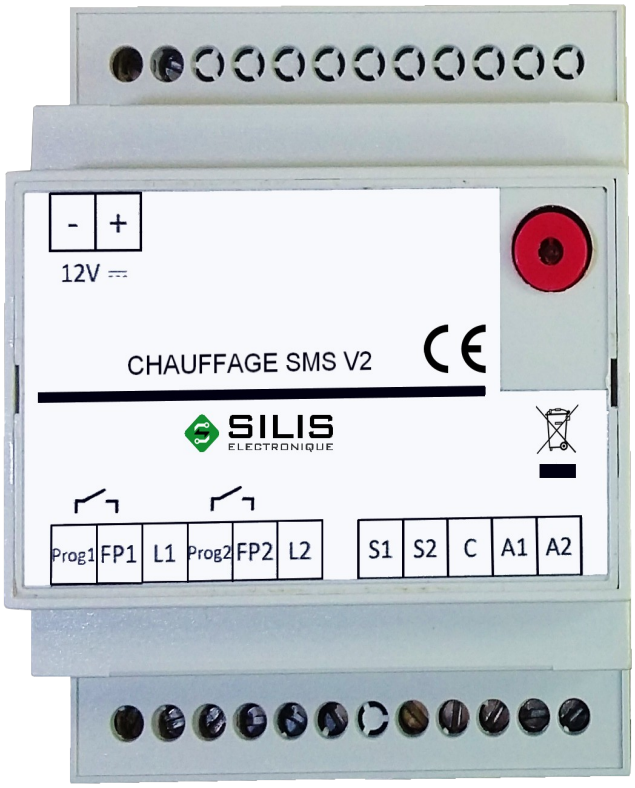
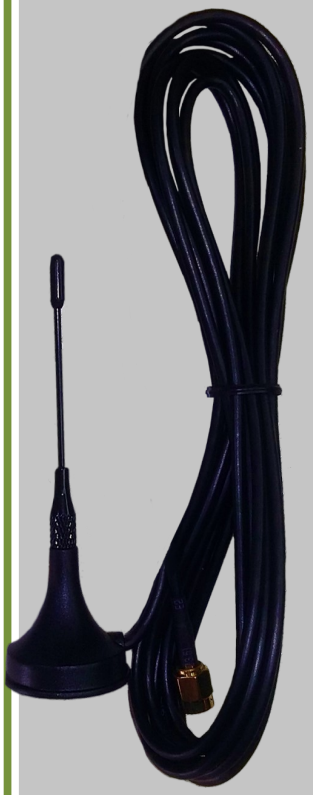
CHAUFFAGE SMS V2





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1 PRESENTATION OF THE PRODUCT

CHAUFFAGE SMS is designed to bring comfort and economy to the heating of your second home. It acts directly on the ambient temperature without changing the installed heating nor programming.

CHAUFFAGE SMS is controlled by your smartphone by sending or receiving SMS. It is not necessary to take internet subscription (no box needed), you just need to install a SIM card in the product.

CHAUFFAGE SMS can also be controlled by an application that you can download on our website (www.silis-electronique.fr). This application is **only** available for **ANDROID** devices.

For a temperature control in ECO mode that best suits your needs and / or avoids the risk of frost in winter, you can add its temperature sensor provided.

CHAUFFAGE SMS alerts you when a problem is detected on your system (power failure, etc). You will receive these alerts directly on your phone through SMS (these alerts will not be sent to your application).

CHAUFFAGE SMS is compatible with a large number of heating system: electric with or without a pilot wire (the product works in **pilot wire 4 orders**), gas boiler, etc.

In addition to the main heating function, additional functions are available such as: 2 alarm inputs, alarm in case of mains failure, on / off output for controlling another device (only available in absence of the second heating zone).

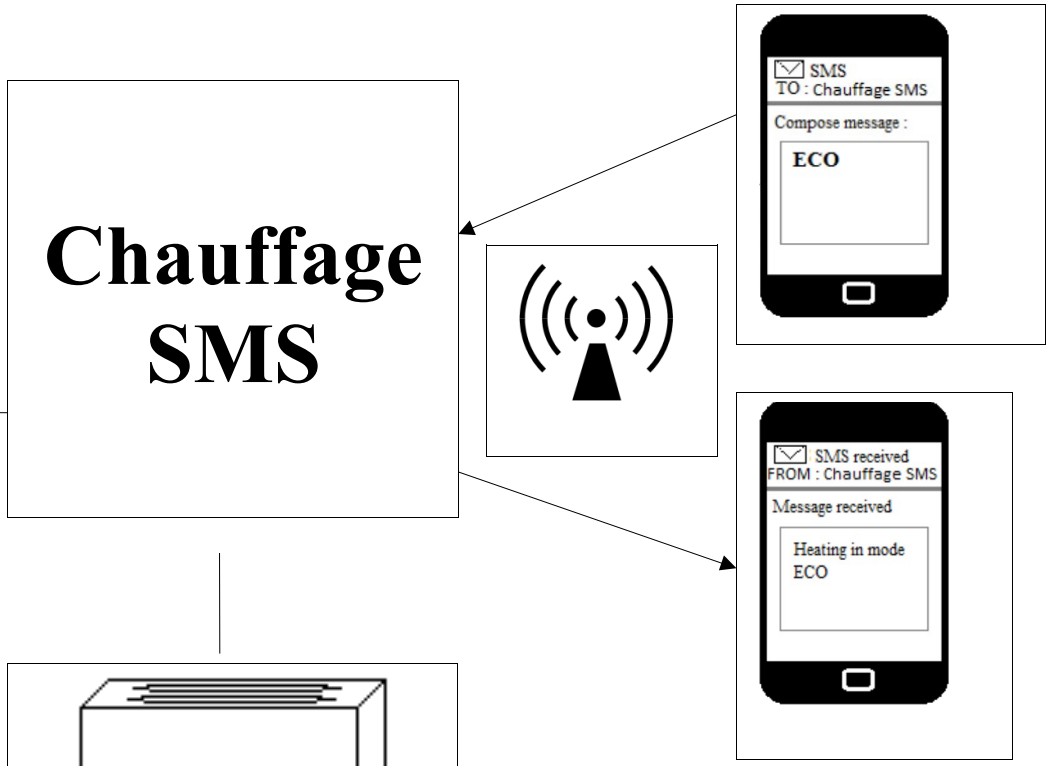
Further informations :

CHAUFFAGE SMS uses GSM communications, so you need to subscribe to the operator of your choice. This one will provide you with a SIM card. This card will contain all the information about your subscription. In order to avoid the interruption of the GSM network due to the expiry of a prepaid or limited-price SIM card, we advise you to avoid this kind of subscription.

The PIN code of the SIM card must first be disabled using a mobile phone before being inserted inside the product.

Important:
For security reasons, you must keep the GSM phone number of the product secret.

Existing installation

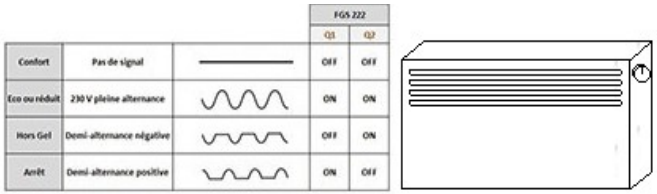
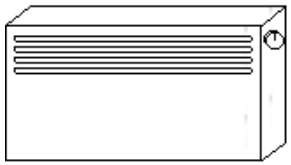
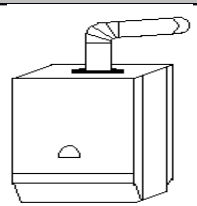


*** Adding this probe is not required**

This sensor allows you to regulate the temperature of your house to the setpoint chosen (from 6°C, for frost protection for example, to 20°C). If you feel that there is no risk of frost in your home, you can do without this probe.
Install the probe at 1.50m from the floor, on an inside wall, avoiding external influences (sunlight, etc.) and internal influences (radiators, etc.). Also remember to place the probe housing so that the air holes are directed up and down (to facilitate the flow of air inside the probe housing).

2 FEATURES

Depending on your existing heating installation, the table below will help you identify the features offered by the product.

Electric heating with pilot wires	Electric heating without pilot wires	Boiler
 **“PRESENT” mode:** Your heating programmer manages the pilot wire of the radiators (Chauffage SMS is at rest). If your installation is devoid of a heating programmer, the control is managed by your heater. **“ECO” mode:** Chauffage SMS applies a frost protection signal to the pilot wire on the radiators (your heating programmer is disconnected from the pilot wire of the radiators). If you want to obtain a higher ECO temperature than frost protection, it is necessary first to install a temperature sensor and to set this setpoint by SMS. Then make sure that the heating programmer is not in the anti-freeze or off position.	 **“PRESENT” mode:** Your heating programmer manages the regulation of your radiators (Chauffage SMS is at rest). If your installation is devoid of a heating programmer, the control is managed by your heater. **“ECO” mode:** Chauffage SMS manages the control of your radiators from the temperature setpoint defined by SMS. In the absence of a temperature sensor, the heating is switched off (Attention to the risk of frost!).	 **“PRESENT” mode:** Your programmer manages the regulation of your radiators (Chauffage SMS is at rest). If your installation is devoid of a heating programmer, the control is managed by your heater. **“ECO” mode:** Chauffage SMS manages the control of your radiators from the temperature setpoint defined by SMS. In the absence of a temperature sensor, the heating is switched off (Attention to the risk of frost!). **For recent boilers Chauffage SMS acts directly on a dedicated input. For others it only acts on the water circulator of the heating circuit.**
Refer to wiring diagram on page 7	Refer to wiring diagram on page 8	Refer to wiring diagram on page 9

3 INSTALLATION

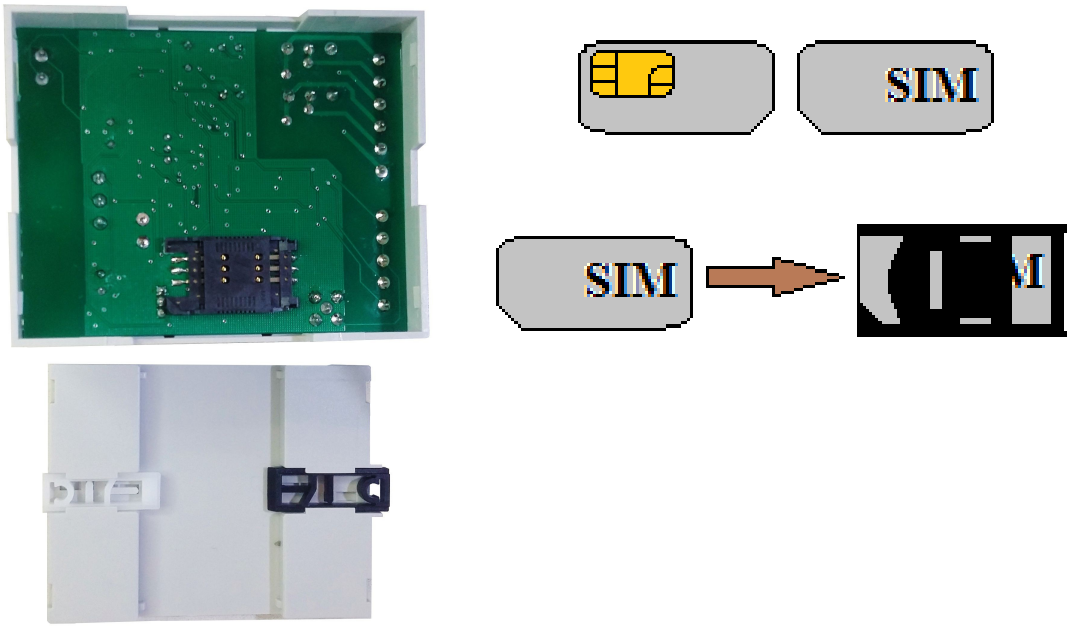
For safety reasons this product must be installed in your electrical panel by an authorized person.

Below you will find wiring diagrams for different types of installation.

3-1 INSERTING THE SIM CARD

To install the SIM card, open the Chauffage SMS product box, the SIM connector is on the back of the circuit board.

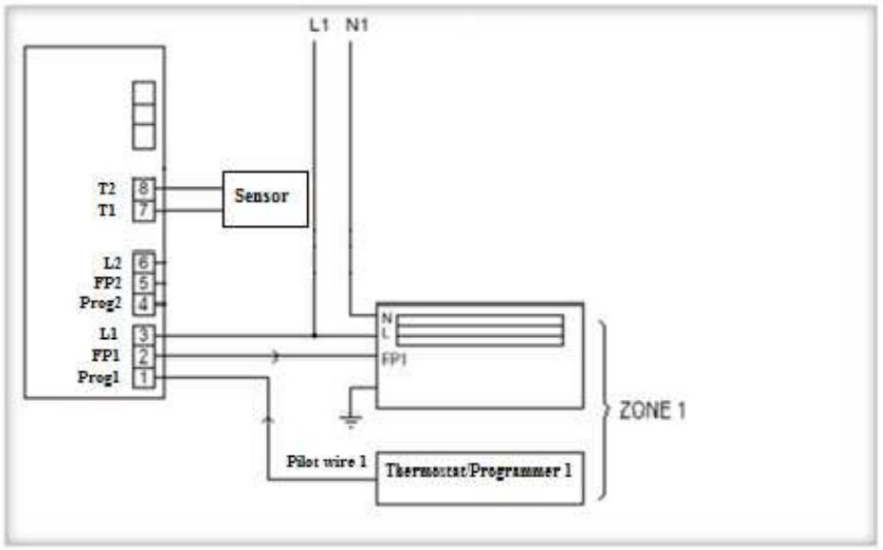
Attention to the direction of insertion of the SIM card into the connector (cut corner bottom left).

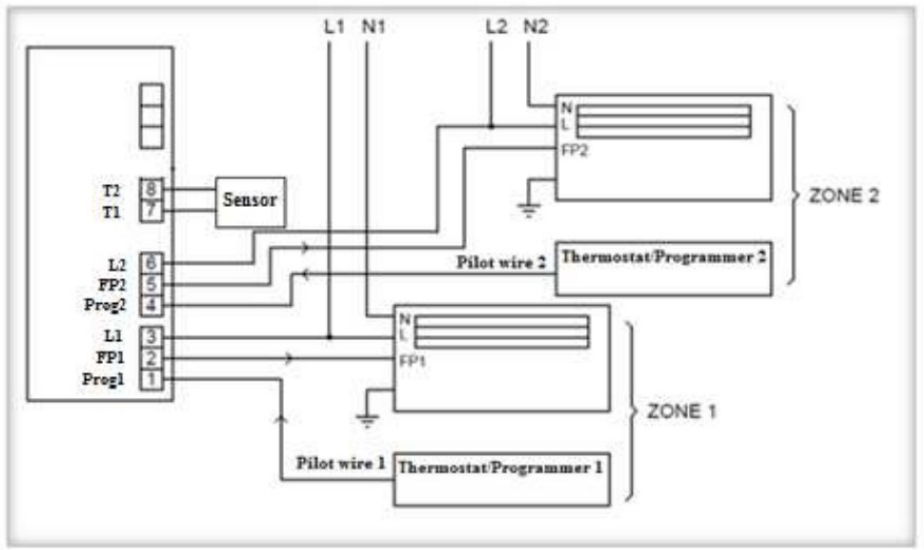


When inserting the SIM card the product must be turned off.

3-2 Electric heater with pilot wire(1 zone or 2 zones)

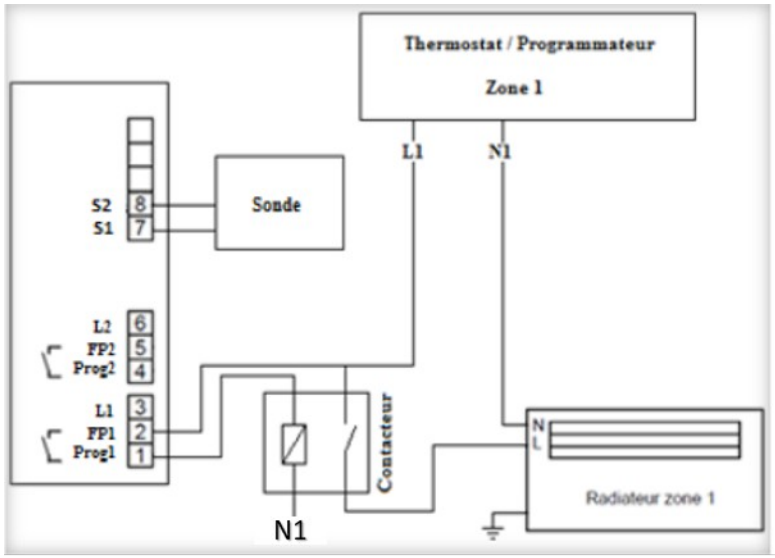
If you use the 2 heating zones do not forget to set the second output in heating zone (**Z2**). For this refer to Chapter 4 (Usages).

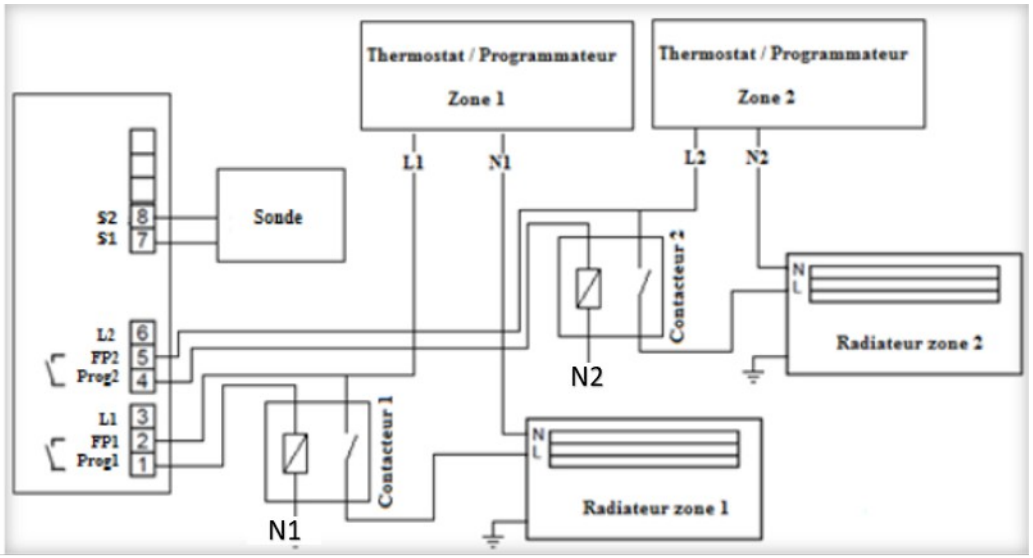




3-3 Electric heater without pilot wire(1 zone or 2 zones)

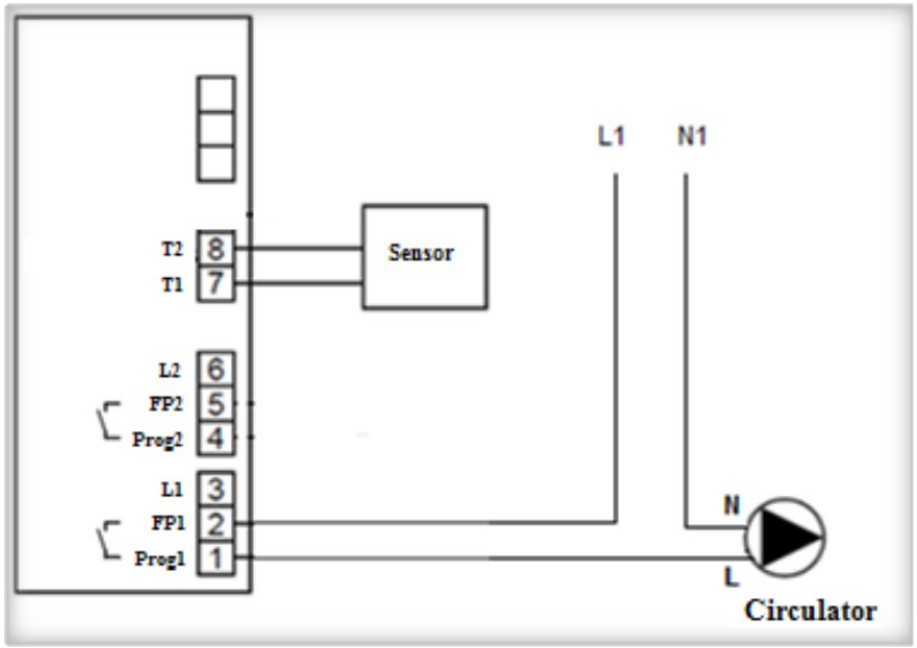
If you use the 2 heating zones do not forget to set the second output in heating zone (**Z2**). For this refer to Chapter 4 (Usages).

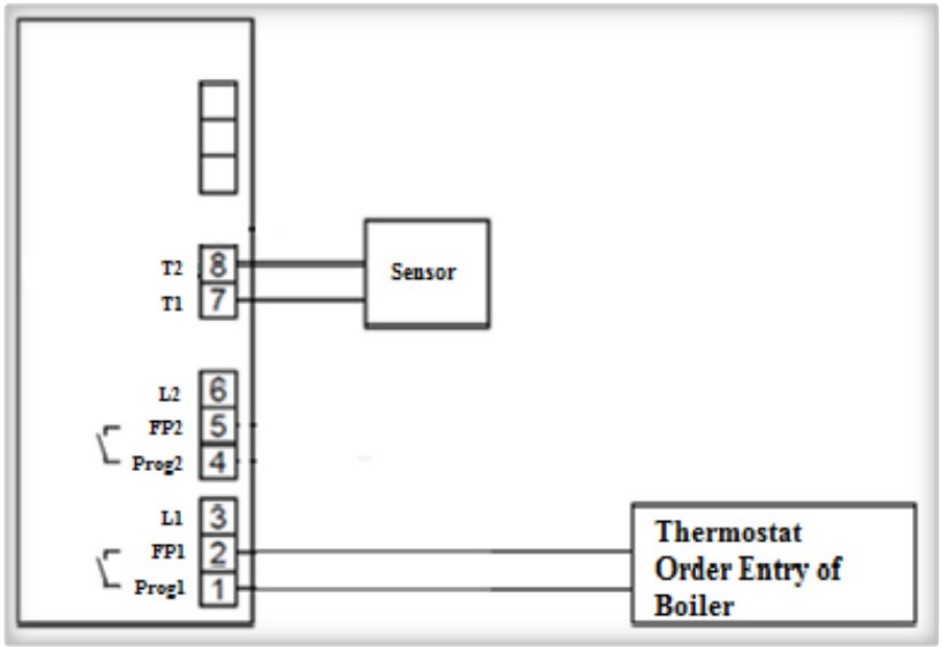




The addition of the power contactors is imperative to ensure proper system operation. Without these contactors you risk damaging the product and thus losing the warranty.

3-4 Boiler (with circulator or control input)

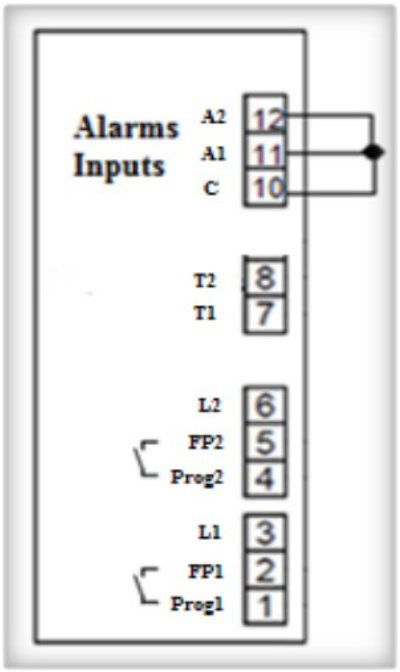


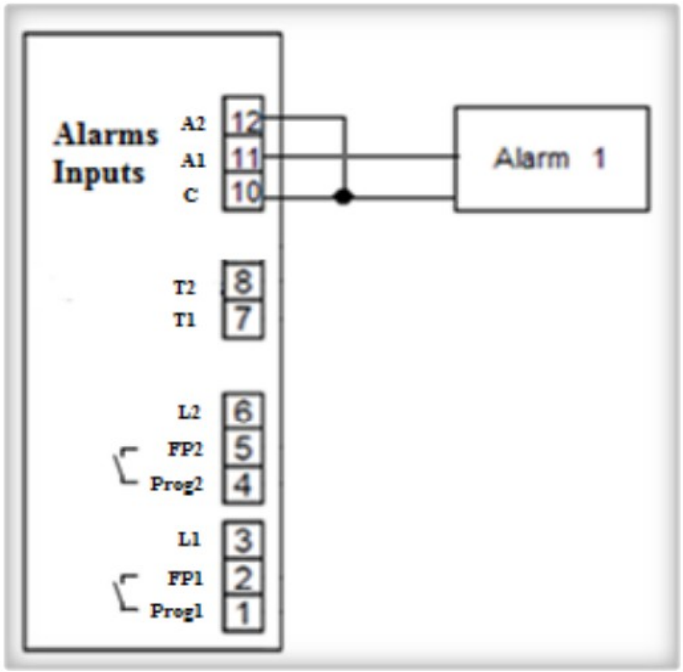


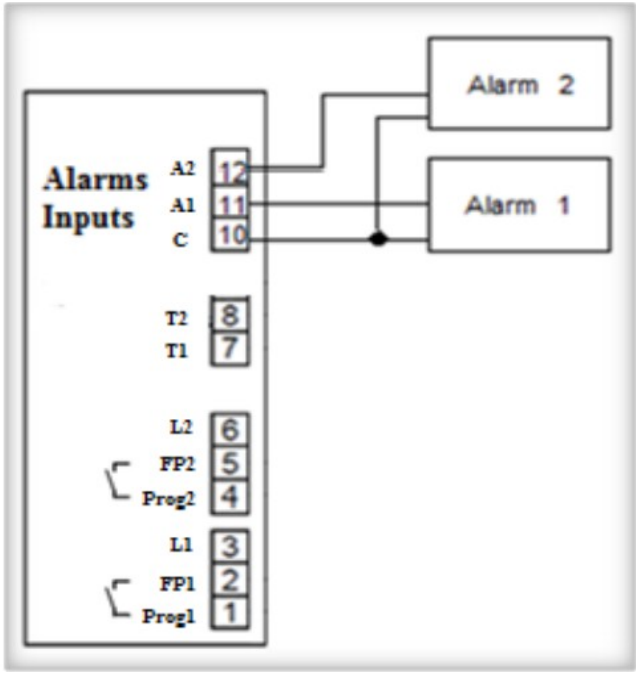
3-5 Alarms inputs

You also have the possibility to connect 2 alarm inputs.

You will find below how to wire them according to the number of alarms desired. The information delivered by your alarm must be dry contact type (potential free), closed at rest. The alarm message is sent when the dry contact of the external alarm opens.





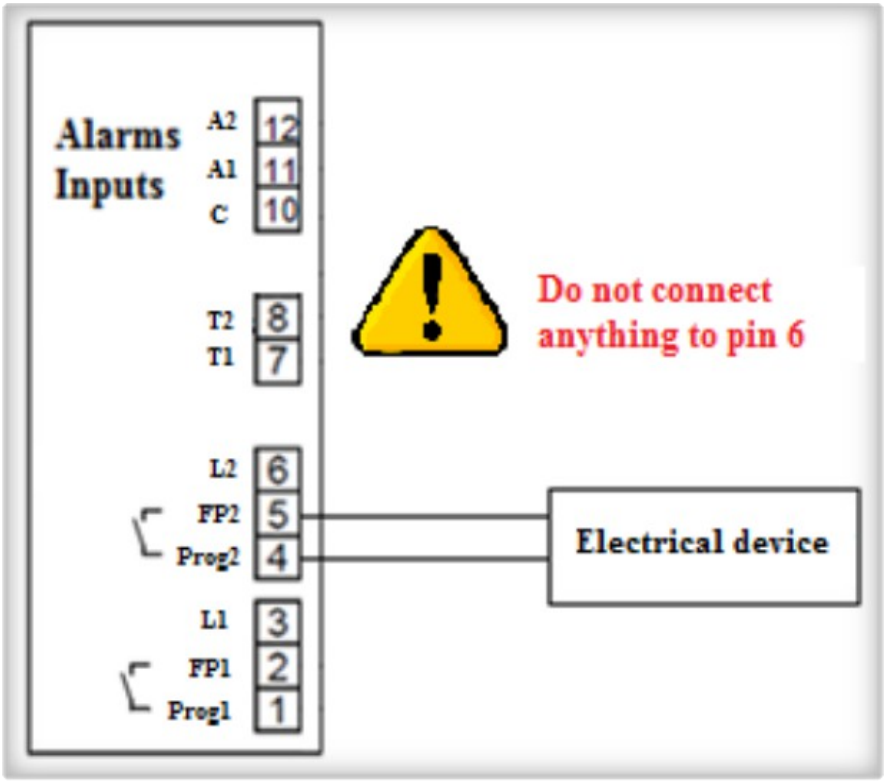


3-6 Outputs ON/OFF

In the absence of a second heating zone (**Z2**), it is possible to configure the second output to a switching output (ON / OFF) by sending the SMS command "**ON"** or "**OFF"**.

This feature allows you to control electrical devices (lighting etc ...).

The power must be less than 100W, otherwise it is necessary to install a contactor.



4 USAGES

Chauffage SMS can be downloaded on our website (https://www.silis-electronique.fr/) by SMS using the commands below.

Commands must be sent in CAPITAL (otherwise you will receive an error message: "Invalid or unauthorized command")

4-1 SETTING UP

The administrator is the person who receives the alarm messages and manages the addition or deletion of different users.

Product configuration procedure:

When you turn on the product you have **2 minutes** to press the push button on the front of the product. You then have **another 2 minutes** to identify yourself as administrator and configure the product.

If the 2 minutes have elapsed before you have had time to finish the configuration, then you have to stop and reset the power supply and restart the procedure.

The indicator light on the front of the product flashes rapidly (see section 5 for the different types of flashing) as long as no valid configuration has been sent.

The setting is sent by SMS as: **ADMIN,XX,XX** (do not forget the comma between commands) with XX corresponding to a command described below:

1st command: "**ADMIN**" (this command identify you as the administrator of the product). Chauffage SMS automatically recognizes your phone number, it is not necessary to indicate it.

2nd command: "**FRA**" or "**ENG**" (this command allows you to select the operating language: **FRA** → French or **ENG** → English). if you choose FRA, please refer to the french documentation, some commands may be different.

3rd command: "**PRESENT**" or "**ECO**" (this command allows you to select the operating mode you want at configuration time: **PRESENT** → Present mode or **ECO** → ECO mode).

4th command: number between "**6**" and "**20**" (this command allows you to choose the value of the temperature setpoint in degrees Celsius. This setpoint cannot be less than 6 nor greater than 20)

5th command: "**Z2**" or "**ON**" or "**OFF**" (this command allows you to choose the operation of the second output of the product: **Z2** → second heating zone or **ON** → relay output on or **OFF** → relay output off).

Examples:

SMS configuration examples	Description of the configuration
ADMIN,ENG,PRESENT,6,ON	➢ ADMIN: Registering your phone number as administrator ➢ ENG: English language ➢ PRESENT: Present mode ➢ 6: temperature setpoint at 6°C ➢ ON: Relay output ON
ADMIN,ENG,ECO,16,Z2	➢ ADMIN: Registering your phone number as administrator ➢ ENG: English language ➢ ECO: ECO mode ➢ 16: temperature setpoint at 16°C ➢ Z2: output 2 as second heating zone
ADMIN,ENG,ECO,20,OFF	➢ ADMIN: Registering your phone number as administrator ➢ ENG: English language ➢ ECO: ECO mode ➢ 20: temperature setpoint at 20°C ➢ OFF: Relay output OFF

At the end of the configuration an SMS is returned to you to confirm that it is fine:

"**Config OK Admin : +33xxxxxxxxx**" and the LED in front of product stop flashing quickly. An SMS is also sent to the old admin "**Admin: +33xxxxxxxxx**" if existing.

4-2 ADMINISTRATOR CHANGE PROCEDURE AND ADDING/DELETING USERS

Commands must be sent in CAPITAL (otherwise you will receive an error message: "Invalid or unauthorized command")

Procedure to be performed **only** if the administrator changes.

To change the administrator it is necessary to restart the product. You then have **2 minutes** to press the push button on the front of the product. Then you have **another 2 minutes** to identify yourself as administrator by sending the SMS command: "**ADMIN**"

When a new administrator is registered an SMS is returned to the old and the new administrator. SMS received: "**New ADMIN: +33612345678**".

You can also declare up to 2 additional users by sending the "**ADD + 33xxxxxxxxx**" SMS command from the administrator's phone, with xxxxxxxxx as the phone number (without the first 0) of the user to add. Be careful not to forget the space between ADD and +33.

When configuring a user, the administrator and the user receive a confirmation message: "**Adding the user: +33612345679**".

To delete a user, the administrator must send an SMS from his phone the command: "DEL + **33xxxxxxxxx**", with xxxxxxxxx the phone number (without the first 0) of the user to delete. Be careful not to forget the space between DEL and +33.

When deleting a user, the administrator and the user receive a confirmation message: "**Deleting the user: +33612345679**".

4-3 Description of SMS Commands

4-3-1 Commands to be sent by the user via SMS to the product

Commands must be sent in CAPITAL (otherwise you will receive an error message: "Invalid or unauthorized command")

SMS to send	Examples	Description
ADMIN	ADMIN	- Allows **configuration of an administrator** for 2 minutes after power on and pressing the push button of the product
ADD +33XXXXXXXXX	ADD +33612345679	- Allows **the addition of a user** (2 users max. in addition to the administrator) **(Do not forget the space between ADD and +33)**
DEL +33XXXXXXXXX	DEL +33612345679	- Allows **deleting a user (Don't forget the space between DEL and +33)**
USERS?	USERS?	- Allows you to request the numbers of the users already programmed
ADMIN,XX,XX,XX,XX	ADMIN,ENG,PRESENT,16,ON	- Product configuration (see Setting up)
LANGUAGE=X	LANGUAGE=ENG	- Enables you to configure the language used for sending and receiving SMS where **X** is the language: **ENG** (English) or **FRA** (French)
SETPOINT=XX	SETPOINT=16	- Enables you to configure the setpoint temperature in °C (between 6 and 20)
Z2	Z2	- Configure the **2nd output in the heating zone (Z2)**.
ON	ON	- Configure the **2nd output in electrical control unit to ON**
OFF	OFF	- Configure the **2nd output in electrical control unit to OFF**
STATUS	STATUS	- Request the current heating mode - Request the mode of output 2 (either in 2nd heating zone or in electrical control unit), and its status (ON or OFF) - Request the inputs alarms status - Request the power supply status

PRESENT	PRESENT	- Switching to the **PRESENT mode** The regulation is managed by the heating system or the programmer.
ECO	ECO	- Switching to the **ECO mode** The regulation is managed by the product at the temperature setpoint

CHAUFFAGE SMS can also be controlled by a downloadable application on our website (https://www.silis-electronique.fr/) or on the Google Play Store. This application is only available for ANDROID devices.

4-3-2 Description of SMS Received by the user

SMS	Examples	Description
Config OK **Admin : +33xxxxxxxxx** **Warning, no probe**	Config OK Admin : +33612345678 Warning, no probe	- The administrator receives this message after the configuration of device. If no probe is detected on the input sensor, you receive this alert: "**Warning, no probe.**"
ERR Config	ERR Config	- The administrator receives this message when the product configuration was not well performed
New Admin : **+33xxxxxxxxx**	New Admin : +33612345678	- When the administrator changes is received by the old **and** the new administrator, with+**33xxxxxxxxx** as the **phone number** of the new administrator
Adding the user : **+33xxxxxxxxx**	Adding the user : +33612345679	- The administrator receives this message after adding a new user. The new user also receives this message.
Error : not add a third user	Error : not add a third user	- The administrator receives this message if he tried to add a third user
Invalid Phone Number	Invalid Phone Number	- The administrator receives this message if the entered phone number does not begin with +33 or/and if the next 9 characters are not numbers.
Deleting the user : **+33xxxxxxxxx**	Deleting the user : +33612345679	- The administrator receives this message after deleting a new user.
User 1 : +33xxxxxxxxx **User 2 : +33xxxxxxxxx**	User 1 : +33633863675 User 2 : +33633863675	- The administrator receives this message as answer to the "**USERS?**" command.
Language ENGLISH	Language ENGLISH	- Confirmation of the language selection
Setpoint : XX	Setpoint : 16	- The administrator receives this message after setting up the temperature setpoint.
Invalid setpoint	Invalid setpoint	- The administrator receives this message if the temperature setpoint if lower than 6 or greater than 20
Output 2 ON	Output 2 ON	- Confirmation of the switch-on device connected to the output 2
Output 2 OFF	Output 2 OFF	- Confirmation of the switch-off device connected to the output 2
Output 2 in mode heating zone	Output 2 in mode heating zone	- Confirmation of the passage in **heating zone** mode of the output 2
Heating : XXXX **Setpoint : XX** **Temperature : XX** **Output 2 : XXXX** **Alarm1 XX** **Alarm2 XX** **Batteries XX**	Heating : ECO Setpoint : 16 Temperature : 19 Output 2 : Electrical device ON ALARM 1 DETECTED No alarm 2 Batteries OK	- Indication of the current mode (**PRESENT or ECO**), the value of the temperature setpoint (°C), the value of the current temperature (if no sensor is connected you will have the message: « **Warning, no probe** »), the current setting of the output 2 (**Heating zone, Electrical device ON or Electrical device OFF**). You will also have the state of the 2 alarms inputs **(ALARM 1 DETECTED or No alarm 1, ALARM 2 DETECTED or No alarm 2)** and then the current batteries **(Low batteries or Batteries OK)**. - This message is send as 2 SMS
Heating : PRESENT	Heating : PRESENT	- Confirmation of the passage in **PRESENT** mode
Heating : ECO	Heating : ECO	- Confirmation of the passage in **ECO** mode
Invalid command or unauthorized control	Invalid command or unauthorized control	- This message is received when a wrong command (or an unauthorized order) has been sent

4-4 Received Alert Messages

ALARM 1 DETECTED	- You receive this message when the 1st alarm input is activated
ALARM 1 DETECTED	- You receive this message when the 2nd alarm input is activated
DISAPPEARING ALARM 1	- You receive this message when the 1st alarm input has disappeared
DISAPPEARING ALARM 2	- You receive this message when the 1st alarm input has disappeared
Warning risk of frost	- You receive this message if the temperature drops to 4 ° C and the probe is present. This message indicates that there is a problem with the heating system: boiler failure or radiators for example.
Low batteries	- You receive this message when the batteries are exhausted. It will be necessary to change them as soon as possible
Power failure	- You receive this message during a power faillure of more than 30 seconds
Power ON	- You received this message when the power is back after a power failure

These alerts messages are sent to you directly by SMS, they will not be sent on your application.

5 Push button and LED indicator

In the front face of the product there is a push button and a LED indicator. The LED is used to indicate the current mode of the product (**PRESENT** or **ECO**).
Except configuration, the push button allows you to select on-site heating mode, in this case no need to send SMS.

Descriptive table of the different indicator states:

Indicator state	Description	Further informations
Fast flashing	Initialization procedure	At power on, the product proceed to an initialization. During the whole initialization time (up to 13 seconds) the indicator is fast flashing
ON fixed	Heating on PRESENT mode	The product is working well and is on PRESENT mode
Slow flashing	Heating on ECO mode	The product is working well and is on ECO mode
Flashing (2 flashes)	No configuration	See paragraph 4-1 to configure the product.
Flashing (3 flashes)	SIM card issue	Verify that the SIM card is present and it on the right insertion way. If the problem is persisting; please verify that the PIN code was removed.

6 ANDROID APPLICATION

6-1 INSTALLATION

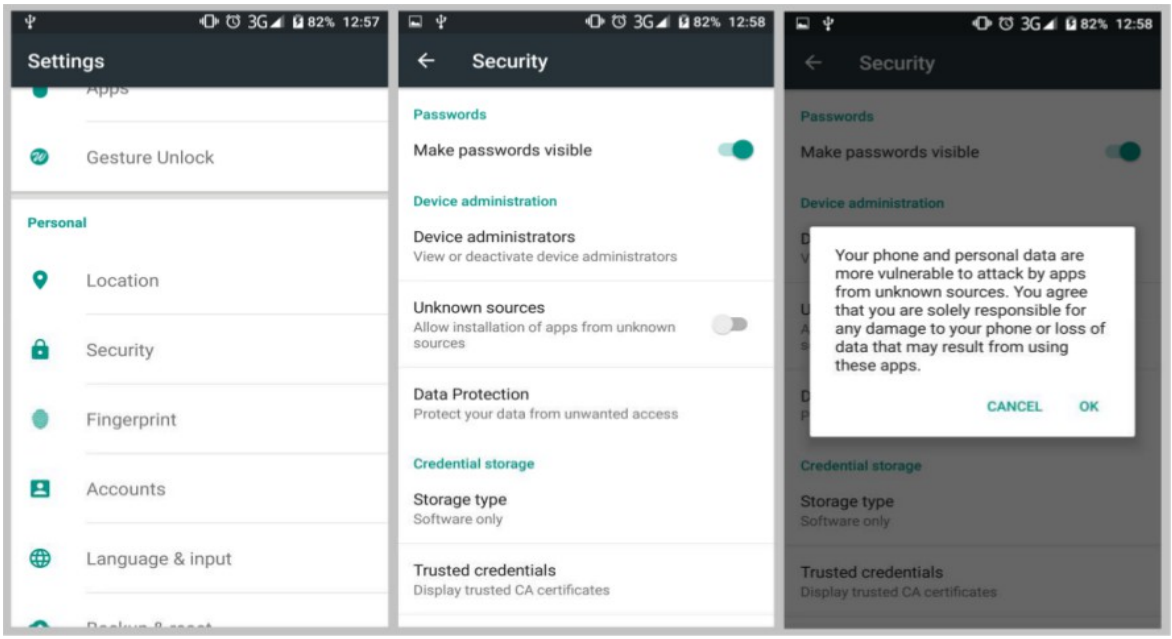
CHAUFFAGE SMS can also be controlled by a downloadable application on our website (https://www.silis-electronique.fr/) . This application is only available for ANDROID devices.

To install the application CHAUFFAGE ECO on your Android device, you must have :

- Perform a manual installation using the .apk file that you can download directly from our website (https://www.silis-electronique.fr/)

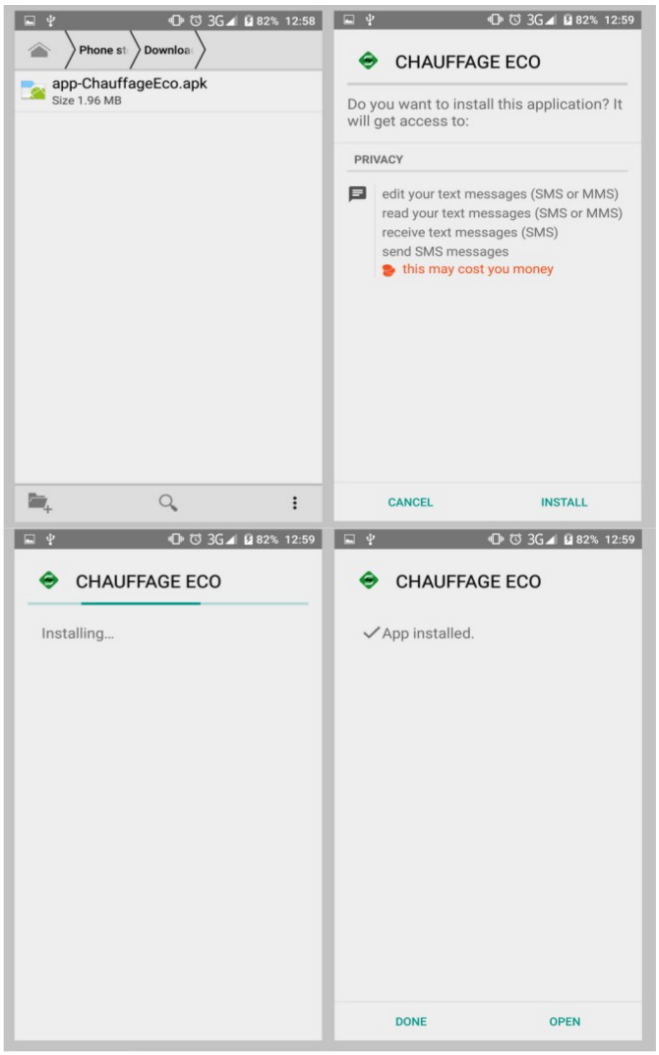
Manual installation via the .apk file:

First of all, if you have not done so yet, you must allow your device to install applications from unknown sources. To do this, go directly to the **settings** of your phone (or tablet), then select "**Applications**" or "**Security**" and finally check the box "**Allow installation of apps from unknown sources"**.



Then; it’s really simple:

- Download the apk file
- Go to your downloads and select the apk file
- Confirm the install by clicking on “Install”



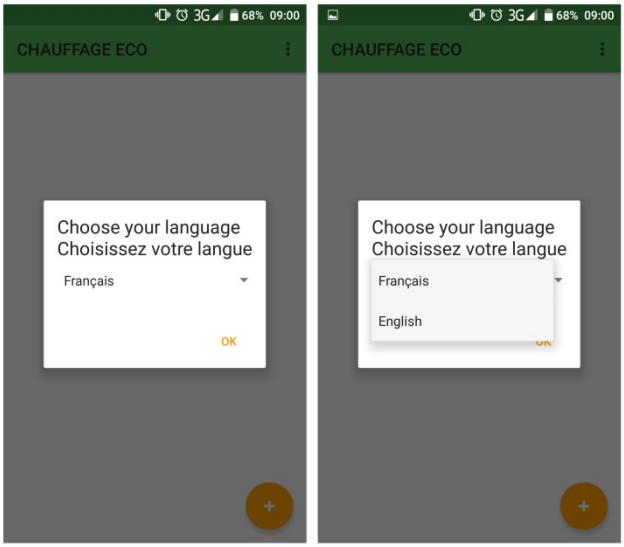
You will then find the application icon with the other icons present on your device and can use it normally.

Caution: When not using the application CHAUFFAGE ECO, avoid letting it run in the background (standby), as Android may shut down the application to free up memory.

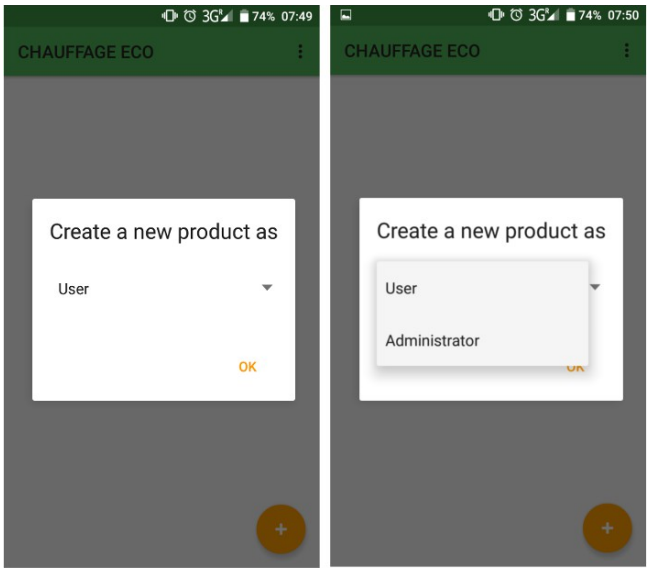
6-2 DESCRIPTION

Once the application is installed on your device you can proceed to the configuration.

When you open the application for the first time you had to choose your language : French or English.



Then you had to choose if you will the product as an administrator or user.



Configuration for the administrator:

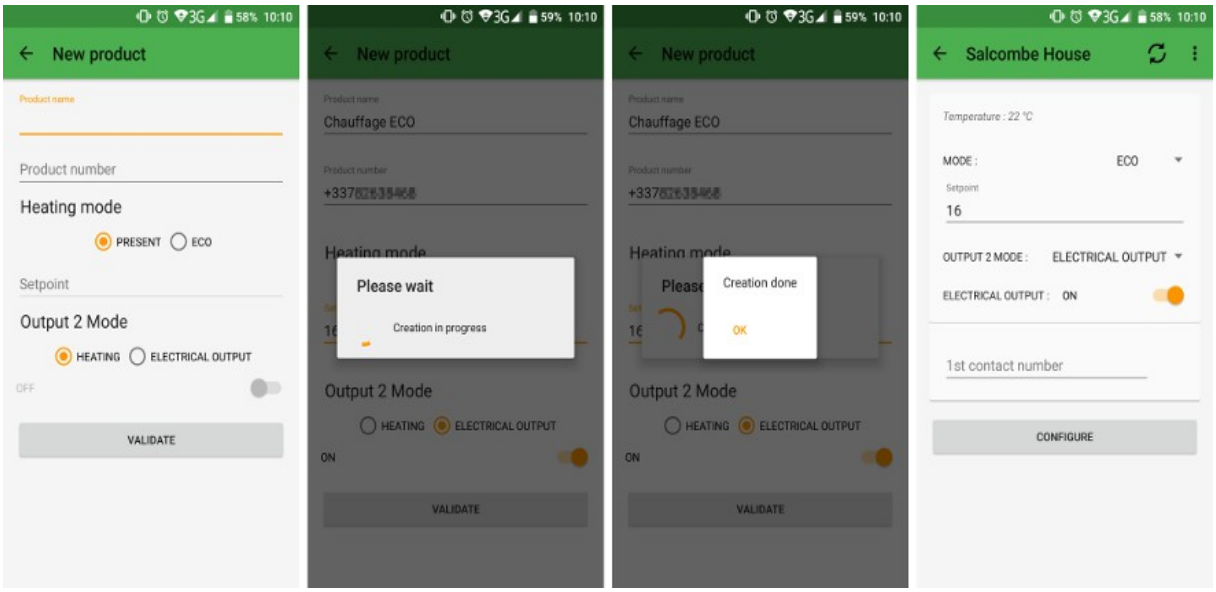
- Choose a product name (ex : Chauffage ECO)
- Enter the SIM card phone number you had inserted on the product (ex: 0612345678)
- Select the heating mode you want (Present or Eco)

- If you selected the ECO mode, you also had to enter a temperature setpoint (from 6°C to 20°C)
- Select the output 2 mode (second heating zone or electrical output ON/OFF)

Before validating the configuration you had to press the push button on the front face of the product within the 2 minutes after product the power on.

After pressing the push button you had again 2 minutes to validate the configuration on the application. If these 2 minutes are gone before you had finish the configuration, you had to power down and power on the product and restart the procedure.

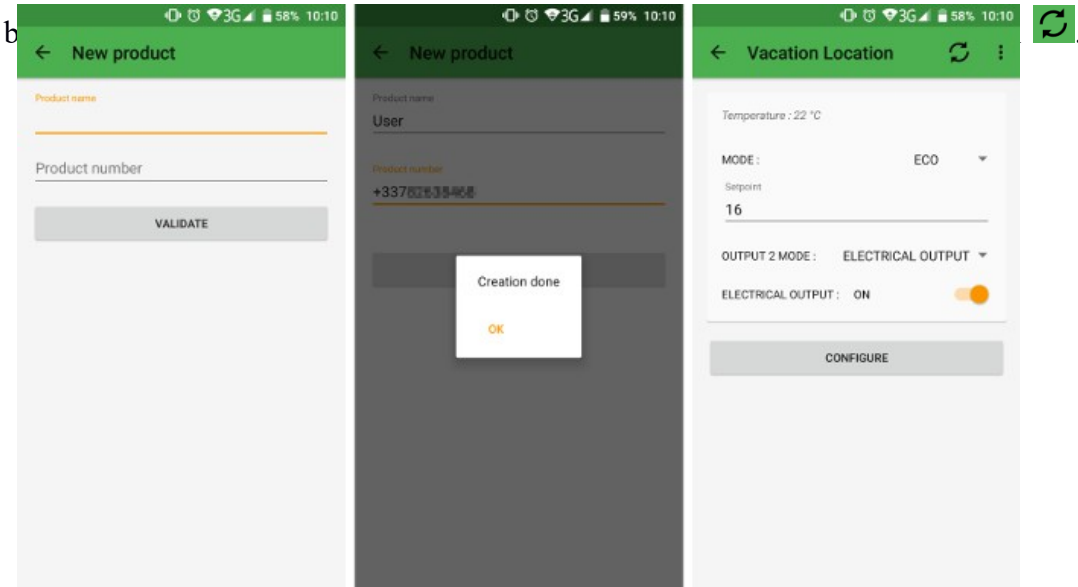
This procedure is to be done only once. Once it done you can modify all settings you want from a simple click : heating mode, temperature setpoint, output 2 mode, users.



Please be sure to update the product settings before making any changes with this icon . This action is for to be sure that all parameters you have are synced with the product.

<u>Configuration for the users:</u>

If you are a simple user, the procedure for configuring the application is easier, because you only have a product name to register and the product's SIM card number. It will also be necessary for the administrator to register you as a user via his application.

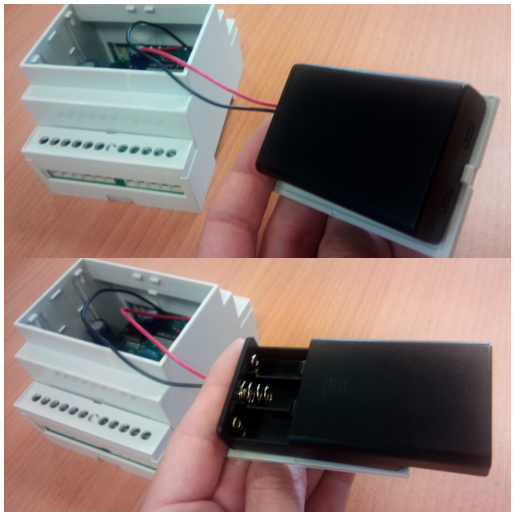
Please b  .

7 CHANGE BATTERIES

When the batteries are too low, you receive a warning message "Low Batteries".

To replace the batteries, turn off the product (⚠ pay attention to the risks of electric shocks) then open the front of the case.
The batteries used are 1.5 Volt alkaline batteries type LR03 or AAA.

⚠ ***Precautions must be taken:***
- Respect the polarities +/- when placing in the device
- Do not dispose of them (for the sake of the environment, you must bring the used batteries back to your nearest store)
- *Do not recharge them*



8 SPECIFICATIONS

- **Indoor usage only** (electrical panel installation by an authorized person)

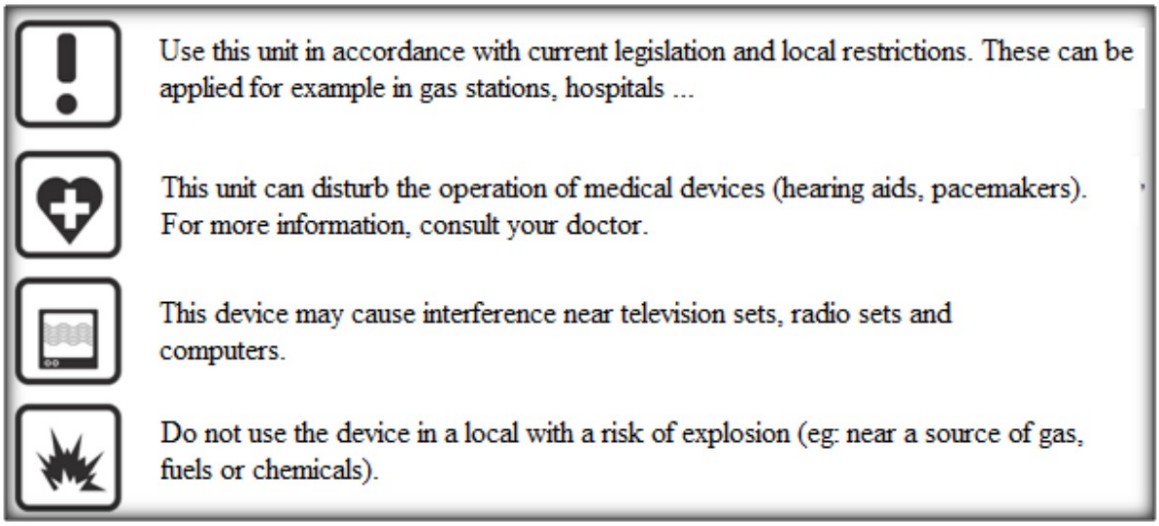
- **Power supply:** The product is supplied by an external 12V DC power supply **not included** Alimentation ALIMECO 12V from SILIS Electronique recommended) as well as 3 x 1.5V alkaline batteries type LR03 or AAA **supplied** (batteries required in case of power failure)

- **Power:** 0.5W

- **Dimensions :** 71 x 90 x 58 mm

- **Operating and storage temperature**: from +5°C to +40°C

- **IP Code:** IP20


Use this unit in accordance with current legislation and local restrictions. These can be applied for example in gas stations, hospitals ...
This unit can disturb the operation of medical devices (hearing aids, pacemakers). For more information, consult your doctor.
This device may cause interference near television sets, radio sets and computers.
Do not use the device in a local with a risk of explosion (eg: near a source of gas, fuels or chemicals).

9 WARRANTY

The warranty is valid for 2 years from the purchase date of the product.

IS NOT COVERED:

- Damage engaging the responsibility of a third party or resulting from an intentional act or fraudulent.
- Damage resulting from negligence, energy use, employment or installations not in accordance with the manufacturer's facilities.
- Damage resulting from oxidation.
- Errors connections or commissioning.
- Damage resulting from an industrial or commercial use.
- Damage resulting from external causes such as shock, falling, lightning, fire, storm, vandalism.
- Consequential material or immaterial damage to a failure (deterioration, disturbance ...).
- Replacing a presentation piece will not affect the performance.
- Replacement of consumables (batteries ...). Only the provisions of the manufacturer apply.
- Damage to accessories (Thermostat ...). Only the provisions of the manufacturer apply.
- Damage due to interventions by the customer himself or any other unauthorized person or the use of none approved by the manufacturer supplies.
- Damage resulting from a product installation in a room which is not entitled to receive normal electronic equipment, or failing that, the temperature is not between +5 and +40 ° C and humidity 15 and 85%.
- Damage due to the presence in the immediate environment of the product, reliefs, aqueous masses or any other item likely to cause magnetic interference on equipment.

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