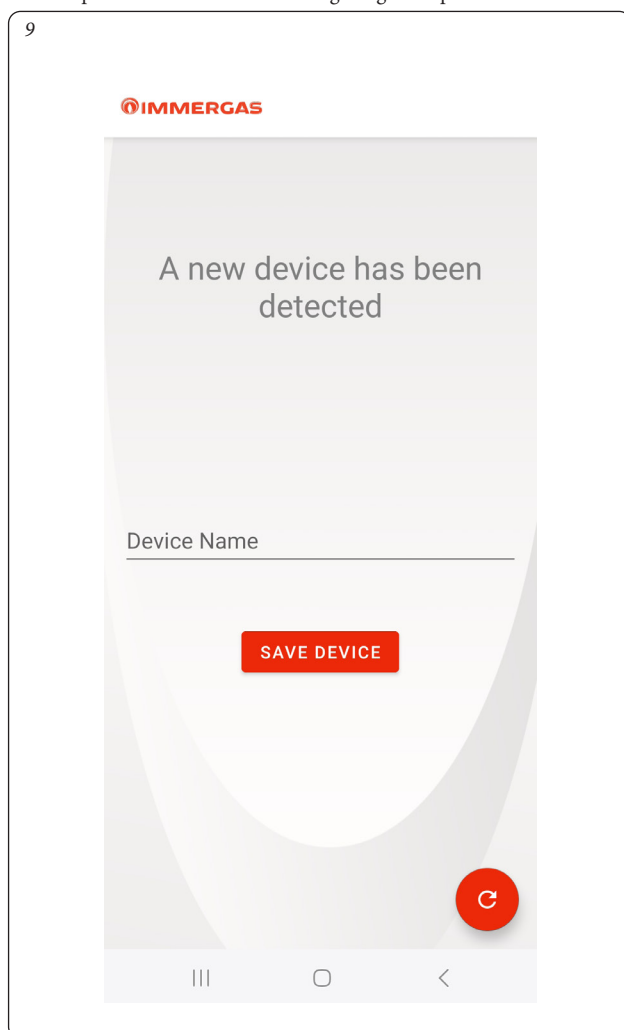
**Note:** by selecting “Immergas TA boilers” or “Other TA boilers” only operation with the “room thermostat” with TA potential-free contact ignition is possible (mode not available for Wi-Fi Gateway Kit).

Choose the Wi-Fi network to which you want to connect the Gateway (Fig. 7) (2.4Ghz compatible networks, for further information see Par. 7.6) and type the correct password (Fig. 8).



After connecting to the Cloud, the message indicating the presence of a new device will appear (Fig. 9).

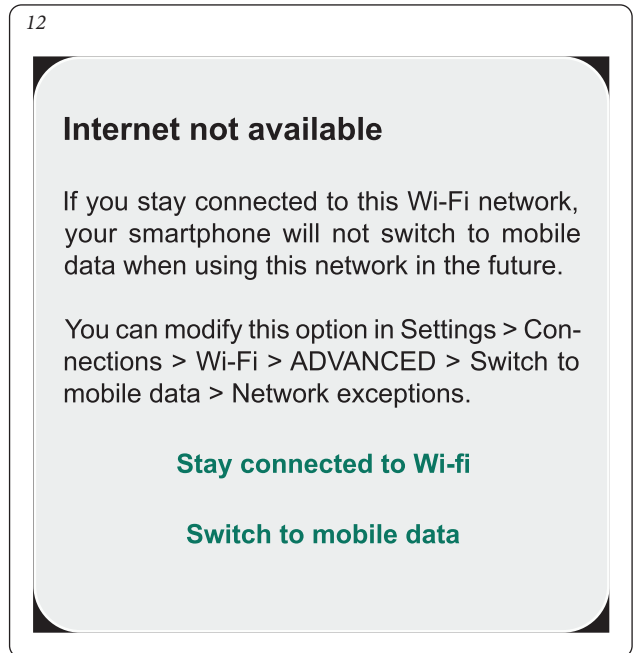
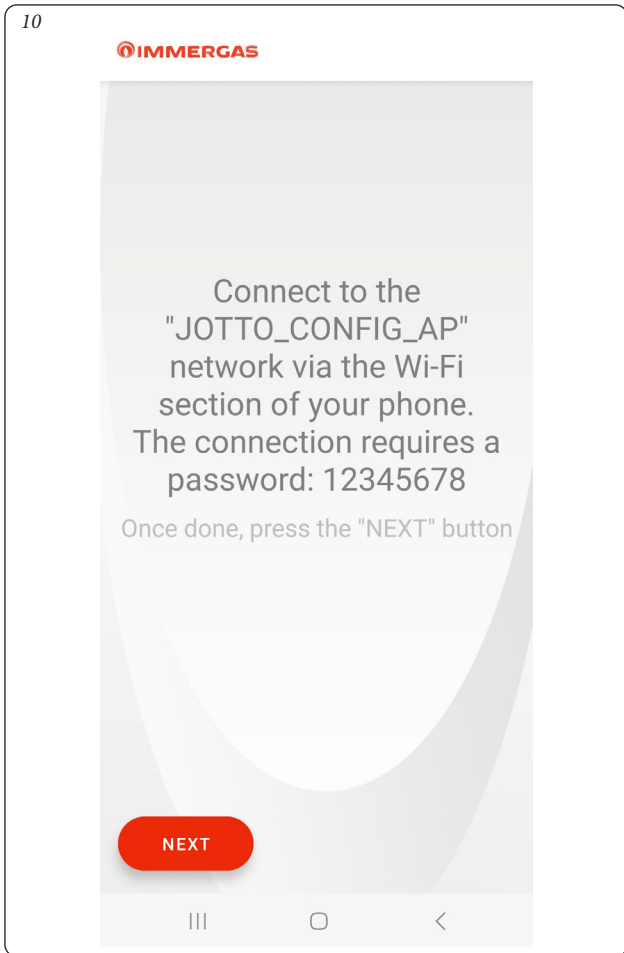
Type the name you want to give to the device then press “SAVE DEVICE” and complete the installation following the guided procedure.



**Note:** if no device is found, follow the manual setup procedure remembering the network name and password indicated in (Fig. 10). Press the “CONTINUE” button and then on the next screen (Fig. 11) press the button at the bottom left. If a warning appears on the telephone of no Internet connection, press “maintain WI-FI connection” (Fig. 12).

**Note:** in the following paragraphs, System means the assembly of a generator, of a Gateway connected to it, and possibly one or more temperature control devices managed via the same Gateway.

It is not possible to connect more than one Gateway to the same generator.



**Note:** the text in Fig. 12 is purely indicative, as it may undergo some variations based on the phone model used.

### 1.4 REGISTRATION.

To complete the pairing procedure of the Gateway with an Immergas generator, the following registration screen will appear where you must fill in the Form to identify the system and customer.

Ref	Description
1	Generator model previously selected from the list (Fig. 5)
2	Enter the generator serial number (Ref. 2, Fig. 14)
3	Enter the generator serial number control code (Ref. 3, Fig. 14)
4	Enter name
5	Enter surname
6	Enter your phone number
7	Select the country where the system is installed (pre-filled)
8	Select the province and Post Code where the system is installed (pre-filled)
9	E-mail address (pre-filled and non-editable)

- Enter the generator serial number (Ref. 2, Fig. 13) applied on the generator data nameplate (Ref. 2, Fig. 14).
- Enter the generator serial number (Ref. 3, Fig. 13) applied on the generator data nameplate (Ref. 3, Fig. 14).

- Then enter the other data required by the registration form.
- At the end press “Next”.

## 2 SMARTTECH PLUS.

### 2.1 TEMPERATURE CONTROL MODE.

The room thermoregulation function created by Smarttech Plus can be modulated or On/Off type depending on the paired generator model and the type of electrical connection made (see installation instruction leaflet). If the connection between the Smarttech Plus Gateway and the generator is made via IMG Bus and/or ModBus (only enabled models), it will be in modulated operation and the generator display will show the remote control symbol (see installation instruction leaflet).

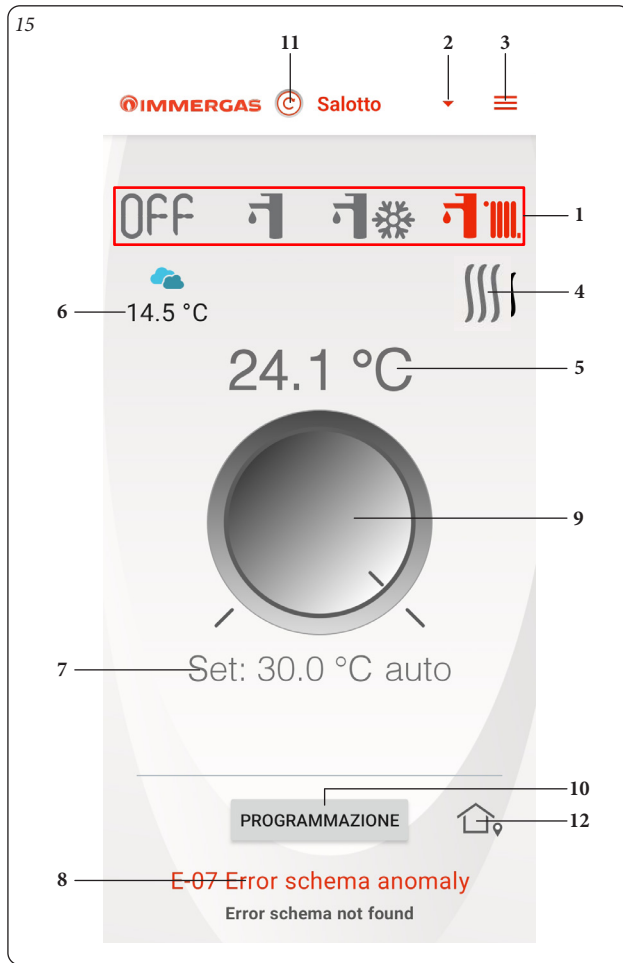
Otherwise if the connection is made via the room thermostat (TA) contact, operation will be the On/Off type.

- **On/Off functioning:** Smarttech Plus allows you to set, using the Chrono-thermostat or the App, the desired room temperature and the operating mode: manual or automatic, according to the set weekly programming. In this case the temperature of the water supplied by the generator and used to air condition the room (hereinafter 'system flow temperature') will be kept constant until the intended room temperature is reached.
- **Modulated operation:** the temperature of the water dispensed by the generator in this operating mode will be changed by adjusting it to the actual needs of the room to be air conditioned, in order to obtain the desired room temperature with extreme precision and therefore with evident saving in consumption. In this mode, in addition to the settings available in On/Off mode, Smarttech Plus acts a remote control and, by means of the Chrono-thermostat or the App, you may intervene on the main parameters of the system, such as flow and domestic hot water temperature and view any error codes. The control panel of the generator is partially disabled; however the reset button, the shutdown button (Off only), the display showing the operating status and any specific additional functions of the generator remain active. Furthermore operation with external probe (see paragraph 2.9.5) and, when paired with boilers with storage tank unit, the domestic hot water programming (see paragraph 2.9.14 to 2.9.16) are enabled.

**Note:** any commands sent via Smartphone can be indicated on the Chrono-thermostat or on the generator display with a few seconds delay.



## 2.2 DESCRIPTION OF MAIN WINDOW (FIG. 15).



Ref	Description
1	Operating mode (STAND-BY / DHW / DHW + COOLING / DHW + C.H.).
2	List and selection of connected devices (max. 18 devices).
3	Windows selection button (CONFIGURATION / INSTRUCTIONS AND WARNINGS / ADD NEW DEVICE / LOGOUT).
4	Central heating or cooling demand in progress.
5	Measured room temperature display.
6	Displays current weather forecast and outdoor temperature.
7	Temperature and operating mode display: - <b>Auto</b> , follows hourly programming set by the user; - <b>Auto/Man</b> , starting from automatic (Auto) mode, follow any changes in room temperature made using the knob (Ref. 9, Fig. 15) until the next scheduled time slot. - <b>Manual</b> , maintains the room temperature set with the knob (Ref. 9, Fig. 15).
8	Faults display (not available for generators connected to room thermostat).
9	Knob to set room temperature.
10	Schedule windows access button.
11	Manual update of the data.
12	Away function (Par. 5)

## 2.3 SELECTION OF OPERATING MODE.

The buttons (Ref. 1, Fig. 15) allow you to select the following operating modes: OFF, Summer, Winter, Cooling.

**N.B.:** the room antifreeze function is active in the modes: OFF, summer.

- **Off mode (OFF)**. This mode only guarantees the room 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. The room temperature is maintained constant at the set value.
- **Cooling mode (if applicable) (❄️)**. In cooling mode the system is enabled for the DHW production and to control an outdoor condensing unit (only for models set-up) for space cooling.

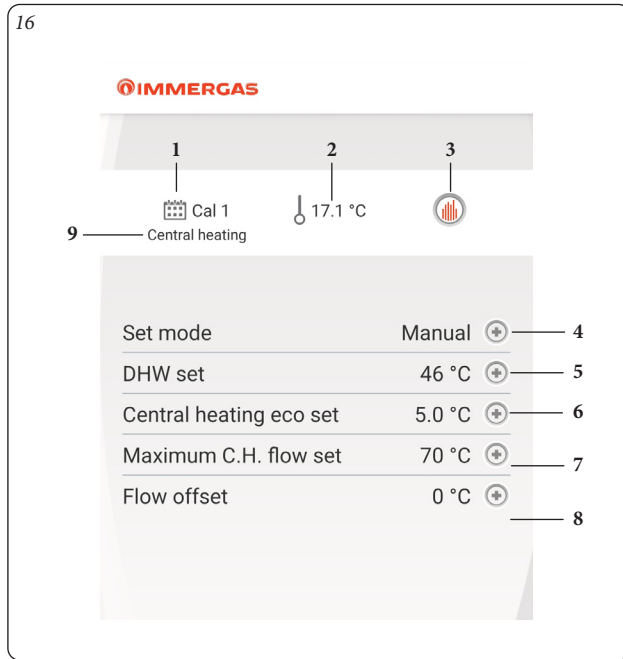
**N.B.:** after selecting the operating mode, wait for the symbol to turn red confirming that the generator has received the command.

## 2.4 ROOM TEMPERATURE SETTING.

To set the desired room temperature, simply rotate the knob (Ref. 9, Fig. 15) on the main window. This window will show, in real time, the set room temperature (Ref. 7, Fig. 15).

It is possible to select any room temperature from +4.5°C to +30°C. This setting will be kept constant until new adjustments are made or until a different operating mode is selected.

**2.5 DESCRIPTION OF “PROGRAMMING” WINDOW (FIG. 16).**  
Press the “Programming” button (Ref. 10 Fig. 15) to access the “Programming” window (see Fig. 16).



Ref	Description
1	Display of current calendar
2	Display of room temperature
3	Weekly programming setting or change
4	Setting automatic/manual mode: - <b>Auto</b> , follows hourly programming set by the user; - <b>Manual</b> , maintains the temperature set by the user with the knob (Ref. 9, Fig. 15)
5	DHW temperature setting (not available for generators connected to room thermostat)
6	- <b>Eco CH setting</b> : room temperature setting outside of the programmed time slots of the calendar in winter mode (central heating); - <b>Eco cooling setting</b> : room temperature setting outside of the programmed time slots of the calendar in cooling mode;
7	Maximum system flow temperature setting (not available for generators connected to room thermostat)
8	System flow temperature increase/decrease setting calculated by the system (not available for generators connected to room thermostat)
9	Display of operating mode paired with the current calendar: - <b>Central heating</b> , (winter operating mode); - <b>Cooling</b> , (cooling operating mode);

The fields mentioned above may vary based on the boiler model connected to the device.

If any Smartech Plus expansion kits are present in the system (multi-zone system), the complete commands will only be available in the main window paired with the main zone.

**2.6 DESCRIPTION OF “WEEKLY PROGRAMMING” WINDOW (FIG. 17).**

**Clock and programs.**

This window allows you to set the time slots and relative room temperatures. Access this window by pressing the button (Ref. 3, Fig. 16).

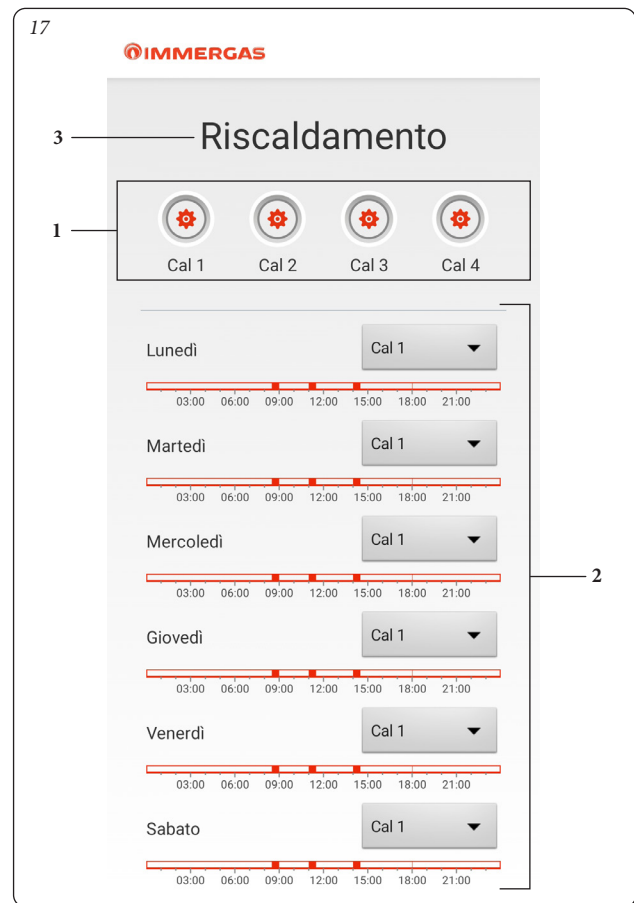
- **Time slots.** Smartech Plus allows you to set 4 daily calendars, with up to 4 operating time slots, each with relative room temperatures. Outside the 4 time slots the system will operate maintaining the temperature set in the “Set Eco room temperature” parameter (Ref. 6, Fig. 16).

After setting these 4 calendars it is possible to pair them to the various days of the week (Ref 2, Fig. 17).

- Having entered the menu by pressing “Cal. n.” (Ref. 1, Fig. 17) you access the window to define the switch on/off intervals (Fig. 18).

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

**Note:** the calendars paired with “Central heating” (winter operating mode) or “Cooling” (cooling operating mode) are different. To view them and to set them, first select the relative operating mode.



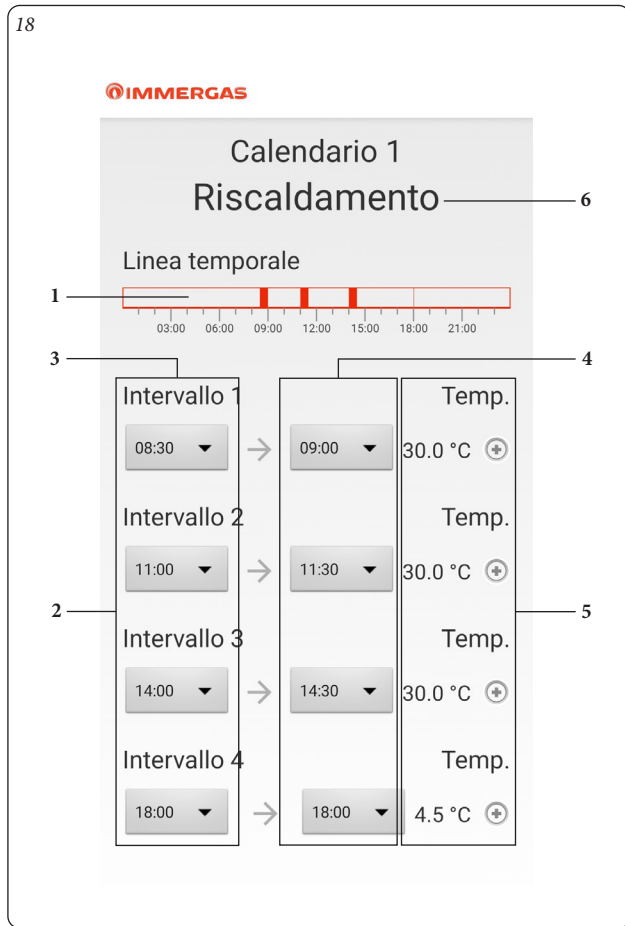
Ref	Description
1	Calendar selection buttons
2	Pairing the calendar to each day of the week
3	Display of operating mode paired with the current calendar: - <b>Central heating</b> , (winter operating mode); - <b>Cooling</b> , (cooling operating mode);

In the case of a generator combined with a storage tank unit, it is possible to set a similar weekly program also for the DHW temperature (refer to the Paragraphs from 2.9.14 to 2.9.17).

**2.7 DESCRIPTION OF “CALENDAR DEFINITION” WINDOW (FIG. 18).**

**Clock and programs.**

This menu allows you to set the operating time slots and relative room temperatures.

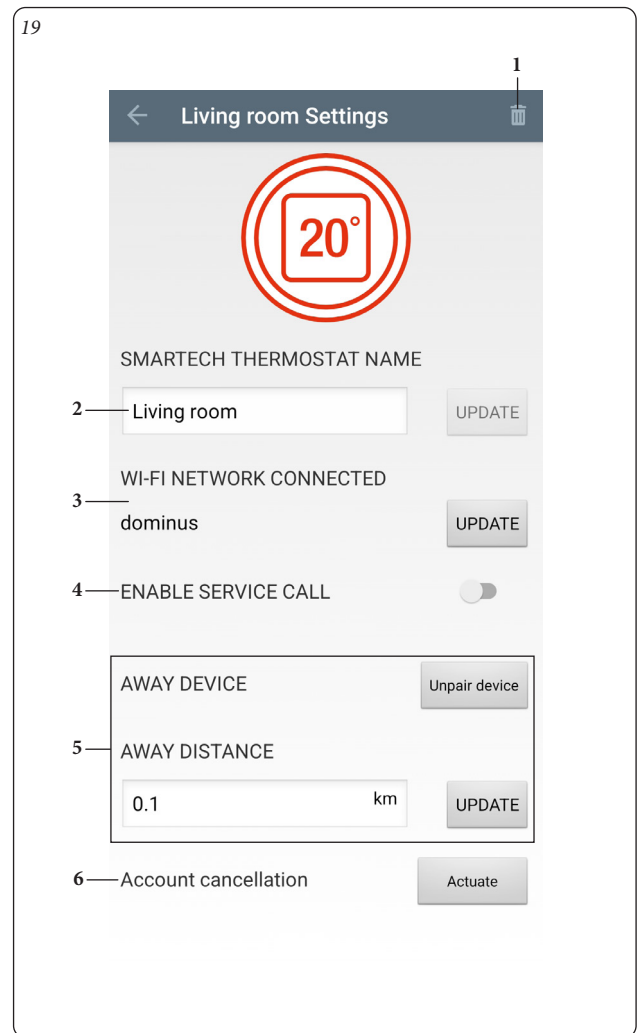


Ref	Description
1	Display of set intervals
2	Generator operation intervals
3	ON - interval starting time selection
4	OFF - interval end time selection
5	Room temperature setting for the interval
6	Display of operating mode paired with the current calendar: - <b>Central heating</b> , (winter operating mode); - <b>Cooling</b> , (cooling operating mode);

**N.B.:** to exclude use of one or more time slots, simply set the same start and end time.

**2.8 MAIN ZONE SETTING.**

For the main zone of the heating/cooling system it is possible to select different settings as shown in Fig. 19.



Ref	Description
1	Recycle Bin, allows you to delete the selected zone. In the case of a system with only one Zone, this command deletes the entire Installation (if it is the main zone), or deletes the single Zone
2	It is possible to change the name of the Zone
3	It is possible to change the connection to the Wi-Fi network to which the Gateway is connected
4	It is possible to enable/disable Remote Assistance to allow the Immergas Assistance Centre to adjust the Installation parameters.
5	Away settings, refer to chapter 5
6	Account cancellation

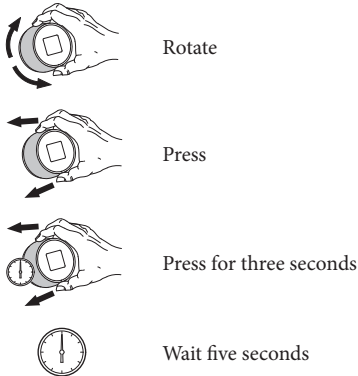
**Note:** the secondary zones only show References 1,2 and 3.

The “Account deletion” function (6) is an automated process for deleting the user account and all installations paired with it; once started it is not reversible. All Smartech Plus and/or Wi-Fi Gateways paired with the account can be paired again with a new account.

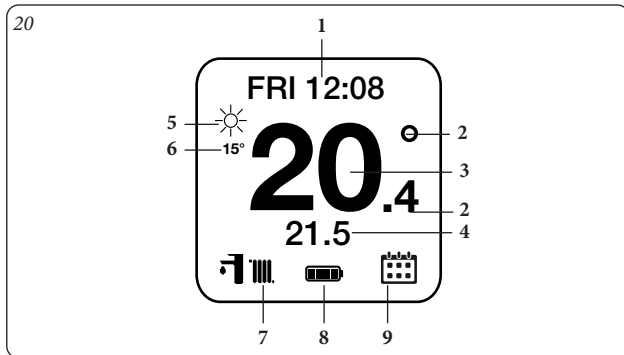
**2.9 SMARTTECH PLUS CHRONO-THERMOSTAT (FIG. 20).**

Operations to navigate through the various windows and settings on the Chrono-thermostat may be carried out by rotating and pressing the outer body of the device, as shown below.

**Note:** the main settings of the Smarttech Plus system can be made either locally (via the Chrono-thermostat) or remotely via the App.



**2.9.1 DESCRIPTION OF MAIN WINDOW SYMBOLS.**



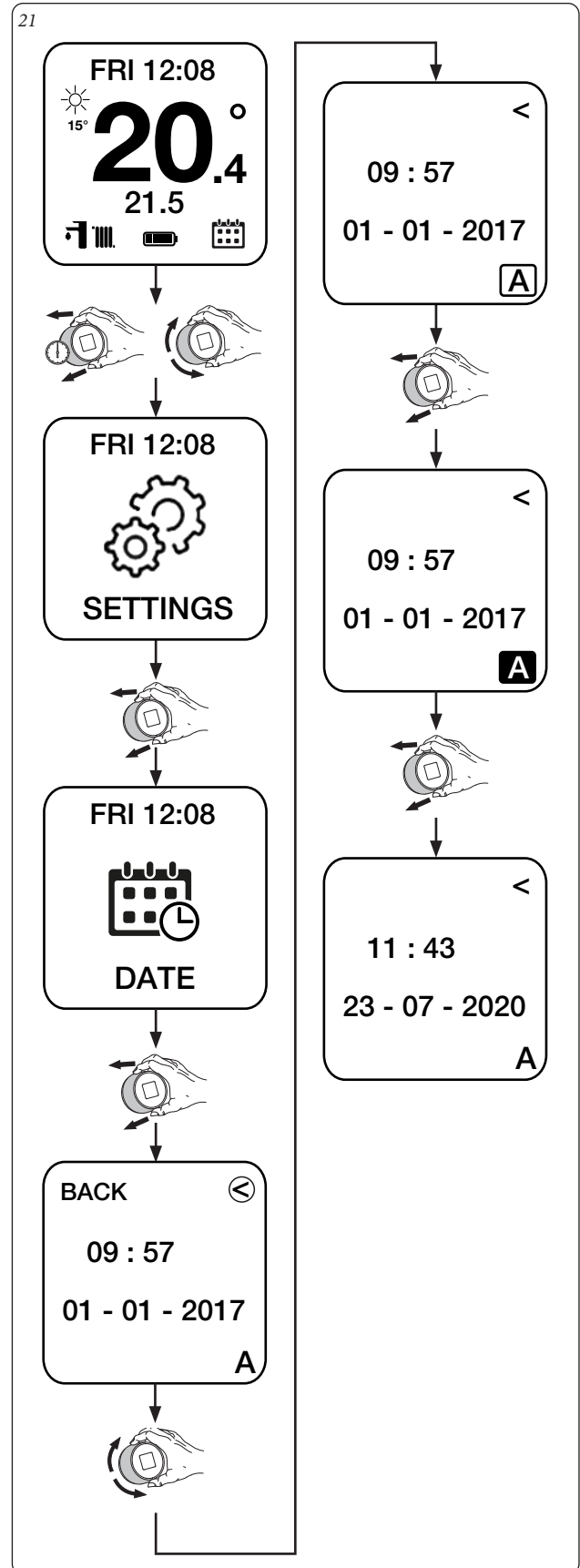
Ref	Description
1	Text message (for example: date, connection status, error)
2	Heating / cooling request
	DHW request
3	Detected room temperature
4	Set room temperature
5	Weather (if connected to internet)
6	Outdoor temperature (if connected to internet)
7	STAND-BY operating mode
	SUMMER operating mode
	WINTER operating mode
	COOLING operating mode
8	Battery level 100%
	Battery level 75%
	Battery level 50%
	Battery level 25%
	Battery flat
9	Automatic mode with programming
	Temporary manual operation (until next automatic operation time slot)
	Manual mode

**2.9.2 DATE AND TIME SETTING.**

Select the 'DATE' window to select the system's date and time.

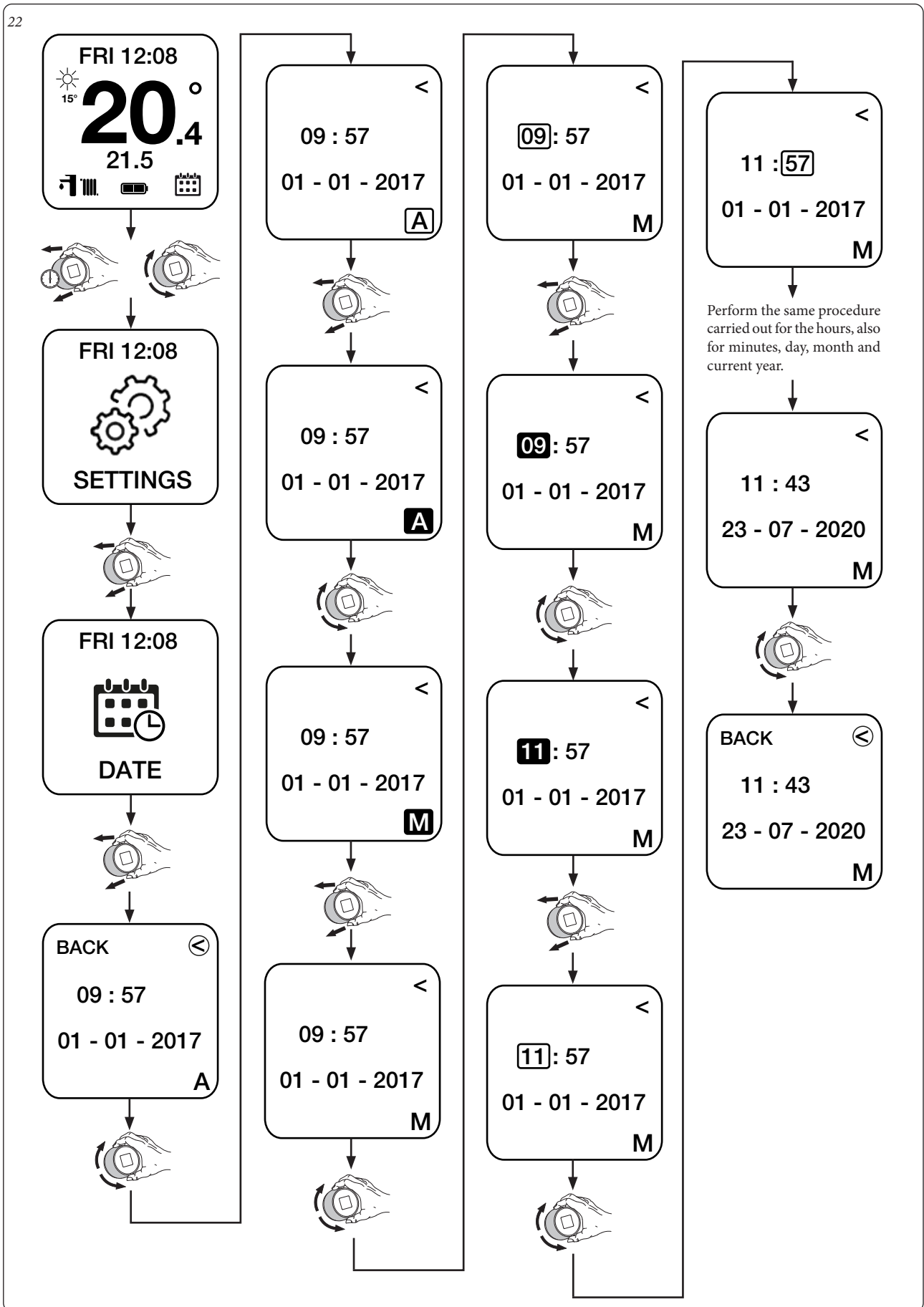
If the symbol 'A' is displayed at the bottom right, the date and time are updated automatically via the Internet connection.

**N.B.:** check that the date and time are entered correctly to guarantee proper operation of the calendars.



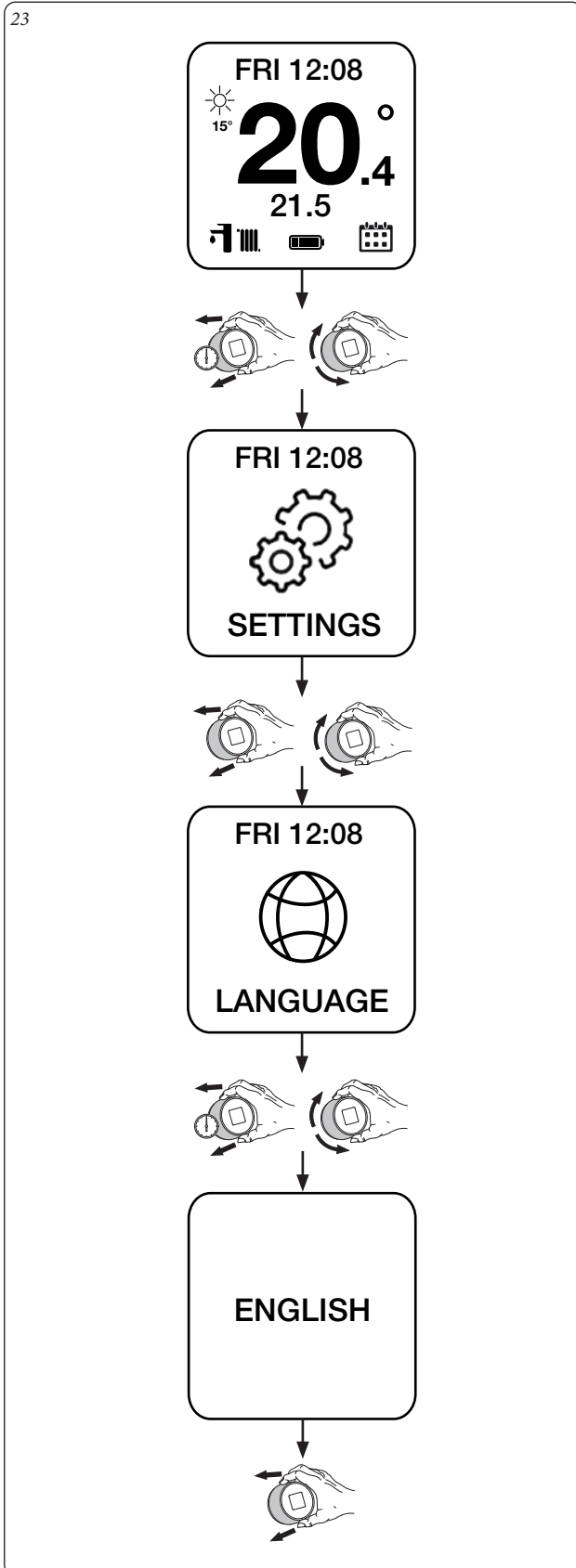
If the Chrono-thermostat is not connected to the Internet, you must select the M mode, to manually set the current time and date.

22



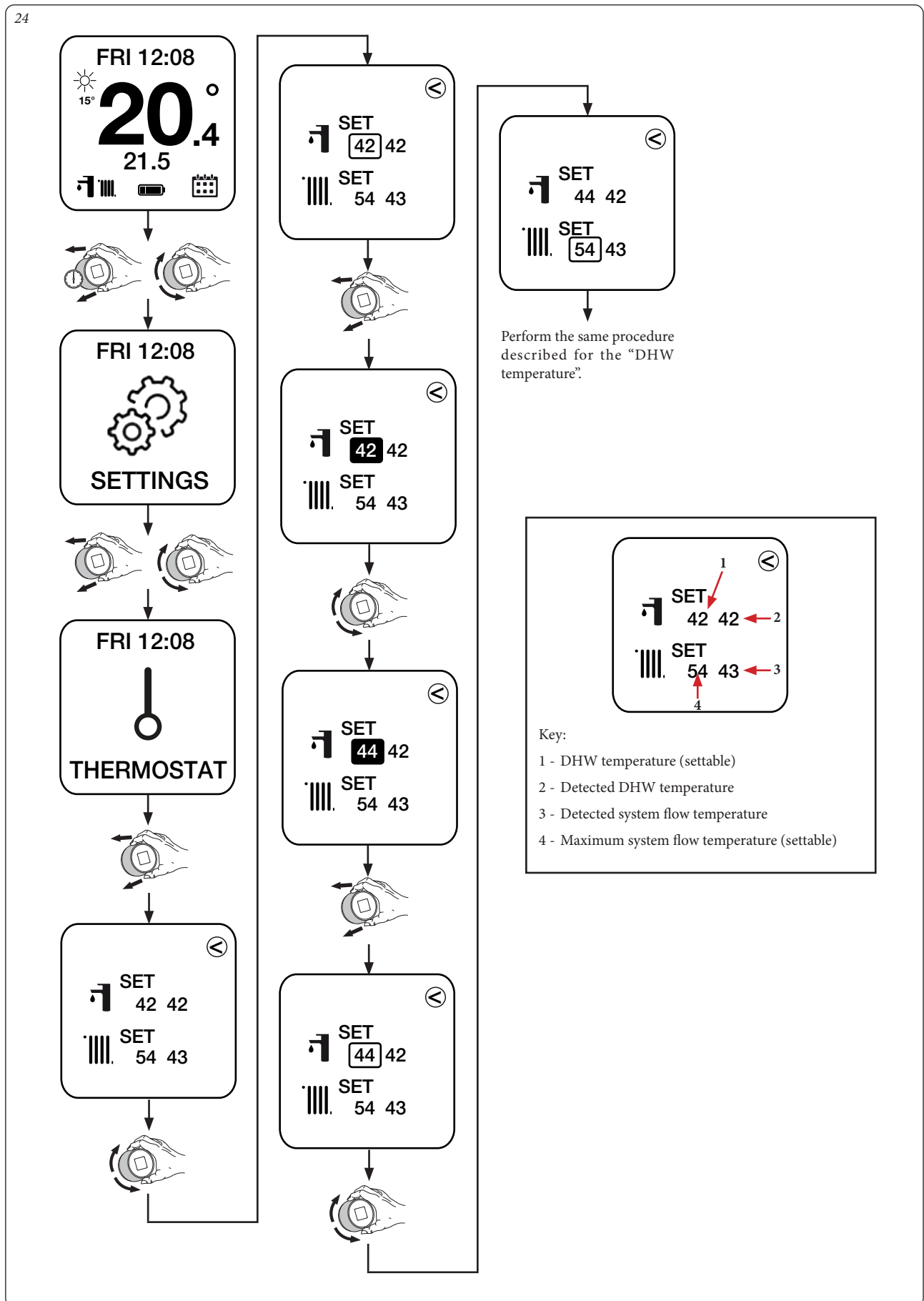
### 2.9.3 LANGUAGE SETTING.

Select the 'LANGUAGE' window to set the language (from those present) of the Chrono-thermostat.



2.9.4 THERMOSTAT SETTING.

Select the 'THERMOSTAT' window to set the parameters 'Maximum system flow temperature' and 'DHW temperature' (window available only in combination with generators connected via IMG BUS and/or ModBus).



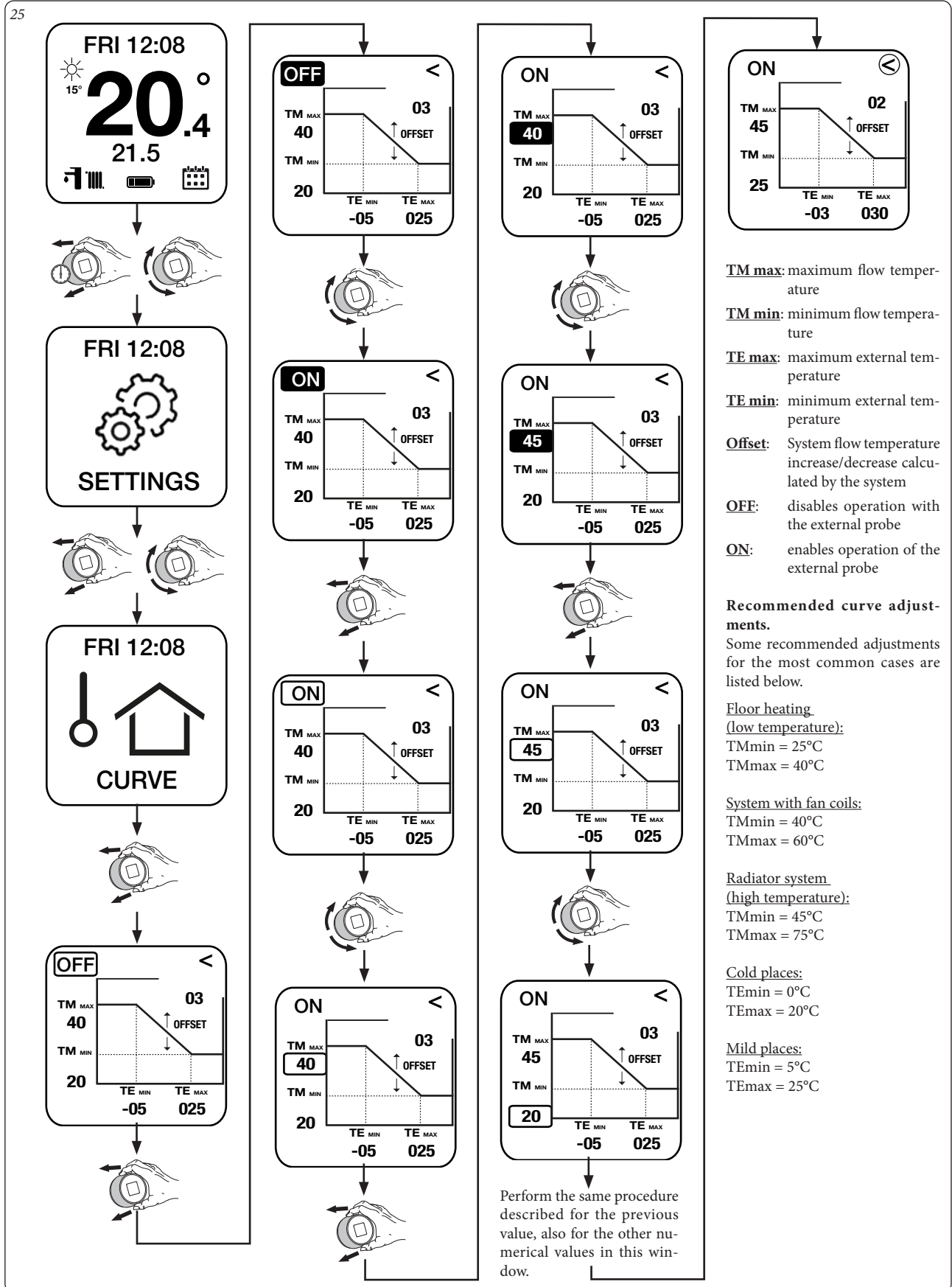
### 2.9.5 CLIMATIC CURVE SETTING.

Select the 'CURVE' window to enable/disable (disabled by default) climatic offsetting with external temperature and to set up the relevant operation parameters.

**Note:** this function is only available in combination with generators connected via communication bus (IMG Bus and/or ModBus) and for the heating mode.

The offset curve establishes how the system flow temperature  $TM$  is corrected according to the external temperature  $TE$ .

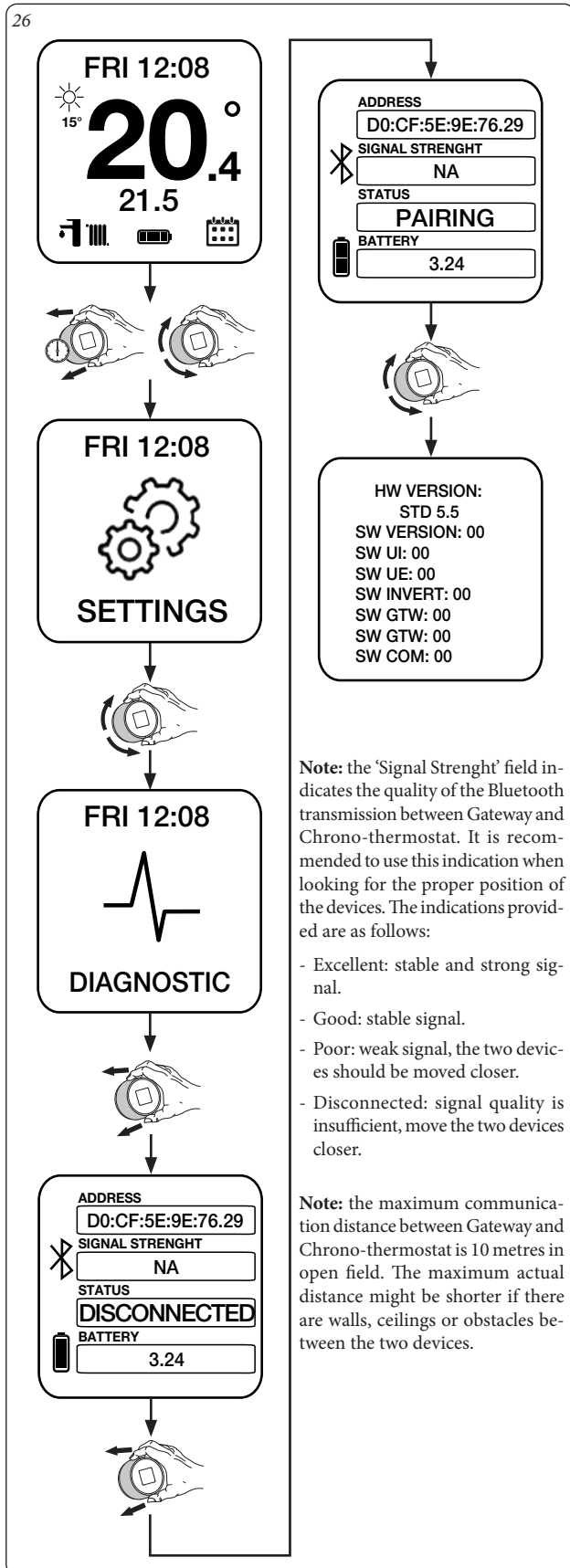
**Note:** the external temperature value  $TE$  is detected by the external probe connected to the generator. If this is not installed, the external temperature value will be obtained via the Gateway's internet connection. If this connection is also not available, the climate compensation function is disabled.





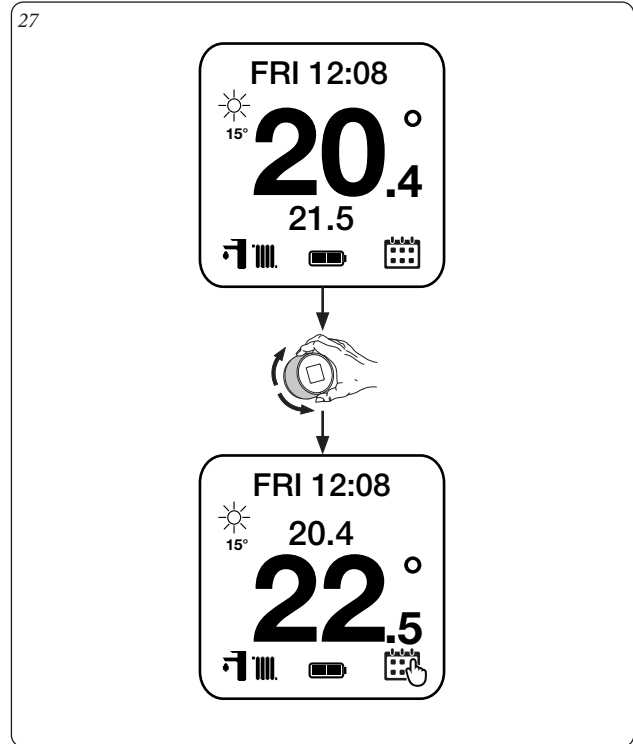
### 2.9.6 DIAGNOSTICS.

Select the 'DIAGNOSTIC' window to view some system information including MAC address of the radio module, quality of the Bluetooth signal, current status of the connection between Gateway and Chrono-thermostat, battery level and HW and SW version of the Chrono-thermostat. This window is also used if you need to make a new pairing between Gateway and Chrono-thermostat (see further details in the Smartech Plus installation manual).



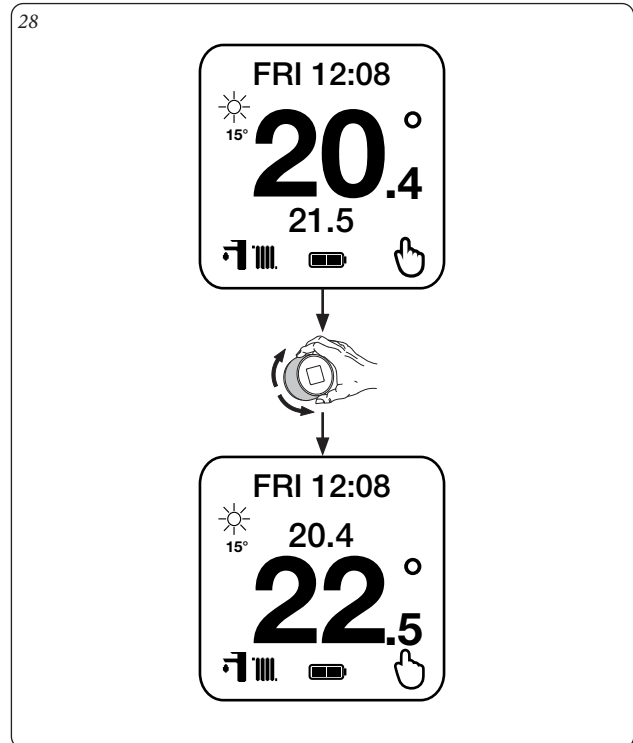
### 2.9.7 DESIRED ROOM TEMPERATURE SETTING.

The desired room temperature can be changed quickly by rotating the thermostat body. If the 'PROGRAM ON' mode is activated (automatic operation, see Par.2.9.12), this operation forces the device into temporary manual operation, i.e. the set temperature remains active until the next activation time slot (Fig. 27).



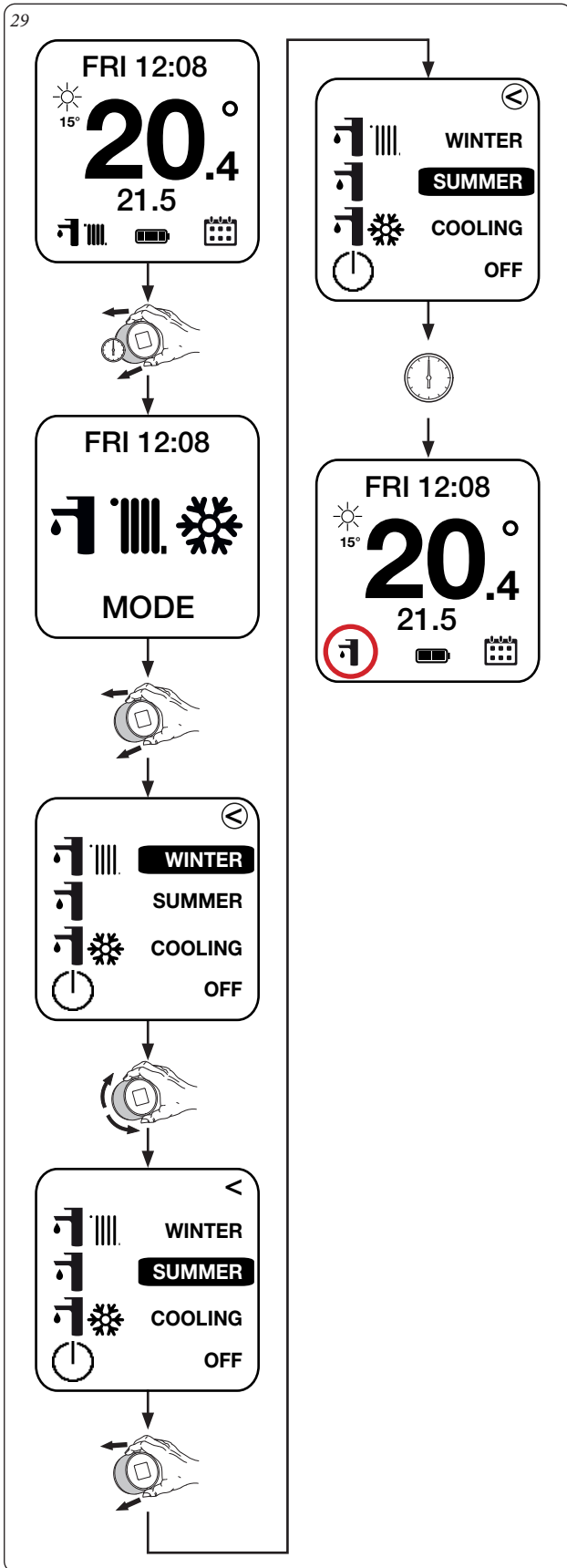
#### Manual mode.

If the 'PROGRAM OFF' mode is activated (manual operation, see Par.2.9.13) the new room temperature selected remains active until the next change (Fig. 28).



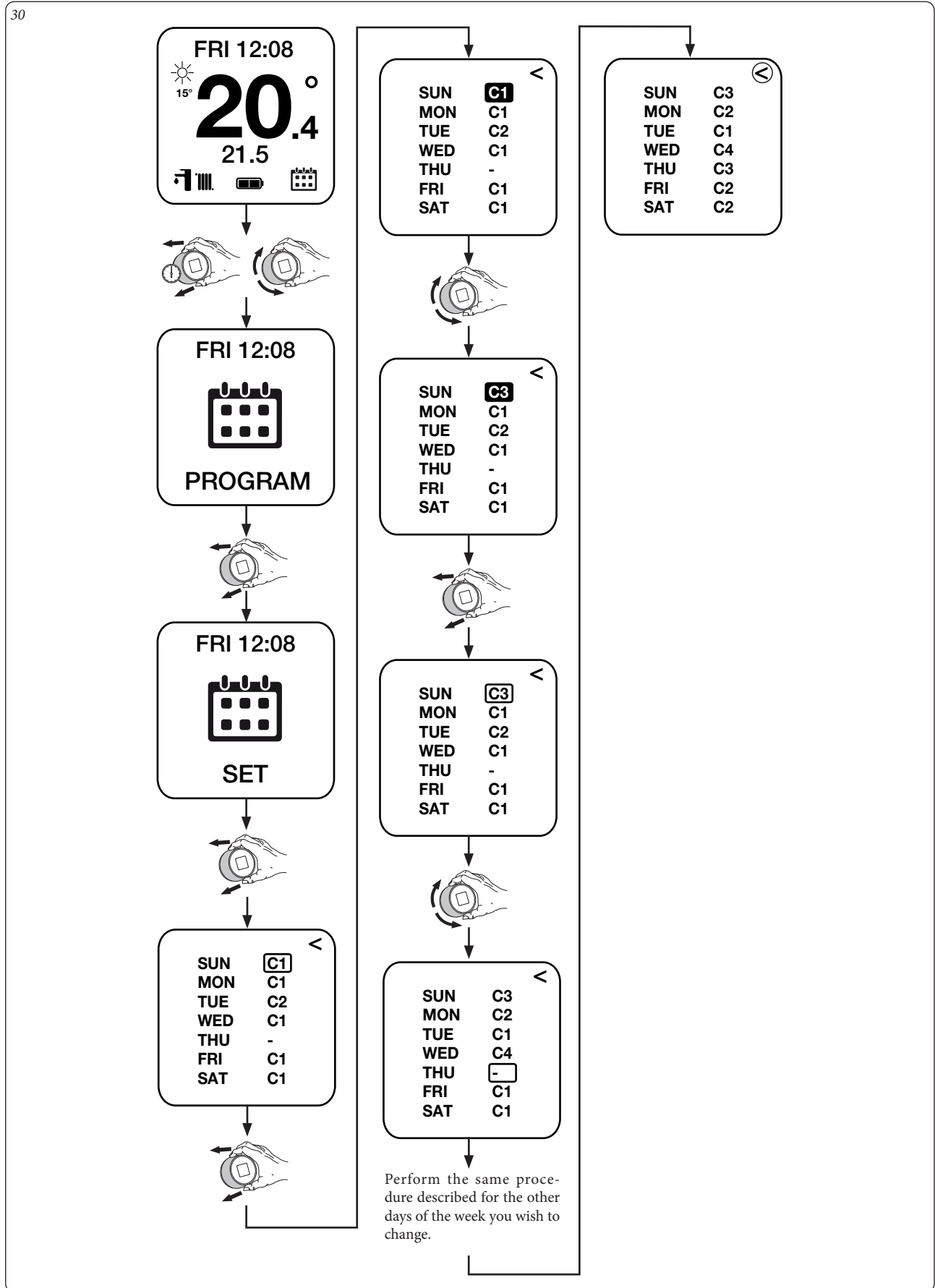
2.9.8 OPERATING MODE.

Select the 'MODE' window to set up the generator operating mode (see Paragraph 2.3).



**2.9.9 SETTING UP THE WEEKLY PROGRAM.**

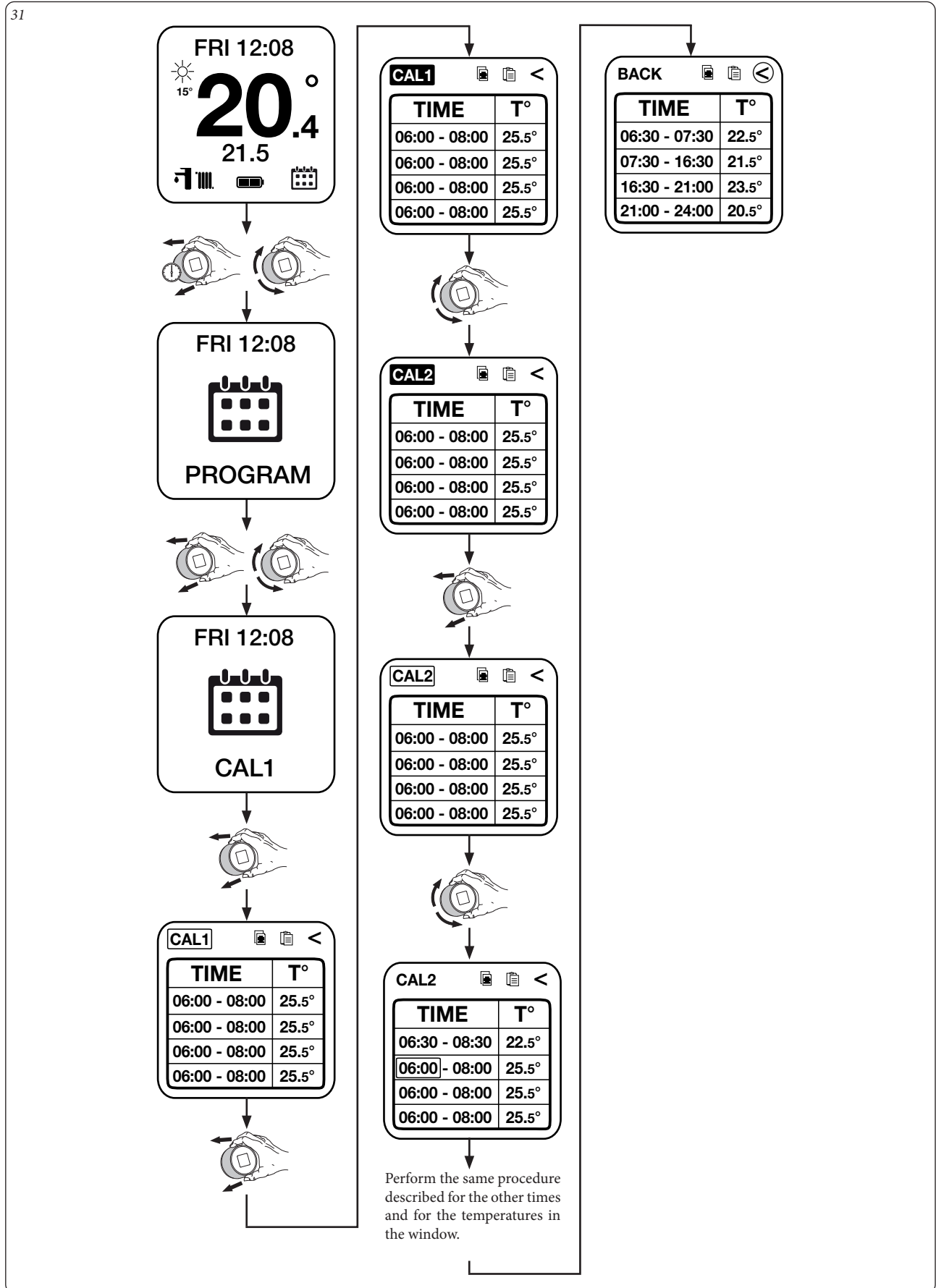
Select the 'SET' window to pair each day of the week with one of the 4 stored daily calendars.



**2.9.10 SETTING UP DAILY CALENDARS.**

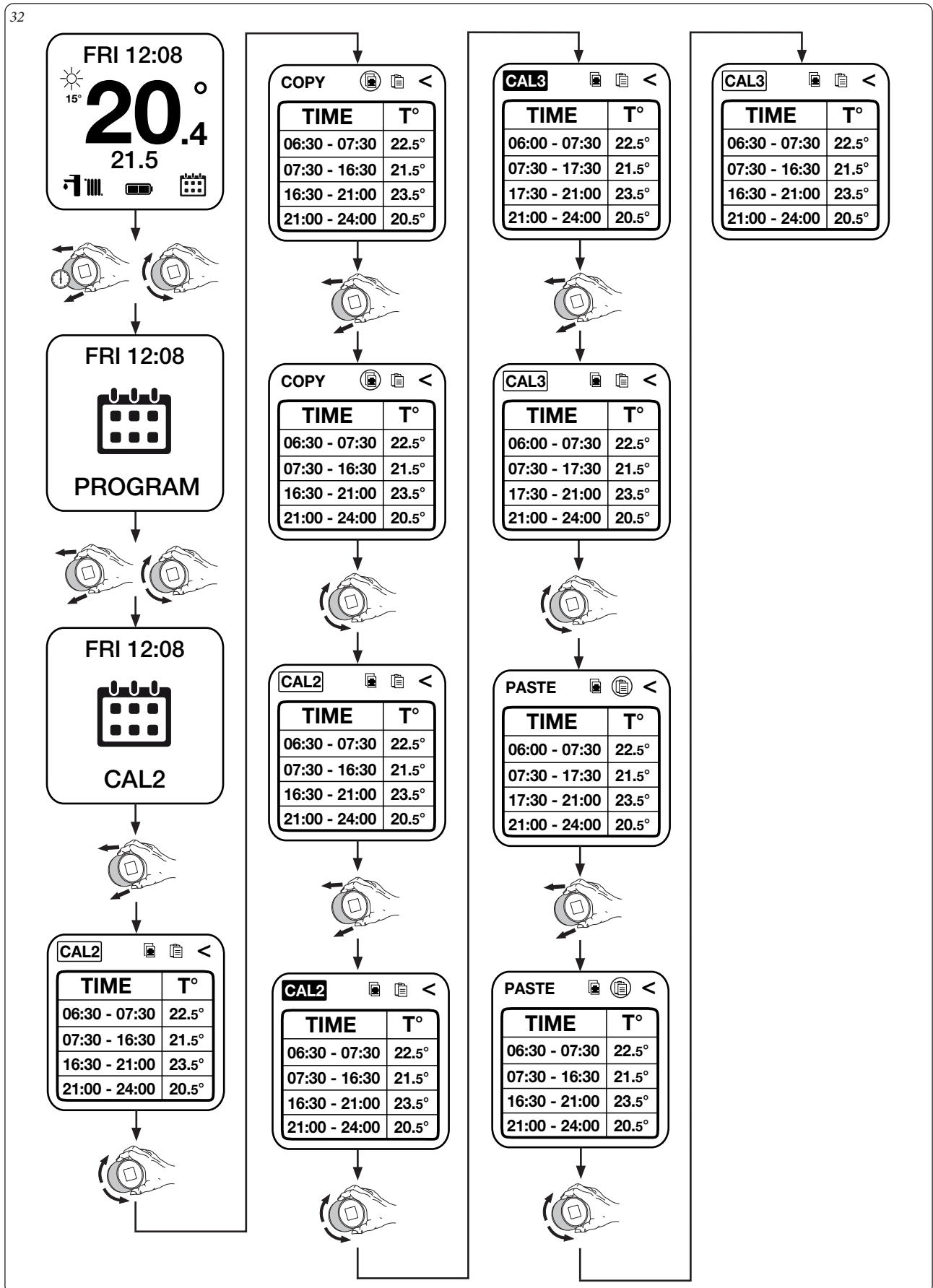
Select the windows 'CAL1', 'CAL2', 'CAL3', 'CAL4' to set up to 4 time slots for daily activation for each calendar with the relevant desired room temperatures.

**Note:** the procedure described is valid for all calendars (CAL1, CAL2, CAL3 and CAL4).



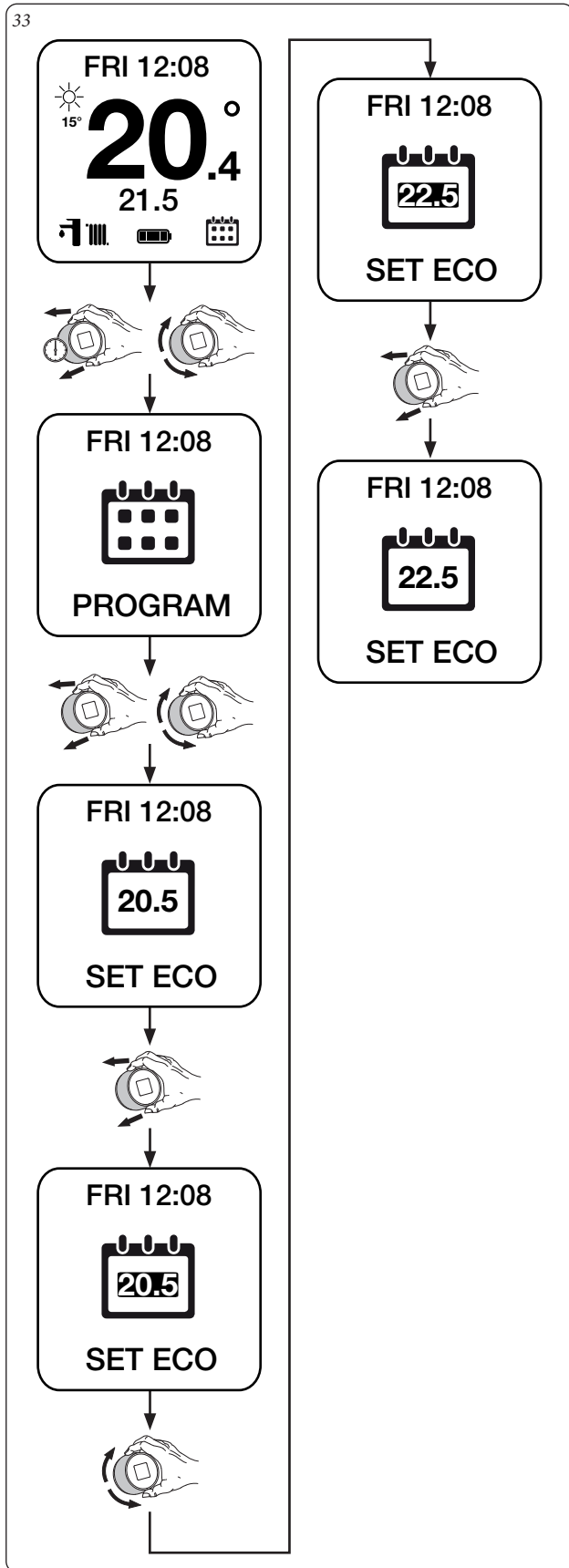
**Calendar “Copy” and “Paste” function.**

To make calendar programming operations easier, it is possible to use the ‘COPY’ and ‘PASTE’ commands to copy the settings of one calendar (e.g. CAL2) and paste them onto another calendar (e.g. CAL3), see Fig. 32.



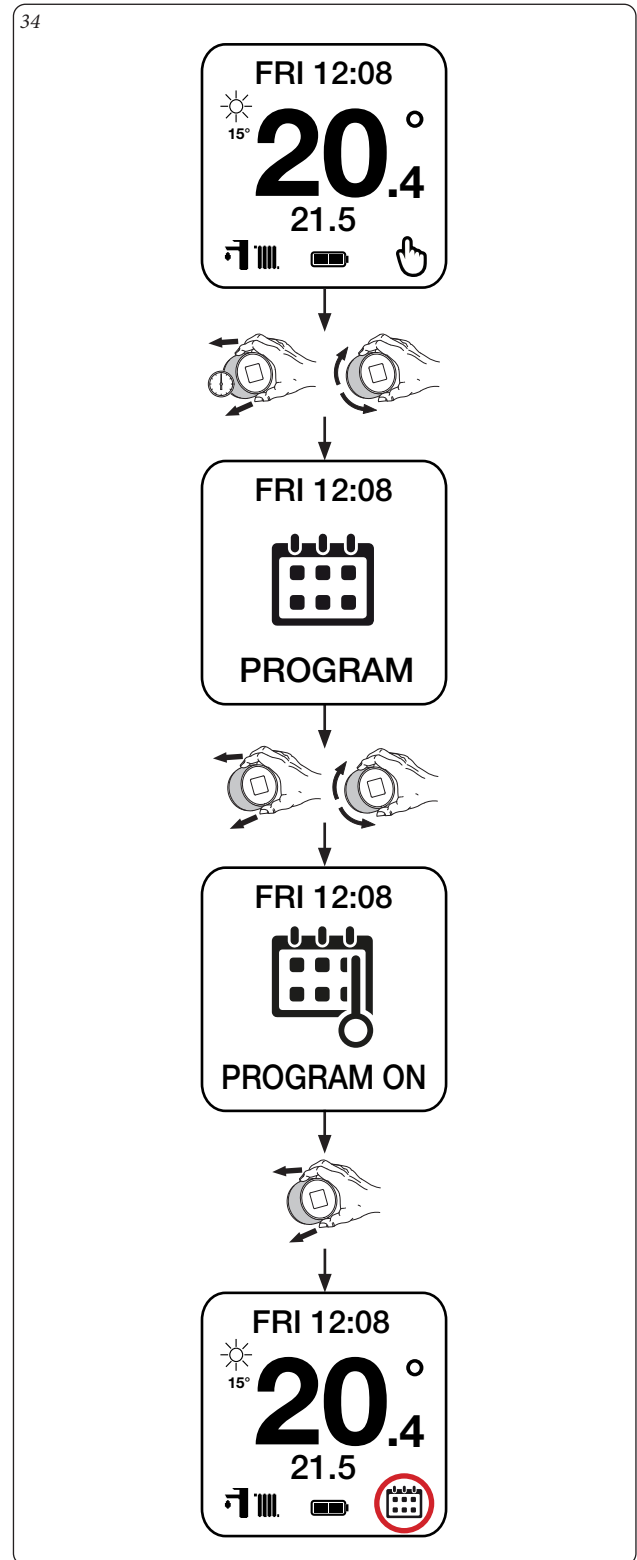
**2.9.11 SET ECO.**

Select the 'SET ECO' window to set up the desired room temperature outside the programmed time slots in the various calendars.



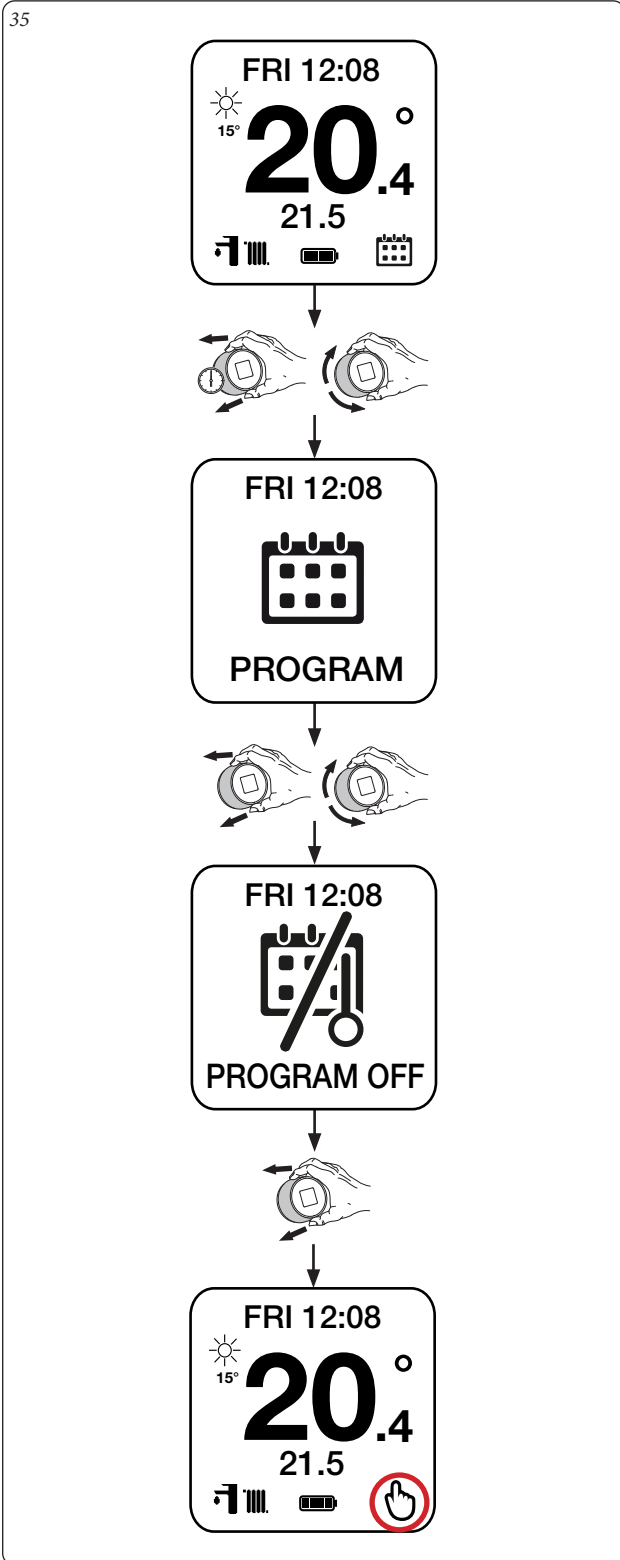
**2.9.12 AUTOMATIC OPERATION MODE.**

Select the 'PROGRAM ON' control to activate the automatic operation mode of the Chrono-thermostat according to the set weekly programming.



2.9.13 MANUAL OPERATING MODE.

Select the 'PROGRAM OFF' control to activate the manual operation mode of the Chrono-thermostat (maintaining the desired room temperature regardless of the set weekly programming).

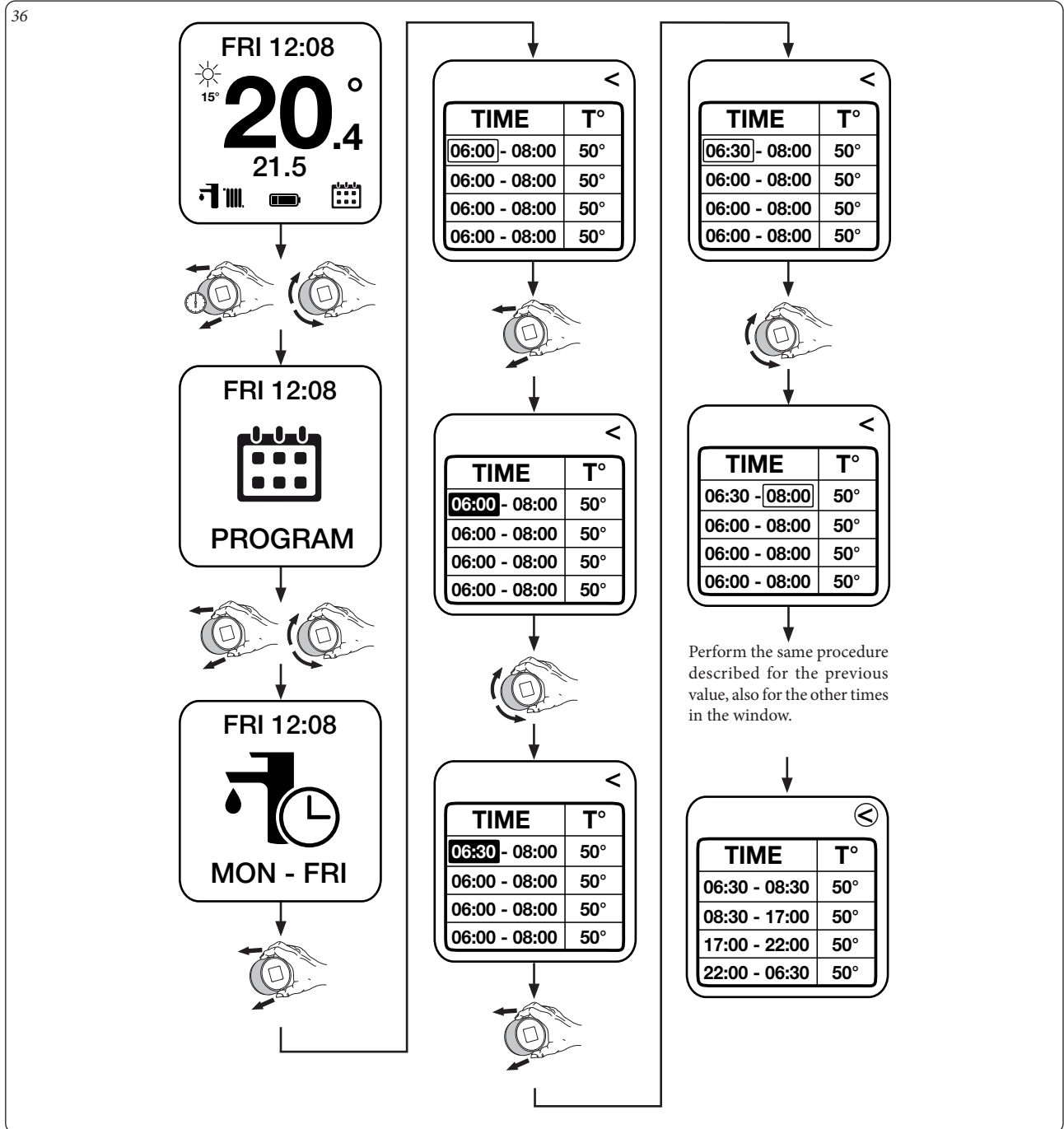


**2.9.14 DHW MON-FRI PROGRAM.**

Select the 'MON - FRI' window to set up to 4 active daily time slots from Monday to Friday in which the DHW storage temperature will be maintained at the intended value. Outside the set slots, the DHW storage temperature will be kept equal to the minimum DHW temperature of the generator. To change the maintained DHW temperature within the time slots, refer to Paragraph 2.9.4.

To change the minimum maintained DHW temperature outside the time slots, consult the generator instructions manual.

**Note:** this window is only available in combination with generators connected via communication bus (IMG Bus and/or ModBus) and equipped with a DHW storage.



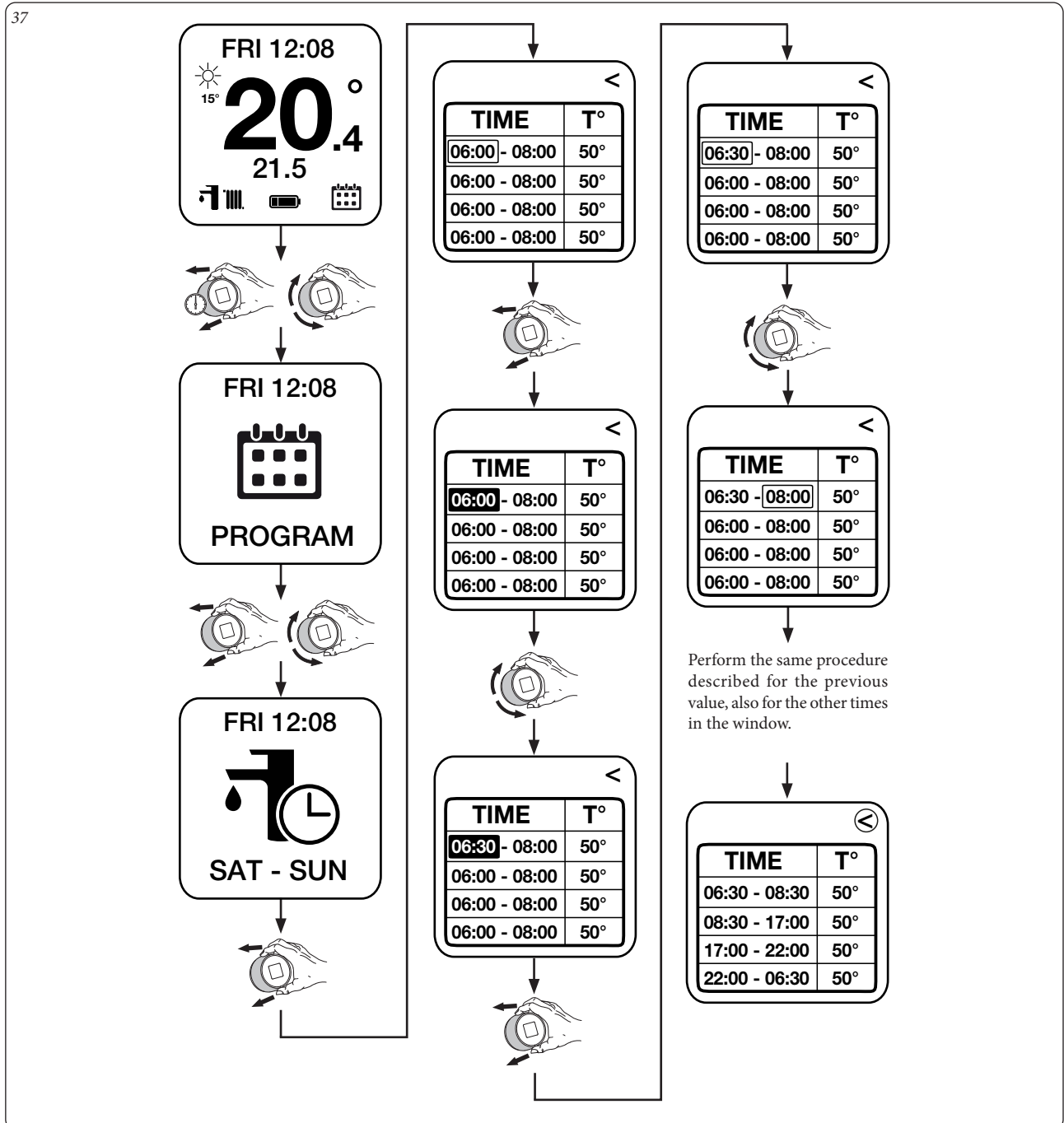


**2.9.15 DHW SAT-SUN PROGRAM.**

Select the 'SAT - SUN' window to set up to 4 daily time slots active on Saturday and Sunday in which the DHW storage temperature will be maintained at the intended value. Outside the set slots, the DHW storage temperature will be kept equal to the minimum DHW temperature of the generator. To change the maintained DHW temperature within the time slots, refer to Paragraph 2.9.4.

To change the minimum maintained DHW temperature outside the time slots, consult the generator instructions manual.

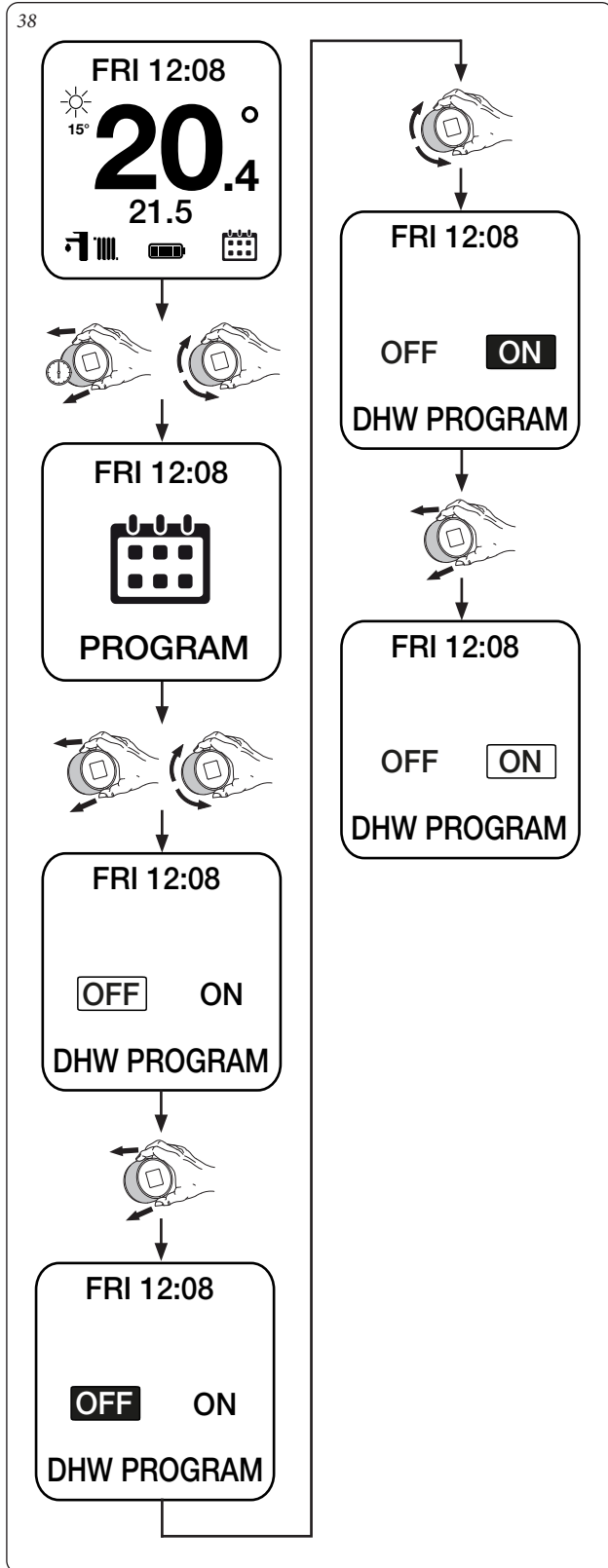
**Note:** this window is only available in combination with generators connected via communication bus (IMG Bus and/or ModBus) and equipped with a DHW storage.



**2.9.16 DHW PROGRAM ACTIVATION/DEACTIVATION**

Select the 'DHW PROGRAM' command to activate/deactivate the heating of the DHW storage according to the set weekly program. Having entered the Menu it is now possible to activate or deactivate the "DHW Program" function by selecting the "OFF" or "ON" mode as indicated in the sequence below.

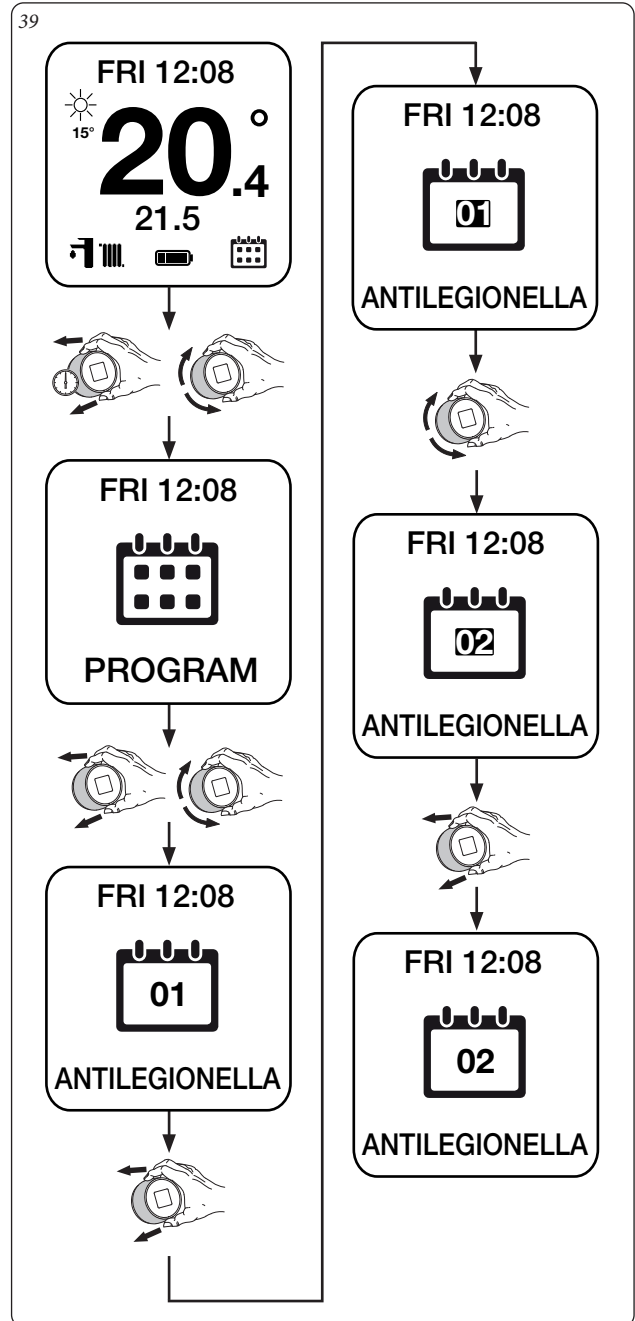
**Note:** this window is only available in combination with generators connected via communication bus (IMG Bus and/or ModBus) and equipped with a DHW storage.



**2.9.17 ANTILEGIONELLA PROGRAM.**

Select the 'ANTI-LEGIONELLA' window to set the frequency of activation of the anti-legionella disinfection function in days. The latter consists of raising the temperature of the DHW storage to the maximum temperature available for the DHW mode, after which the DHW setting returns to the previously set value. The disinfection cycles are carried out at 2:00 in the morning. By setting 00 days, the function is deactivated.

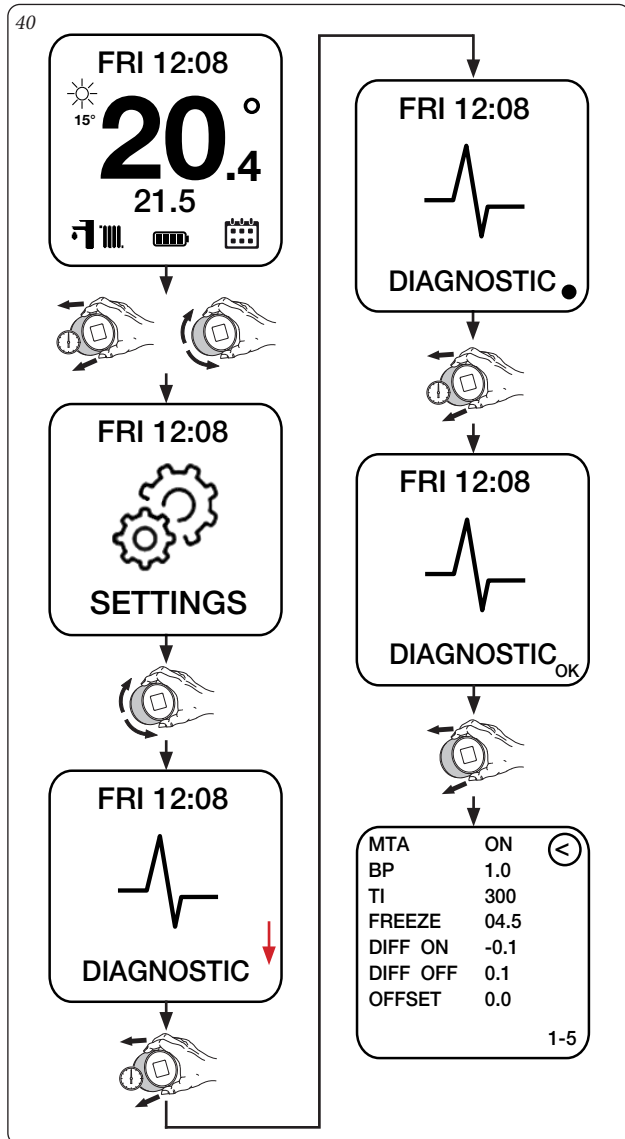
**Note:** this window is only available in combination with generators connected via communication bus (IMG Bus and/or ModBus) and equipped with a DHW storage.



**2.9.18 ADVANCED SETTINGS MENU.**

Enter the hidden menu of the 'DIAGNOSTIC' window to view and set up the system's advanced settings.

**Note:** to prevent malfunctions due to any incorrect settings, access to this menu is solely restricted to an authorised Immergas technical support centre.



Advanced settings menu page 1-5 (Fig. 40)			
Menu item	Description	Range	Default
<b>MTA</b> (Room Probe Temperature Modulation)	If enabled (On), it allows the Chrono-thermostat to modulate the system flow temperature according to the difference between the desired room temperature and the detected one. If disabled (Off), the system flow temperature will be kept constant until the desired room temperature is reached. <b>Note:</b> if the climatic offset function is enabled, the maximum system flow temperature will be calculated based on the external ambient temperature according to the offset curve set (see Par. 2.9.5).	On / Off	On
<b>BP</b>	Proportional Band	0 ÷ 9.9 °C	1.0°C
<b>TI</b>	Integration Time	60 ÷ 990 sec	300 sec
<b>FREEZE</b>	Allows to set the room temperature for activation of the anti-freeze function	0 ÷ 10.0 °C	4.5°C
<b>DIFF ON</b>	Thermal differential for activation of heating request/termination of cooling request - Value to be subtracted from the set room setpoint which determines the start of the heating request/the end of the cooling request	-0.1 ÷ -1.5 °C	- 0.1 °C
<b>DIFF OFF</b>	Thermal differential for termination of heating request/activation of cooling request - Value to be added to the set room setpoint which determines the end of the heating request/the start of the cooling request	0 ÷ 1.5 °C	+ 0.1 °C
<b>OFFSET</b>	Room temperature compensation	-3.0 ÷ 3.0 °C	0°C

### 3 GATEWAY WI-FI KIT.

#### 3.1 GATEWAY WI-FI CONNECTED TO MAGIS M.

The operation of the Wi-Fi Gateway with the Magis M generator allows you to have remote control via the App so that it is possible to thermoregulate the room of your home or manage the temperature of the DHW.

**Note:** the calendars can be set from the control panel of the Magis M generator.

**Note:** any commands sent via Smartphone can be indicated on the generator display with a few seconds delay.

##### 3.1.1 DESCRIPTION OF MAIN WINDOW (FIG. 41).



Ref.	Description
1	Operating mode (STAND-BY / DHW / DHW + COOLING / DHW + C.H.).
2	List and selection of connected devices (max. 18 devices).
3	Windows selection button (CONFIGURATION / INSTRUCTIONS AND WARNINGS / ADD NEW DEVICE / LOGOUT).
4	Central heating or cooling demand in progress.
5	Measured room temperature display.
6	Displays current weather forecast and outdoor temperature.
7	Knob to set room temperature.
8	Intended temperature set display
9	Access button to adjust DHW set
10	Faults display (not available for generators connected to room thermostat).
11	Manual update of the data.

**Note:** in order to fully exploit the functioning of the Wi-Fi Gateway Kit, the reading of the room temperature from the Magis M remote panel must not be disabled (modification possible from the installer menu). Consequence of the absence of references to be able to carry out temperature control.

##### 3.1.2 OPERATING MODE SELECTION.

The buttons (Ref. 1, Fig. 41) allow you to select the following operating modes: OFF, Summer, Winter, Cooling.

- **Off mode (OFF).** In this mode the Magis M generator is turned off and only the emergency functions performed by it are guaranteed.
- **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. The room temperature is maintained constant at the set value.
- **Cooling mode (if applicable) (❄️).** In cooling mode, the system is enabled for the production of DHW and to check the cooling of the room.

**Note:** after selecting an operating mode, wait for the symbol to turn red confirming that the generator has received the command.

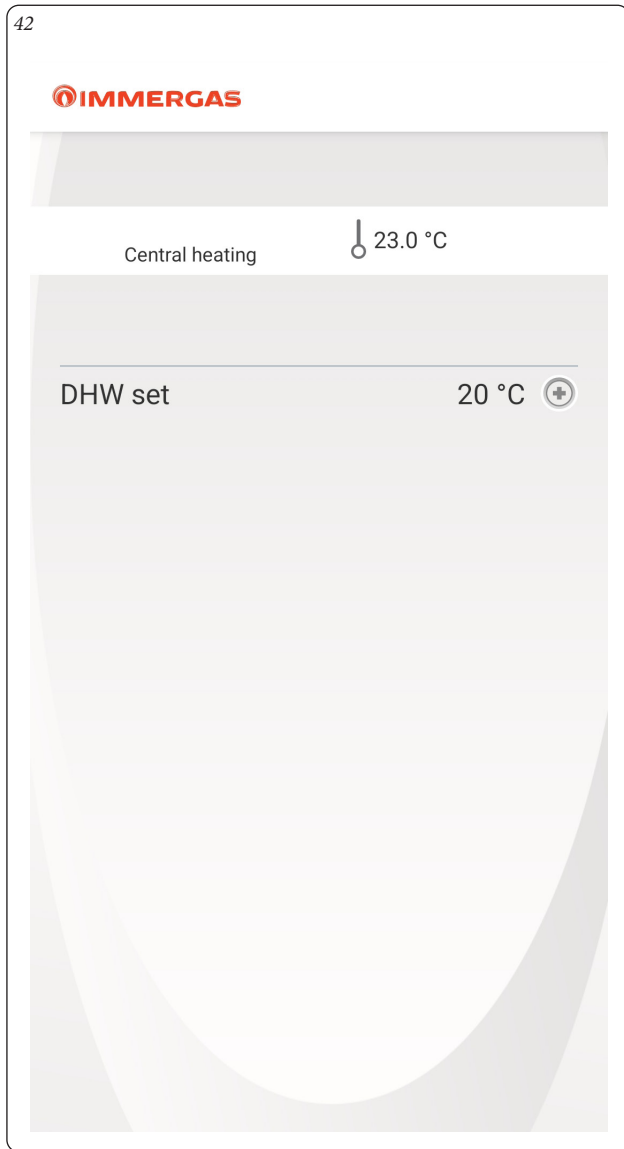
**Note:** since the installer has the possibility of disabling one of the operating modes described from the Magis M remote panel (except the OFF mode) for a better operating experience of the Wi-Fi Gateway Kit, it is strongly recommended to keep all the modes enabled (this enabling is carried out in the installer menu of the Magis M remote panel). For further details, see the Magis M remote panel manual.

##### 3.1.3 ROOM TEMPERATURE SETTING.

To set the desired room temperature, simply rotate the knob (Ref. 7, Fig. 41) on the main window. This window will show, in real time, the set room temperature (Ref. 8, Fig. 41).

It is possible to select any room temperature from +17°C to +30°C. This setting will be kept constant until new adjustments are made or until a different operating mode is selected.

3.1.4 DESCRIPTION OF THE “DHW SET” WINDOW (FIG. 42).

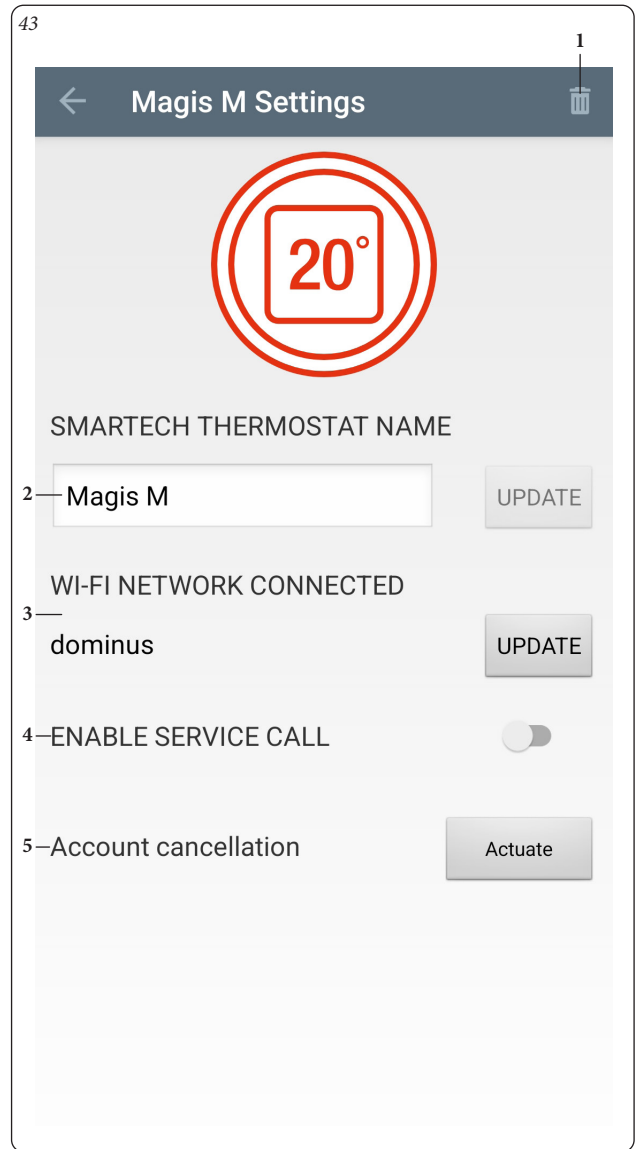


By pressing the “DHW SET” button (Ref. 9 Fig. 41) you access the “DHW setting” window (see Fig. 42), where it is possible to change the DHW temperature setting.

**Note:** the table below refers to the “DHW SET” button (Ref. 9 Fig. 41)

Ref.	Description
<b>Enabled</b>	In this case it is possible to access this menu and set the DHW temperature setting
<b>Disabled and visible</b>	The DHW mode is enabled but not active (OFF from the Magis M remote panel)
<b>Disabled and not visible</b>	The DHW mode is disabled from the Magis M remote panel (from the installer menu)

3.1.5 MAGIS M SYSTEM SETTINGS (FIG. 43).



With reference to the Magis M system it is possible to select various settings as shown in Fig. 43.

Ref.	Description
1	Recycle Bin, this command deletes the entire Installation
2	It is possible to change the name of the system
3	It is possible to change the connection to the Wi-Fi network to which the Gateway is connected
4	It is possible to enable/disable Remote Assistance to allow the Immergas Assistance Centre to adjust the Installation parameters
5	Account cancellation

## 4 PAIRING SMARTECH PLUS / GATEWAY WI-FI KIT AND SMART SPEAKER.

### 4.1 ALEXA ACCOUNT PAIRING PROCEDURE.

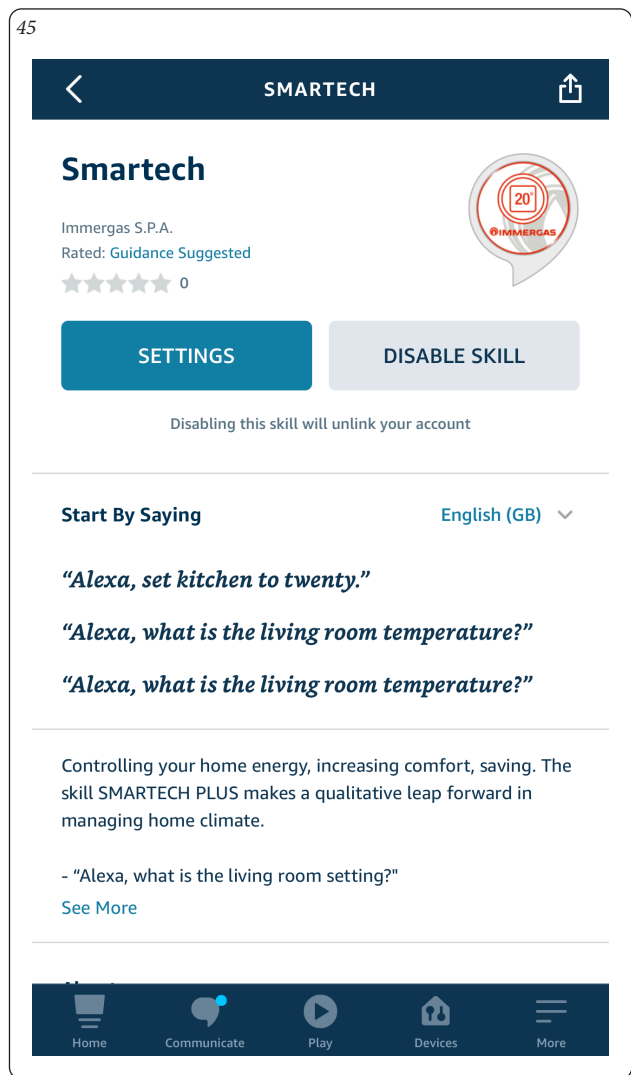
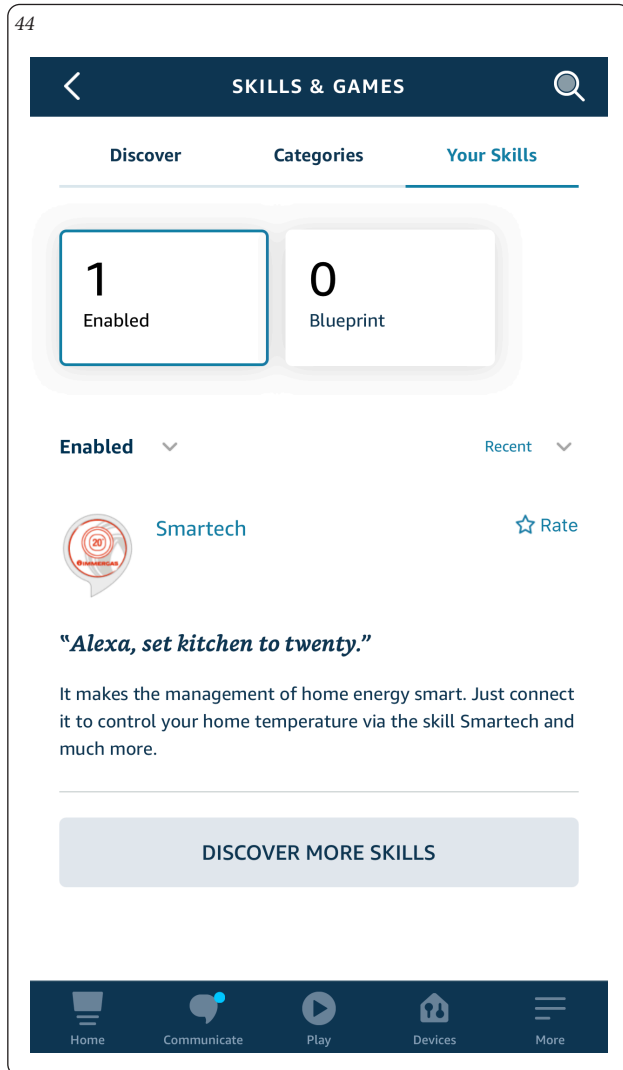
This procedure makes it possible to control the installations directly from Alexa via Smartphone or Smart Speaker.

Complete the installation procedure (Chapter 1).

Look for the Android/IOS Market on your smartphone and install the “Alexa” app.

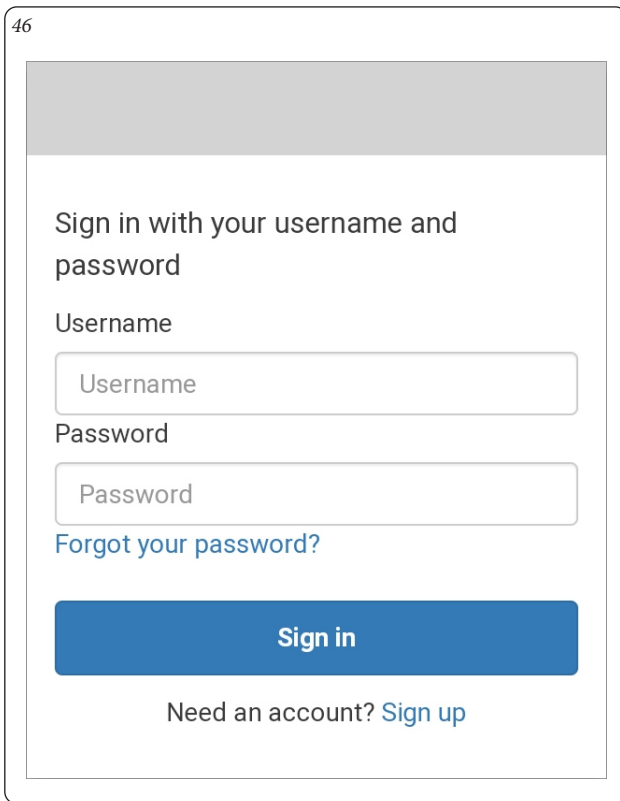
Start the Alexa app and login with your credentials. If you do not have Alexa credentials, complete the registration by means of the same application.

Once you have logged into the Alexa application, look for the “Smartech” skill (Fig. 44) and enable it (Fig. 45).



You will then be requested the credentials given when being registered on the Smartech app containing the Installations (Fig. 46). Wait for Alexa to connect the thermostats.

46



Sign in with your username and password

Username

Password

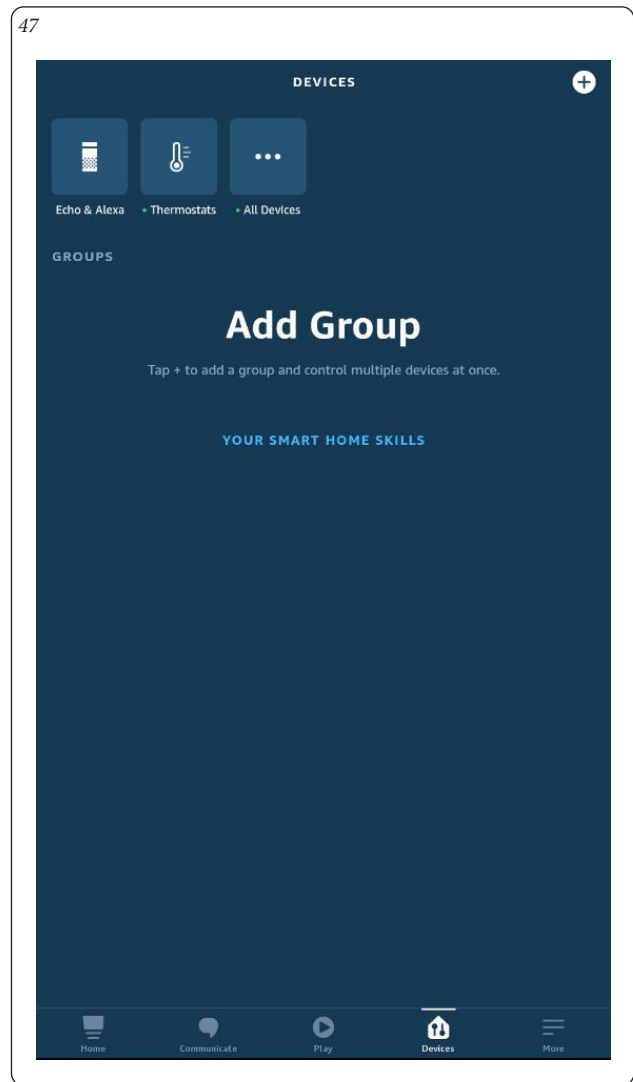
[Forgot your password?](#)

**Sign in**

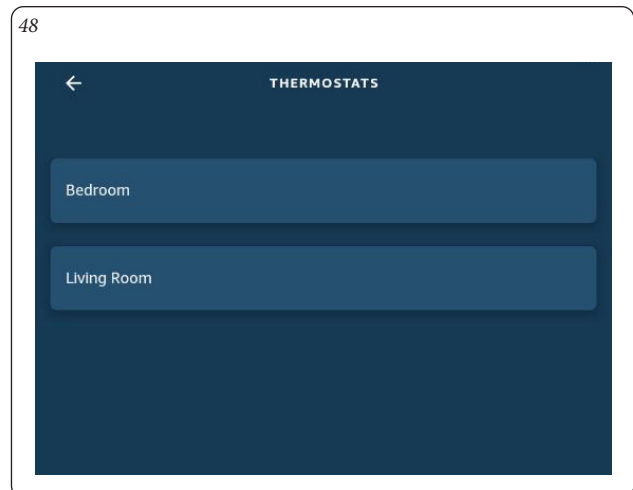
Need an account? [Sign up](#)

Access the “Devices” menu and press “Thermostats” (Fig. 47) to view all the registered installations (Fig. 48).

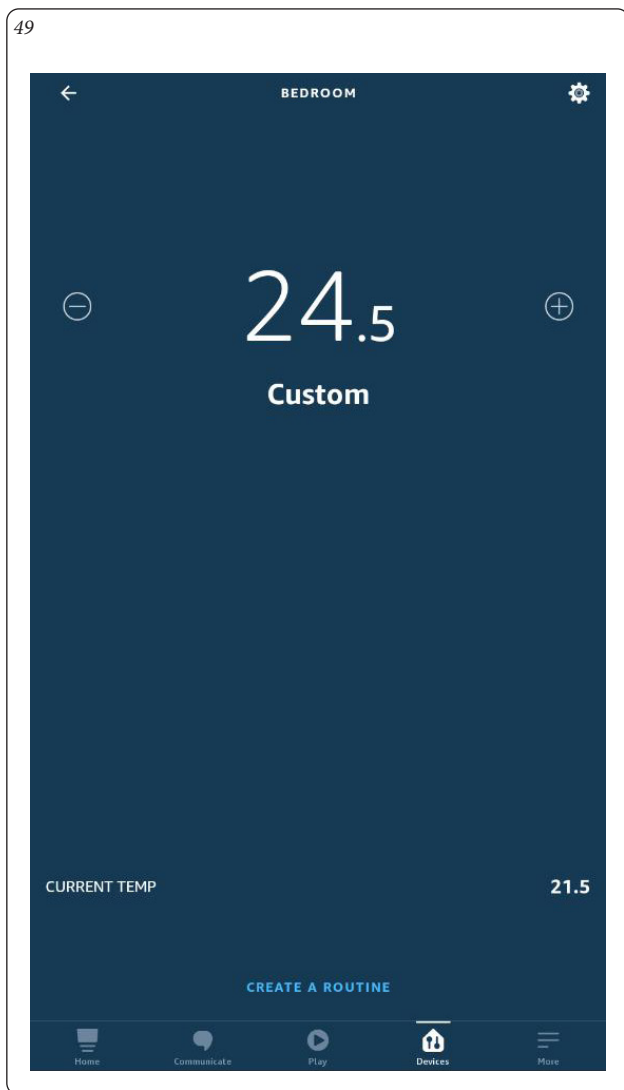
47



48



By pressing the desired installation, you may control the temperature directly from Alexa (Fig. 49).



#### 4.2 CONTROL WITH ALEXA VOICE COMMANDS.

The installations can be controlled with Alexa voice commands.

The following is a brief list of the recognised commands:

- “Alexa check the temperature”;
- “Alexa increase the temperature to 22 degrees”;
- “Alexa lower the temperature to 20 degrees”.

If you have two or more Installations, for example Living room and Bedroom, you may specify which Chrono-thermostat the following command refers to:

- “Alexa, set the temperature of the Living room at 21 degrees.”

For the complete list of commands, see the page relative to the Smartech skill on Amazon or Alexa.

**Note:** full compatibility of Smartech Plus and Wi-Fi Gateway Kit with all Amazon devices is not guaranteed.



### 4.3 GOOGLE HOME ACCOUNT PAIRING PROCEDURE.

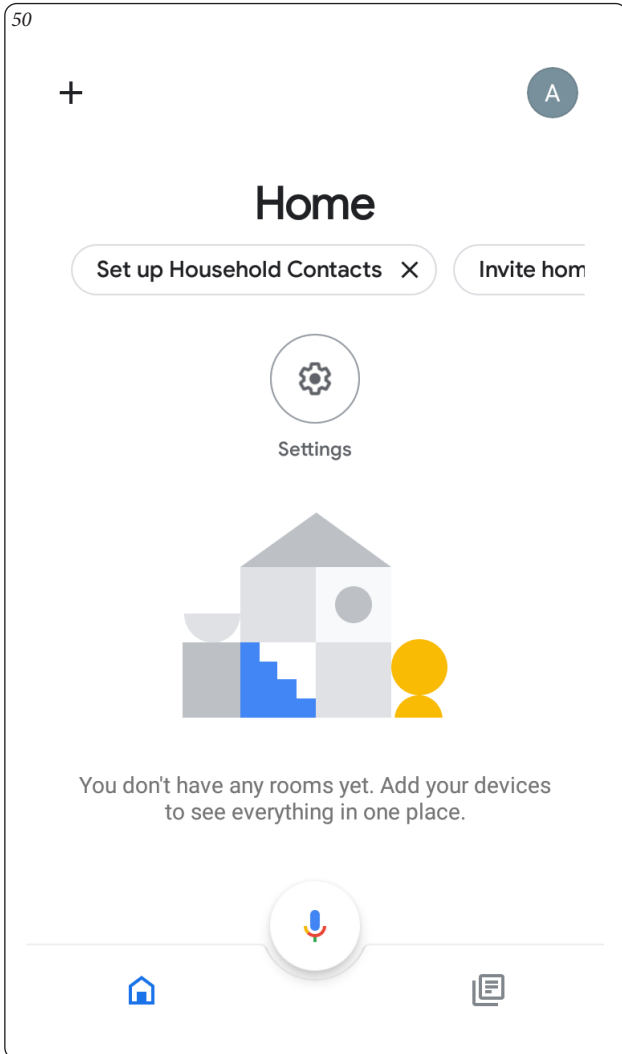
This procedure makes it possible to control the installations directly from Google Home via Smartphone or Smart Speaker.

Complete the installation procedure (Chapter 1).

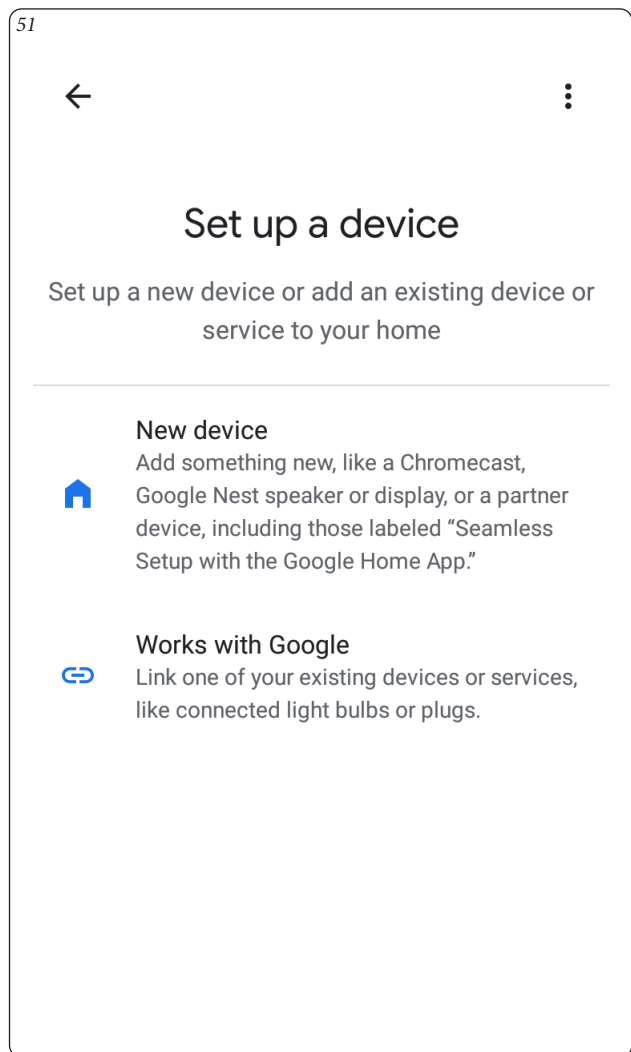
Look for the Android/IOS Market on your smartphone and install the “Google Home” app.

Start the Google Home app and login with the Google credentials.

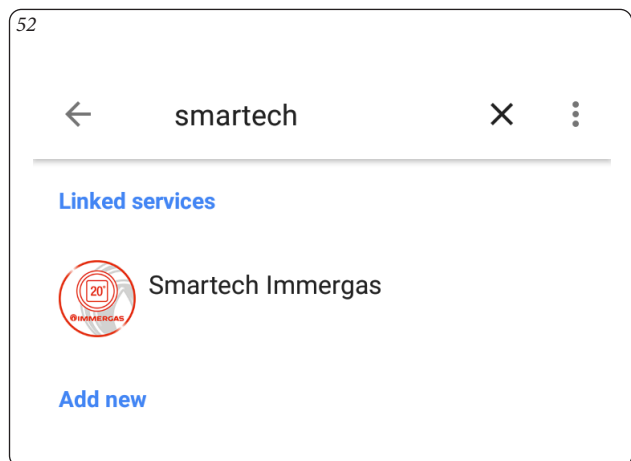
If you do not have Google credentials, complete the registration by means of the same application.



Once you have logged into the Google Home application, press the top-left “+” button to add a new device (Fig. 50).

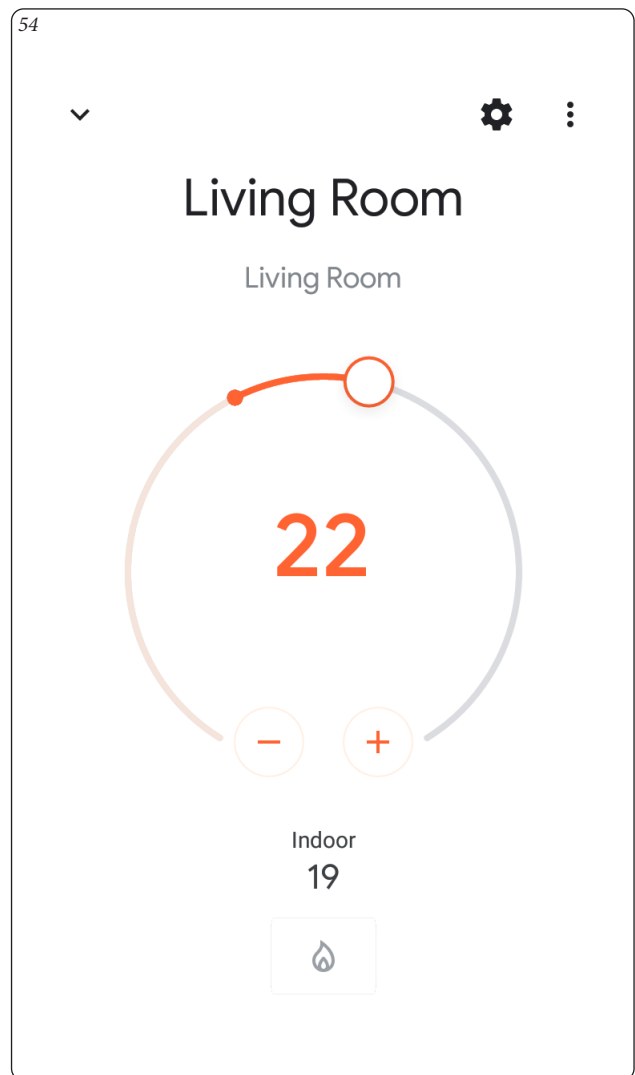
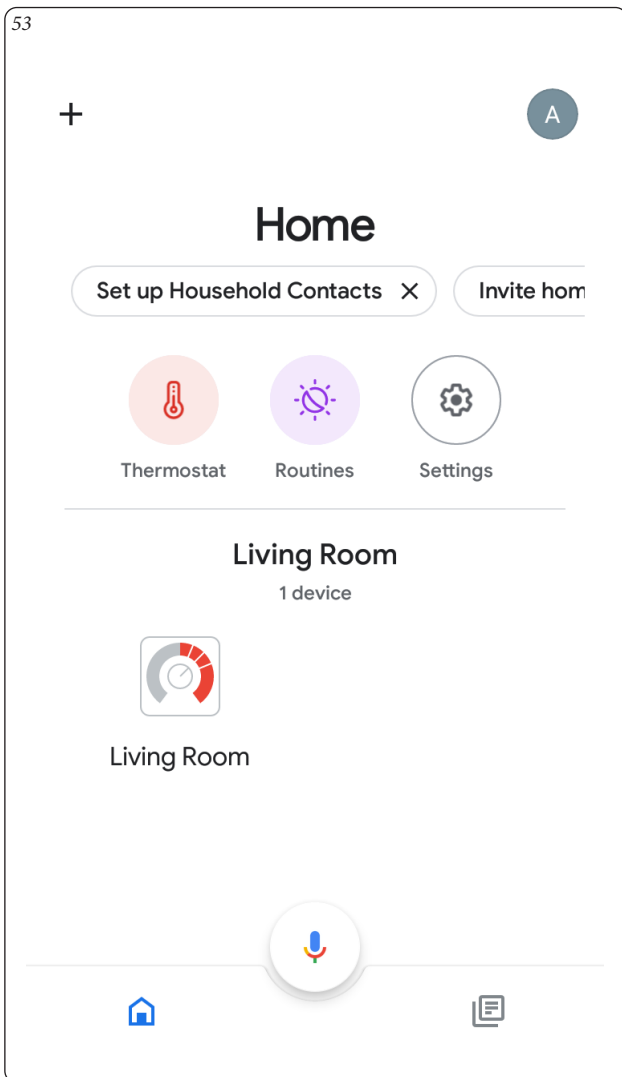


Then press “Add device” and select “Compatible with Google” (Fig. 51).



Search for “Smartech” as the service to be paired, you will then be prompted to enter the login credentials of the Smartech account (Fig. 52).

Once the service pairing procedure has been completed, go back to the Google Home home page to view the connected thermostat. Press on the device to check its adjustments (Fig. 53-54).



#### 4.4 CONTROL WITH GOOGLE HOME VOICE COMMANDS.

The installations can be controlled with Google Home voice commands. The following is a brief list of the recognised commands:

- "Hey Google, increase the temperature to 22 degrees";
- "Hey Google, lower the temperature to 20 degrees".

If you have two or more Installations, for example Living room and Bedroom, you may specify which Chrono-thermostat the following command refers to:

- "Hey Google, set the temperature of the Living room at 21 degrees."

For the complete list of commands, see the page relative to the Smartech skill on Google Home.

## 5 AWAY FUNCTION.

**N.B.:** not available for devices coupled with Magis M.

The Away function is used to manage the system in a different mode, based on the GPS position of the smartphone with respect to the installation. To access and adjust the settings of your system you need to know the credentials of the account which it is paired with.

**Note:** the away function is only available in combination with compatible Immergas generators.

### 5.1 FUNCTION DETAILS.

When the Away function has been enabled on the system concerned, the request to activate the generator will be carried out:

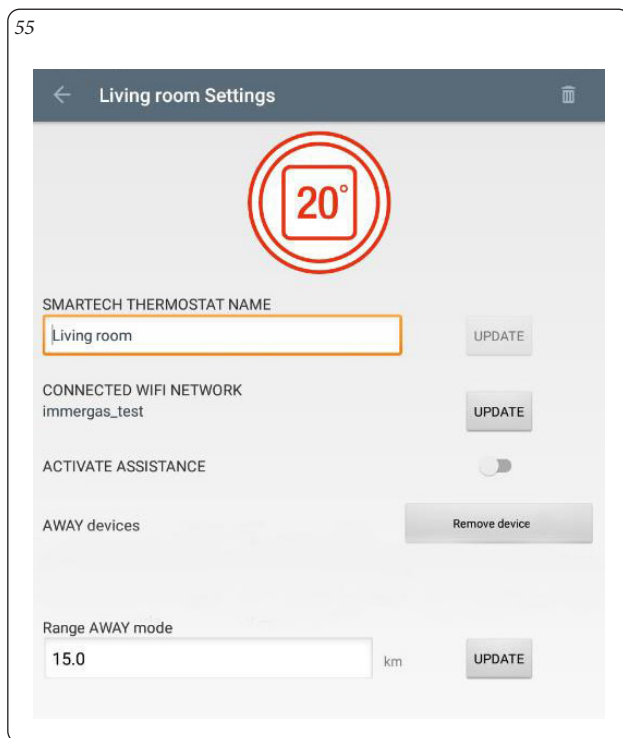
- considering the intended set room temperature if the GPS position of the smartphone is within the Away distance from the installation;
- forcing an intended room temperature equal to the SET ECO (Paragraph 2.9.11) if the GPS position of the smartphone is outside the Away distance from the installation.

The Away function can be turned on/off on the individual System.

If you manually change the temperature from the Chrono-thermostat or from the App, with Away mode on, this will be automatically disabled until the next time slot;

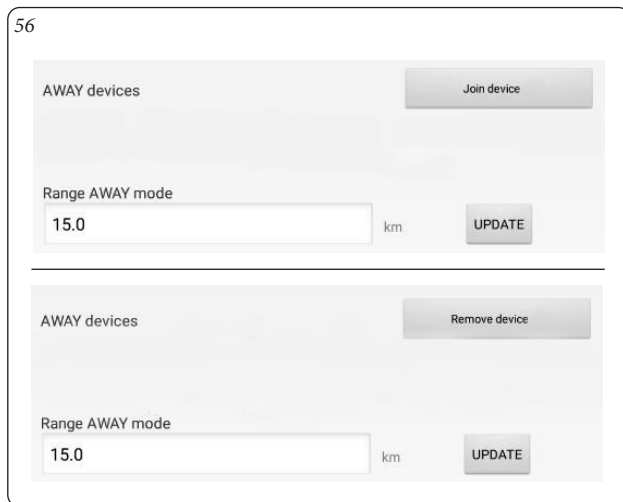
### 5.2 SETTINGS.

To open the Away function Settings, select the System with which you want to pair the Smartphone (in this case called Living Room) and go to the Settings menu (Fig. 55).



### 5.3 PAIRING A SMARTPHONE.

To pair the Smartphone to the system, simply press the “Pair device” button (Fig. 56).



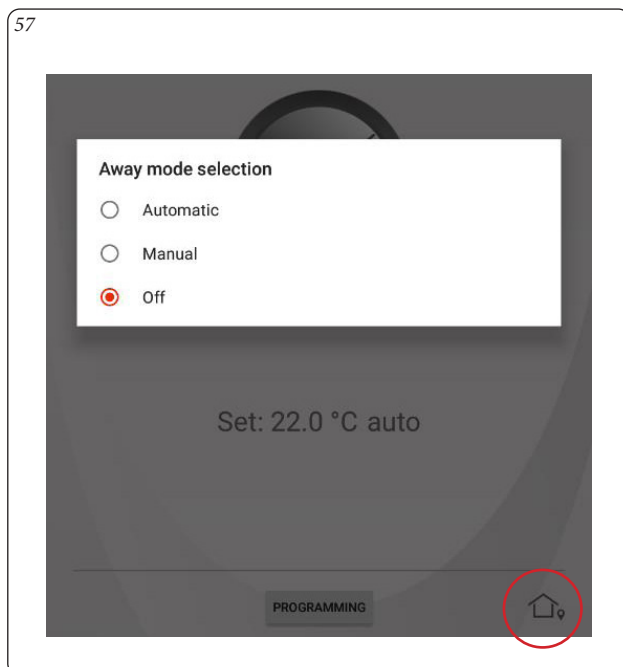
To remove the Smartphone, simply press “Unpair device”

### 5.4 AWAY FUNCTION ACTIVATION.

Once you have paired your Smartphone to the intended System as described in Paragraph 5.3, you can turn on the Away function on it.

Press the 'Away' icon at the bottom right of the main window (see circled detail in Fig. 57) and select one of the following function modes:

- automatic, the mode remains active as long as the paired smartphone has exceeded the "away distance" set in the menu of Fig. 56;
- manual, the mode stays on for a set number of hours;
- Off, the mode is turned off.



The Away function is enabled if the 'Away' icon at the bottom right of the main window is red. (Fig 58).



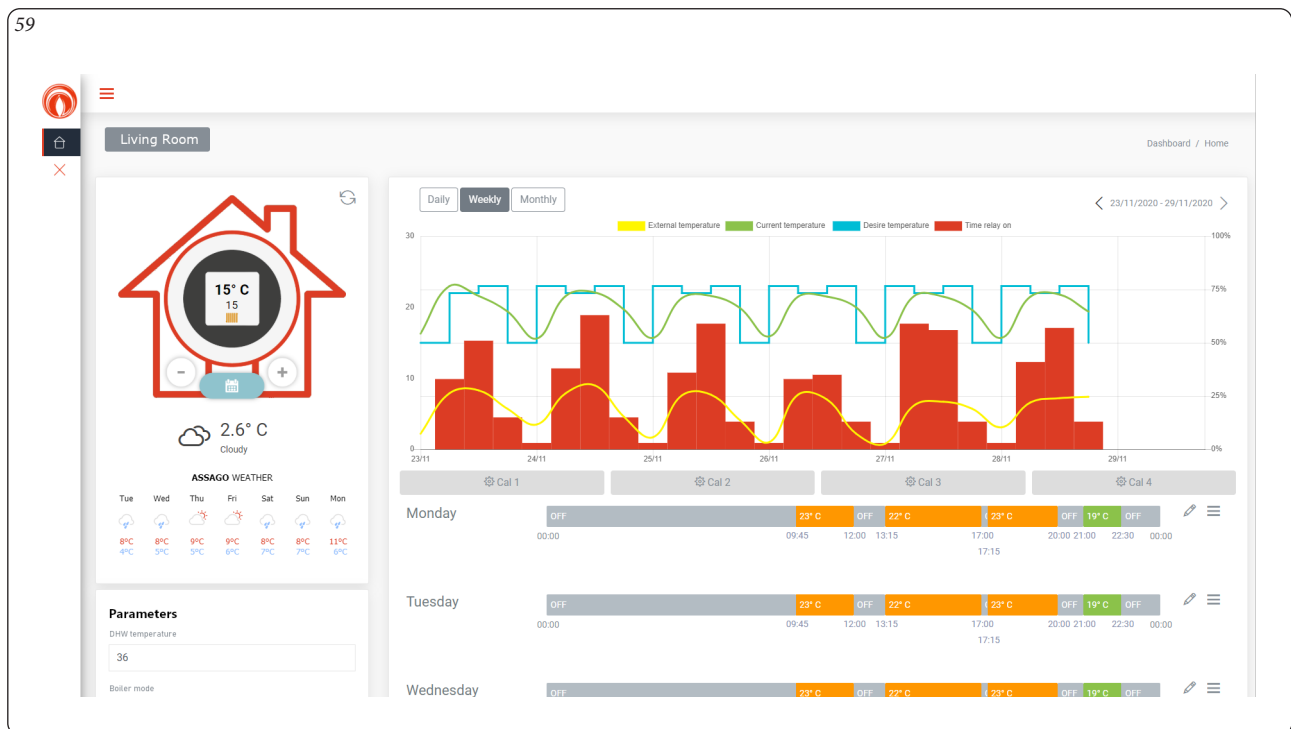
### 5.5 SYSTEM GEOLOCATION CHANGE

The geolocation of the System is linked to the procedure for connecting the Gateway to the Wi-Fi network.

Each time you change the password of the Wi-Fi network to which the Gateway is connected or pair a new System to the Account, the location is recorded by geolocation of the Smartphone.

## 6 WEB INTERFACE.

Through Smartech Plus or Wi-Fi Gateway Kit it is possible to control and view the operating status of your system via a specific WEB page that can be consulted from a PC or Tablet.



### 6.1 FUNCTION DETAILS.

This interface shows the daily, weekly and monthly operation / functioning graph (Fig. 59).

If the paired product allows it, it is also possible to modify the daily calendar and check the basic parameters of the individual Installations.

The Web interface can be reached at the following address using the Smartech App credentials:

<https://smartechnplus.immergas.com>

## 7 FAQ.

This chapter lists some suggestions for correct use of Smartech Plus or Wi-Fi Gateway Kit and the main solutions to the most recurring problems.

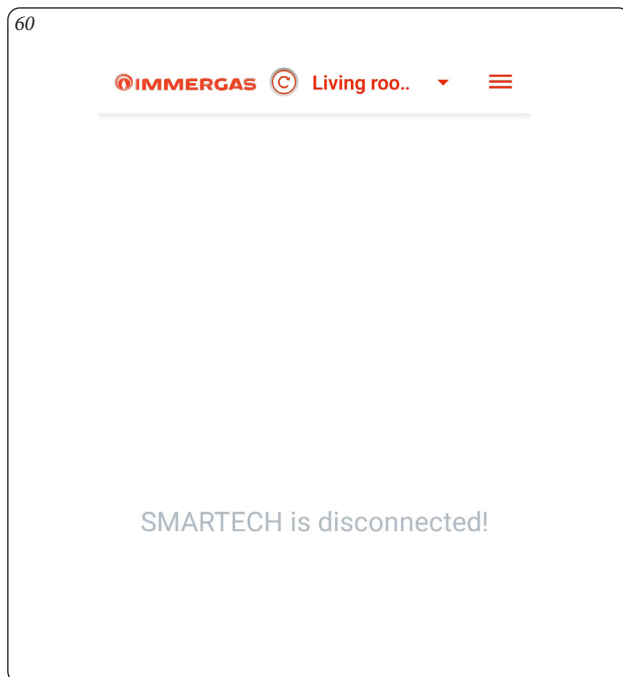
### 7.1 RESTORING DEFAULT CHRONO-THERMOSTAT SETTINGS.

In the event of incorrect programming of the Chrono-thermostat settings in the Smartech Plus kit, the default values can be reset as follows:  
Enter the Diagnostic menu (Par.2.9.6) and press 5 times until the word "DEFAULT" appears in the "SIGNAL STRENGTH box".

### 7.2 SYSTEM STATUS VIA APP.

It is possible to check the status of the system from the main Installation page via the App. The installation consists of Chrono-thermostat(s) and the Gateway (Smartech Plus) or the Gateway alone (Wi-Fi Gateway Kit).

- With Smartech Plus, if the Chrono-thermostat(s) are disconnected from the Gateway (low battery or out of Bluetooth range), the App will show the message "SMARTECH is disconnected!" (Fig. 60).



In this case it is necessary to replace the batteries of the Chrono-thermostat(s) or bring the latter closer to the Gateway (see Paragraph 2.9.6 Signal strength).

- If the Gateway is not connected to the internet (no home internet network or Wi-Fi out of range), the App will show an alert of the last update with the date and time (Fig. 61).



In this case it is necessary to check the internet access or the coverage of the home Wi-Fi signal.

### 7.3 OT ERROR / MODBUS ERROR.

This error can be displayed both on the App and on any device. If it occurs it may be due to:

#### **Incorrect electrical connection.**

Check the correct electrical connection of the Gateway in the installation manual, also checking the wiring diagrams in the generator instructions booklet.

#### **Accidentally activating safe mode (only for Smartech Plus).**

For further information on this mode, consult the device installation instruction sheet.

To exit this mode, remove the batteries from the Chrono-thermostat(s) and turn off power to the Gateway. Insert the batteries again and power the Gateway again.

#### **Incorrect system registration.**

Delete the main zone of the installation which highlighted the anomaly, (Par. 2.8 with Ref. 1 of Fig. 19) and repeat the registration (Par. 1.3).

#### **7.4 APP LOGOUT.**

In case of a malfunction of the App and/or display of inconsistent values/parameters, it is recommended to log in to the App again.

To log out, simply press on the 3 horizontal bars at the top right of the main window and select the 'Logout' command.

Enter your registration credentials again to log in.

#### **7.5 BLUETOOTH PAIRING (BLE).**

During system registration, the Smartech App independently searches for the Gateway's Bluetooth connection.

Do not manually force the pairing between the smartphone and Gateway via the Bluetooth network called "J\_CONFIG". In the case of forced pairing, unpair the above mentioned Bluetooth network from the smartphone.

#### **7.6 2.4GHz AND 5GHz Bandwidth.**

Smartech Plus and Kit Gateway Wi-Fi are compatible with the 2.4GHz 802.11b/g/n frequency. If you have a dual-band router, 2.4GHz and 5GHz, Smartech Plus can only be connected to 2.4GHz networks.

In the event of frequently losing connection, it is recommended to create a 2.4GHz host network that Smartech Plus / Gateway Wi-Fi kit can be connected to and any zone expansions. The host network must not require any web login.

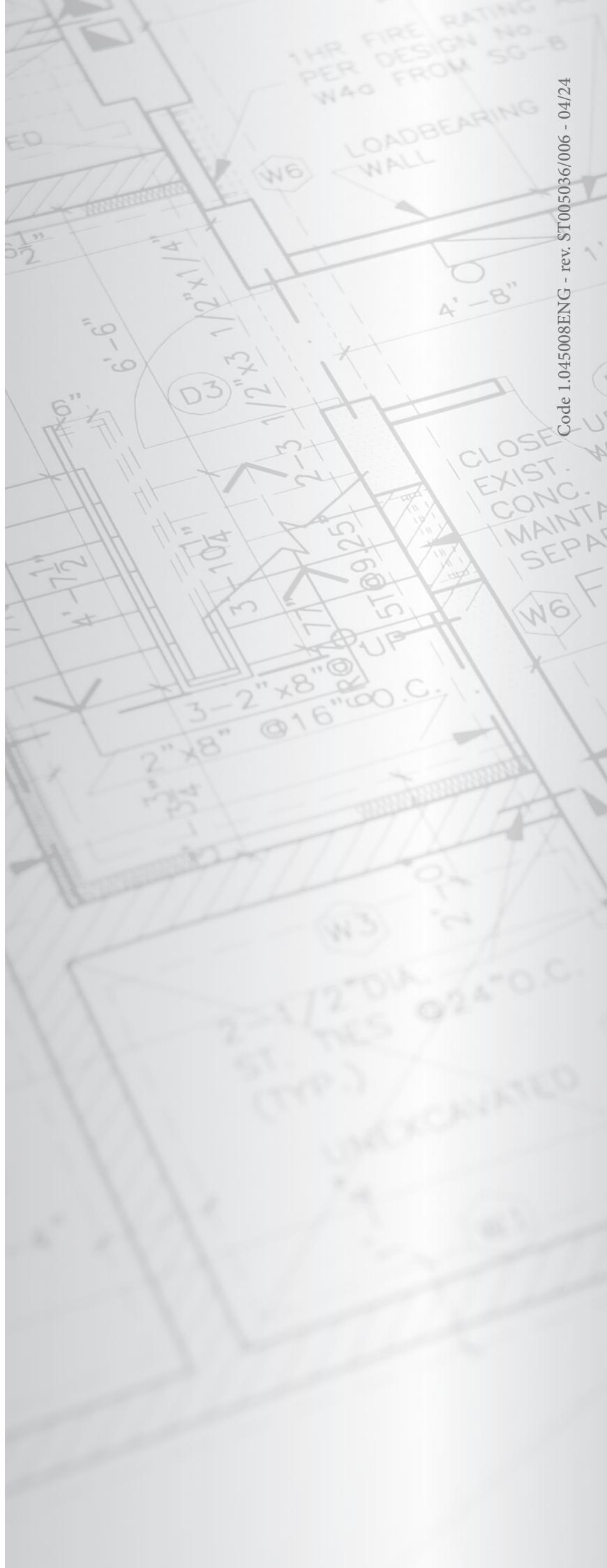


This instruction booklet is made of ecological paper.



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