USER´S MANUAL

aSmart

Ref. aS.2002

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INTRODUCTION

aSmart is a home management device designed to satisfy the most common home automation and control needs. According to its integration philosophy, both its menu and installation can be easily managed. The device offers a backlit touch screen provided with a convenient touch screen interface to make it easier to use. *aSmart* is a model whose features are very appreciated in the context of energy saving, as for instance the lighting and heating management and the possibility of monitoring the energy consumption and the number of hours the heating stays on.

FUNCTIONS

- Heating/Cooling management.
- Lighting control.
- Presence simulation.
- Intrusion alarm.
- Fire alarm.
- Power failure alarm.
- Visualization of energy consumption.
- Excess of consumption warning system.
- Alarm calls to three phone numbers.
- Dissuasive siren incorporated.
- Voice Mailbox.
- Answering machine.
- Hand-free telephone.
- Remote control and management of the system through the phone.

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DESCRIPTION OF THE FUNCTIONS

HEATING/COOLING MANAGEMENT

aSmart allows to manage 2 zones of a heating/cooling system. Two configurations are possible for this purpose:

- Configuration BC (Thermostat):
  You can set the desired temperature for your home and *aSmart* will be in charge of managing the heating.
- Configuration BB (On-Off):
  aSmart does not manage the house temperature, but switches the heating/cooling system on and off.

In both configurations you have three operating modes available: Manual, Automatic and OFF.

- In Manual mode the system will switch the heating on if the house temperature is lower than the set-point temperature (Configuration BC) or it will be always connected (Configuration BB).
- In Automatic mode the device works exactly the same way as on the on the Manual mode, but only during the cycles set by the user.
- In OFF mode the heating/cooling system becomes disconnected.

LIGHTING CONTROL

This function is intended to contribute to home energy consumption management. At the touch of a button on the screen you can make sure that you do not leave lights on when you leave home. In addition, once you come back home, *aSmart* will detect you and will automatically turn lights on.

PRESENCE SIMULATION

During long term absences from home you can program the lights to turn on and off simulating the presence in the house. Once you come back home,*aSmart* will detect you and will automatically turn lights on.

INTRUSION ALARM

aSmart can alert you about home intrusions, calling up to five times to the three phone numbers previously selected, until it receives an answer. It is possible to hear what is going on in the house or to talk with someone present in the house to check the alarms. The sensitivity level of the motion sensor can be adjusted.

FIRE ALARM

aSmart uses its temperature sensor to determine sudden temperature increase above 7ºC/minutes, the set value to trigger the fire alarm. At this moment aSmart will alert you about the incident calling up to the phone number previously set.

POWER FAILURE ALARM

In the event of power failure system will alert you. *aSmart* will detect the power outage and after 1 minute it will start the phone alerts. This function is usefull to avoid any loss or damage to frozen food during the your absence, for instance stopping frozen food from thawing.
You will be also informed of the reestablishment of power supply.

ENERGY CONSUMPTION DISPLAY

aSmart informs you of instantaneous home energy consumption in kW/h. Furthermore it shows the energy consumption accumulated for the last 7 days and the last 12 months. In both cases system can display the energy consumption in kW/h and the number of hours the heating stays on.

EXCESS OF CONSUMPTION WARNING SYSTEM

You can set up a limit of instantaneous energy consumption, *aSmart* will alert you when the energy usage exceeds this configured energy threshold. This function can be used to avoid the house main circuit breaker to go off.

VOICE MAILBOX

aSmart includes a Voice Mail recorder. It is possible to record up to a maximum of 9 voice messages, the maximum length of the recorded messages is 30 seconds/message time, these messages can be reproduced as many times as necessary. This feature allows you to record both local messages and those of the answering machine.

ANSWERING MACHINE

The Voice Mailbox is able to record messages coming from external telephone calls. This answering machine function is provided with a factory default pre-recorded voicemail message and you can also record your own greeting message. The user can select the outgoing message for incoming calls.

PHONE

aSmart is a hands-free telephone. You can make outgoing calls and receive incoming calls before the answering machine picks up.
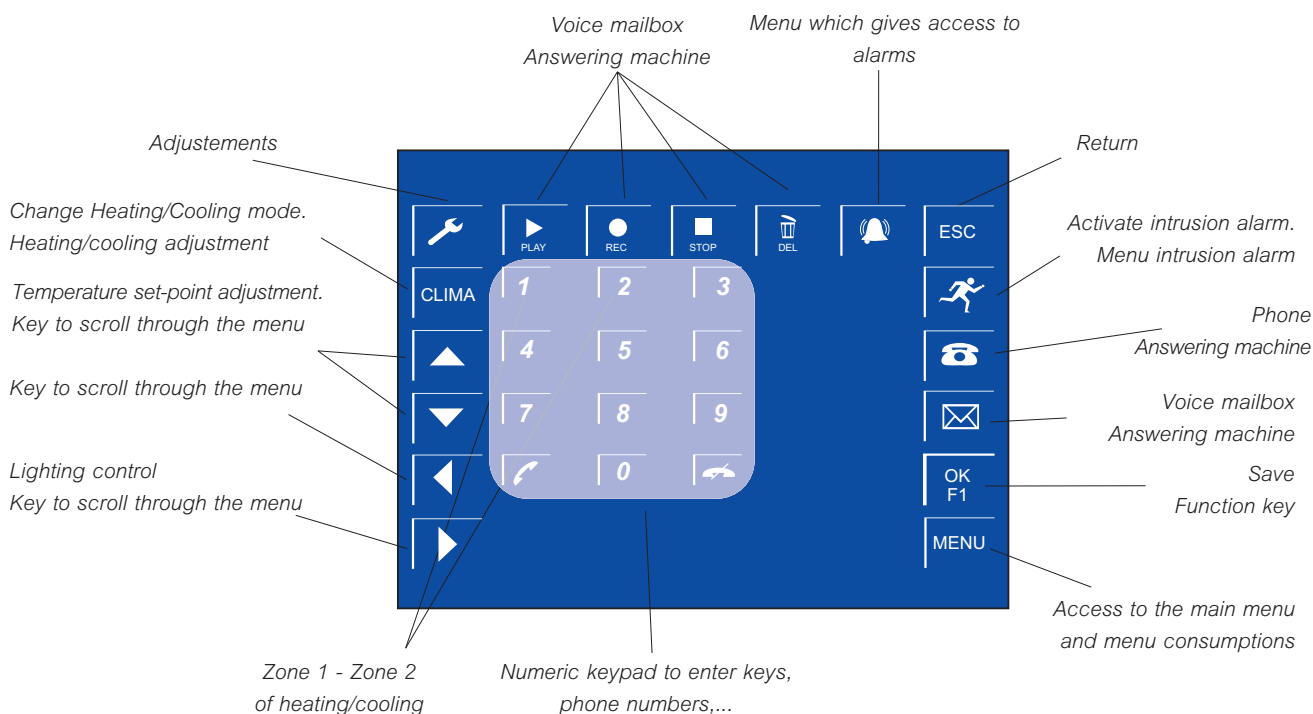
PHONE REMOTE CONTROL

aSmart functions can be remote controlled from any telephone line. Key-protected access, *aSmart* communicates with the user through a menu of of pre-recorded voices which will guide him through the main functions. The user interacts with system using the telephone keypad, which is able to generate multi-frequency DTMF tones which enable the engine to fulfill its interlocutor orders.

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DESCRIPTION OF THE SCREEN

aSmart´s screen includes buttons and icons. The buttons allow you to access to the system features, setting parameters, access to the menu and scroll through the different fields. The icons provide information about the parameters you are adjusting, as well as the functions activated.
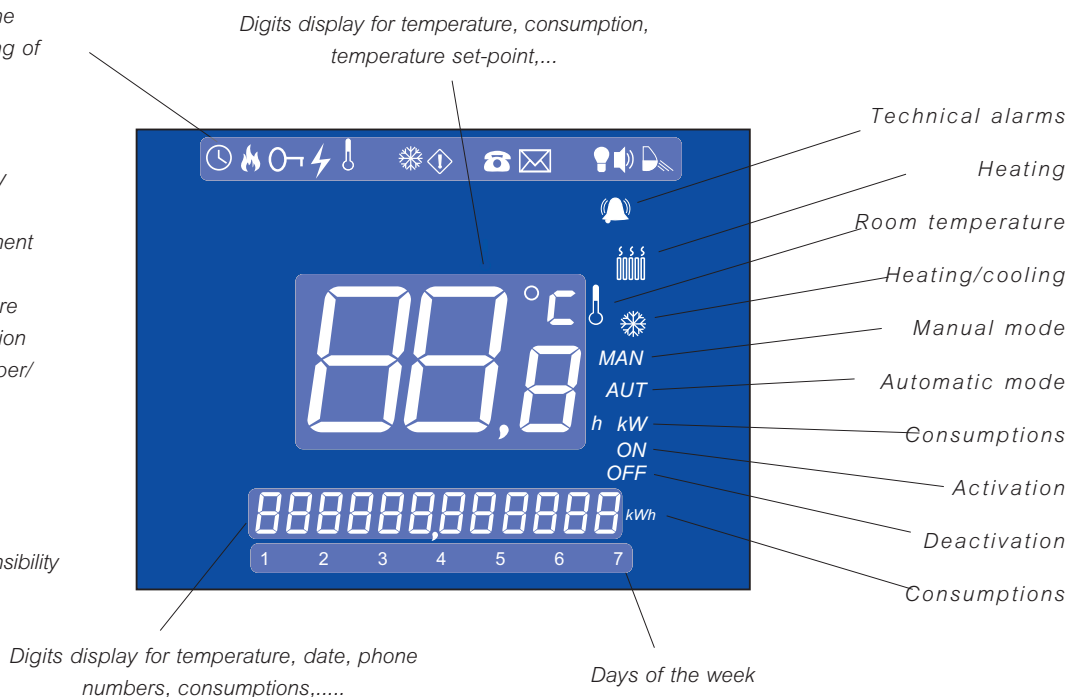
FUNCTION KEYS

Voice mailbox
Answering machine

Menu which gives access to alarms

Adjustements

Change Heating/Cooling mode.
Heating/cooling adjustment

Temperature set-point adjustment.
Key to scroll through the menu

Key to scroll through the menu

Lighting control
Key to scroll through the menu

Return

Activate intrusion alarm.
Menu intrusion alarm

Phone
Answering machine

Voice mailbox
Answering machine

Save
Function key

Access to the main menu
and menu consumptions

Zone 1 - Zone 2
of heating/cooling

Numeric keypad to enter keys,
phone numbers,...

DESCRIPTION OF THE ICONS

Information icons that will be displayed depending on the parameter you are adjusting of changing

🕘 Clock
🔥 Fire Alarm
⊶ Alarm activated / Key
⚡ Power Failure alarm
 Temperature adjustment
 Probe calibration
 Antifreeze-temperature
❄ Excess of Consumption
◈ Warning phone number/
☎ Answering machine
✉ Messages
 Lighthing
 Presence simulation
◀ Siren / nº of rings
 Backlight / sensor sensibility

Digits display for temperature, consumption, temperature set-point,...

Technical alarms

Heating

Room temperature

Heating/cooling

Manual mode

Automatic mode

Consumptions

Activation

Deactivation

Consumptions

Digits display for temperature, date, phone numbers, consumptions,.....

Days of the week

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HOME SCREEN VISUALIZATION

*aSmart´*s home screen displays the days of the week, the date and the current time, as well as the icons representing the functions activated and the shortcut keys to the main functions.

There are two possible display formats, you can easily change from one to another by tapping the centre of the screen.

1. HEATING/COOLING VISUALIZATION
On this screen is displayed the room temperature as well as the cooling/heating mode (Fig. 1).

Figure 1

2. CONSUMPTIONS VISUALIZATION
On this screen is displayed de instantaneous consumption (Fig. 2).

Figure 2

You can change from one display to another by tapping the centre of the screen.

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HOW TO ADJUST SCREEN BRIGHTNESS

aSmart´s home screen comprises a backlight system. aSmart will turn on automatically when the built-in motion sensor detects movements. If no motion if detected after 30 seconds screen will turn off. The operating mode of this feature can be modified so that aSmart will turn on only in case you tap the screen lightly on.

Tap the MENU key on the home screen
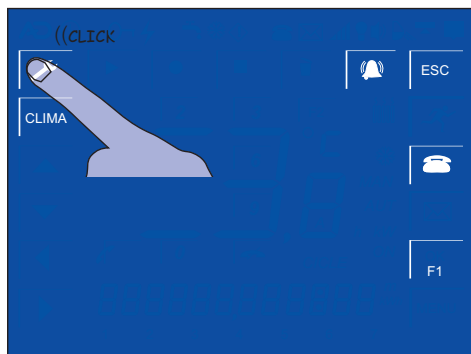
Tap the ▲ ▼ keys to select OFF

Tap the 🔧 key on the screen menu
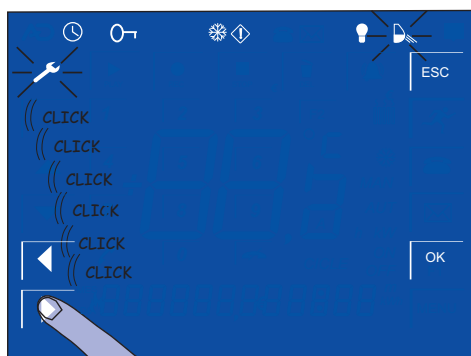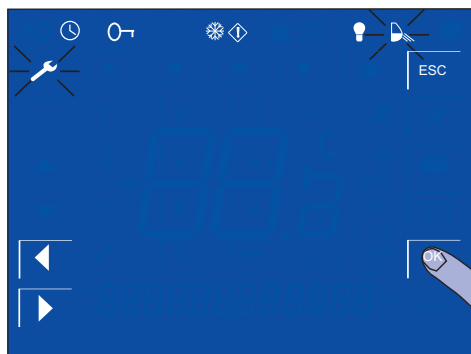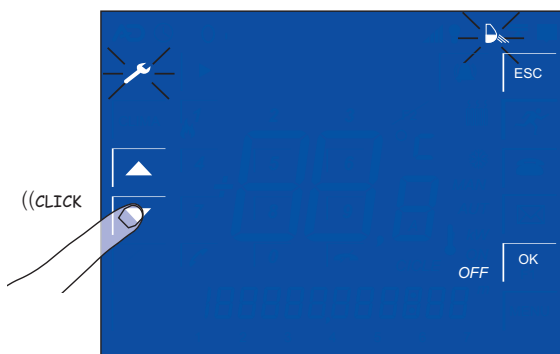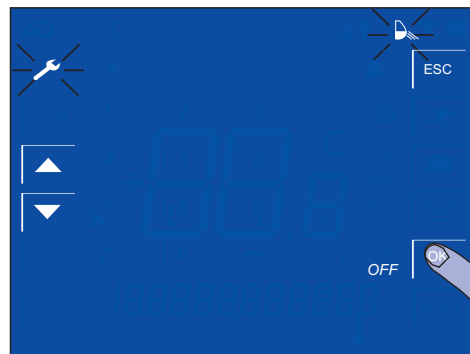
Tap the OK key to confirm and tap it lightly to switch on the screen

Tap the ▶ key up to reach the icon 🔅
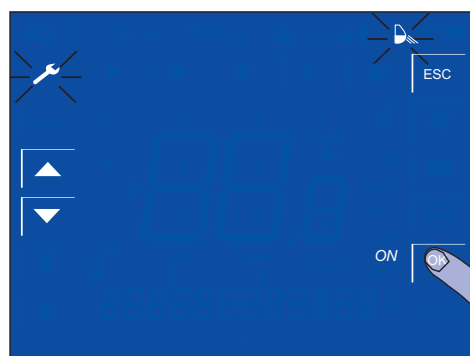
You can return to the backlight mode under motion detection by tapping the ▲ ▼ keys to select ON and then the OK key to confirm.

Tap the OK key to confirm

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❄🌡 HEATING/COOLING MANAGEMENT
SYSTEM SETTING

aSmart has two possible configurations to manage a heating/cooling system :

CONFIGURATION BC (Thermostat)

By setting this configuration user will control a heating system with temperature management. Systems functions as a thermostat.

It has three operating modes:

Manual (MAN), Automatic (AUT) and Switched OFF (OFF).

In Manual Mode the user selects a set-point temperature, and the system will remain switched ON as long as the temperature of the house does not exceed the set-point temperature. Later, the device will automatically reconnect as soon as the temperature falls below the set-point temperature.

In Automatic mode user selects up to 3 on-off cycles with the desired set-point temperature and in each of these cycles the device works exactly the same as on the manual model. An anti-freeze set point can be set. It forces the heating system to turn on when it detects an extremely cold temperature, below this set-point temperature, operating in automatic mode and being out of cycle.

CONFIGURATION BB (ON-OFF)

By setting this configuration user will control a heating/cooling system without temperature management. System works as a switch. It has the same operation modes availables Manual, Automatic and OFF. On the Manual mode, system will be continously operating, and on Automatic it will operate according to the cycles set by the user.

You can check the settings by going into the setting menu from the temperature visual display (Fig. 1) MENU , and then tap the F1 key.In the middle of the screen you will see "bC" in case of thermostat configuration or "bb" in case of ON-OFF configuration.

SETTING SEQUENCE

1.- Tap the ☎ key on the home screen. The screen phone will appear
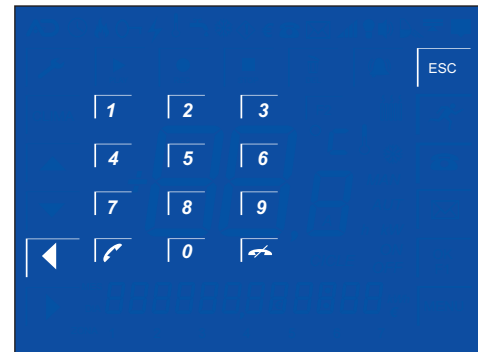
2.- Dial the code 02609010 as in case of a telephone number and then tap the 📞 key
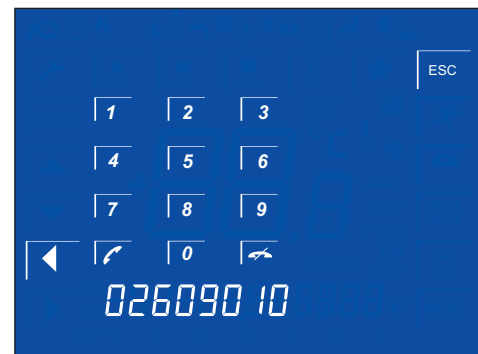
3.- The version screen will be displayed and you will see the previous configuration: bC (Thermostat) or bb (on/off).
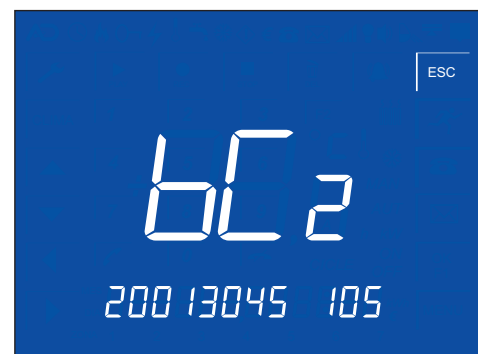
4.- You can change it later in the same way at any time.

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HEATING/COOLING MANAGEMENT
SELECT ZONE AND OPERATING MODE CLIMA

aSmart has three operating modes:

MANUAL
When *aSmart* is configured as a thermostat (BC), the heating system will turn on provided that the room temperature remains lower that the set-point temperature.
When *aSmart* is configured as ON-OFF (BB), heating/cooling will be continously operating.

AUTOMATIC
When *aSmart* is configured as a thermostat (BC), provided that the room temperature remains lower that the set-point temperature within the daily cycles set by the user.
When *aSmart* is configured as ON-OFF (BB), heating/cooling will be continously operating within the daily cycles set by the user.

SWITCHED OFF
When the heating/cooling is switched off no symbol will be displayed on the screen.

Under BC (Thermostat) configuration and the heating is on, the symbol will be displayed on the screen.
Under BB (ON-OFF) configuration and the heating/cooling is on, the symbol will be displayed on the screen.

Switched mode
(nothing appears on the display)

This model makes it possible to manage two heating/cooling zones: depending the zone being viewed one zone or another will blink.
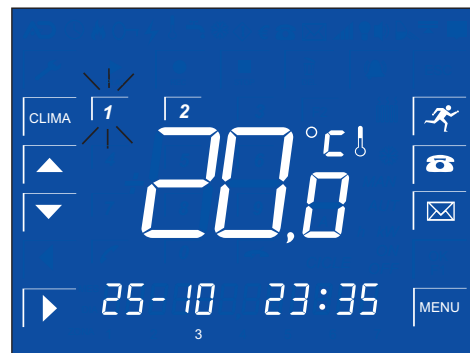
Manage one zone or another by just tapping on zone 1 o la zone 2

Manual mode

Automatic mode

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HEATING/COOLING MANAGEMENT
IN MANUAL MODE *MAN*. HOW TO ADJUST THE TEMPERATURE SET-POINT ▲ ▼

When *aSmart* is configured as a thermostat (BC), in Manual mode (*MAN*) it operate according to the temperature set-point selected by the user. Under ON-OFF (BB) mode, there is not temperature set-point.
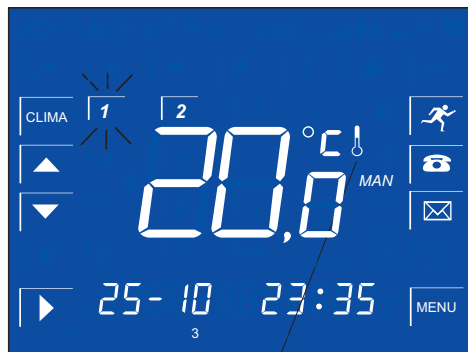
Home screen. Room temperature
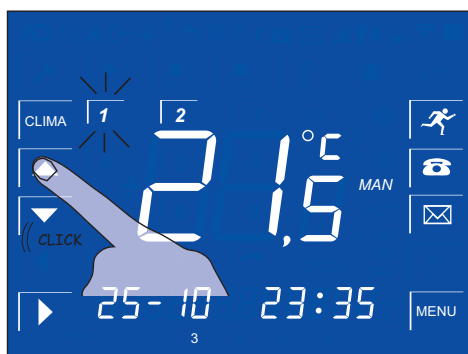
Tap the ▲ key to increase the temperature set-point

Tap the ▼ key to decrease the temperature set-point
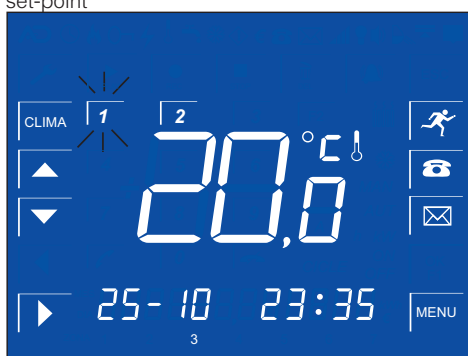
After 5 seconds without changing the temperature set-point the systeme will automatically display the room temperature.

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HEATING/COOLING MANAGEMENT
AUTOMATIC MODE *AUT.* HOW TO ADJUST THE HEATING/COOLING SYSTEM MENU CLIMA

If you want your *aSmart* system to operate in Automatic mode previously you should select the on-off cycles. Under Thermostat (BC) configuration yous should also set the desired temperature (set-point temperature)
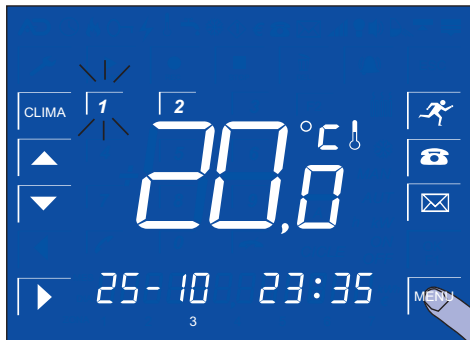
On the home screen tap the MENU key
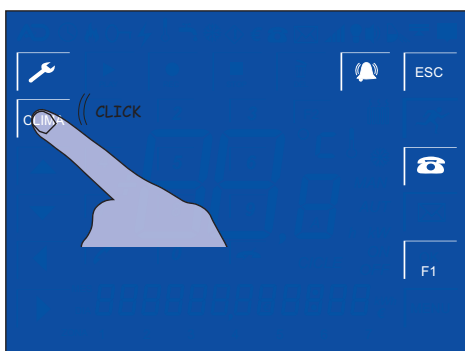
On the menu display tap the CLIMA key
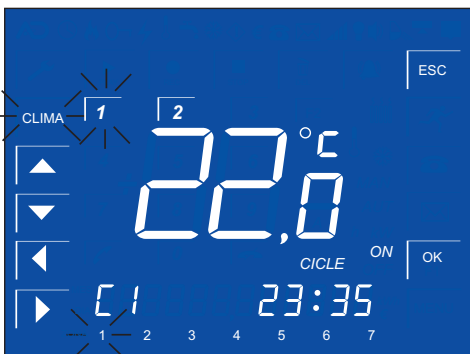
The different parameters to be adjusted will be displayed on this setting screen:

Day of the week (1-7)

Time-slot: aSmart can program up to 3 different cycles for every day of the week (C1, C2, C3) in which we should adjust:

-The desired temperature in each cycle (0ºC a 40ºC)

- Hour and minute of the cycle start up (*CYCLE ON*)

- Hour and minute of the cycle ending (*CYCLE OFF*).

The parameter to be adjusted will start blinking.

When a parameter starts blinking this means that it can be changed. Use the ▲ ▼ key to do so, and the ◄ ► keys to go on to the next field.
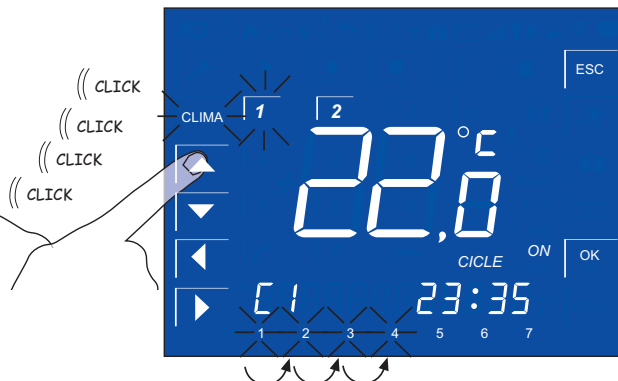
Tap the ▲ key to select the day of the week you want to program
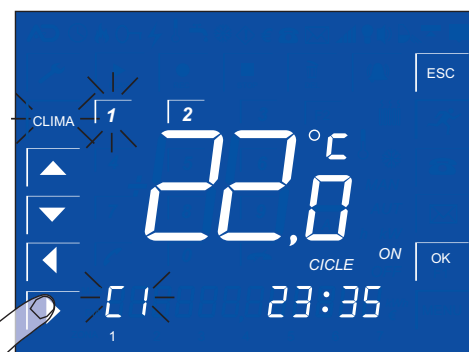
Tap the ► key once to advance to the next field number of cycle C1
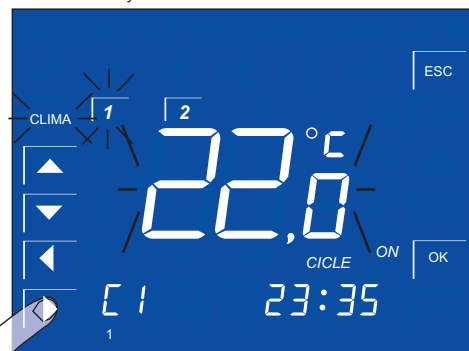
Tap again the ► key to go to the temperature set-point adjustment screen

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HEATING/COOLING MANAGEMENT
AUTOMATIC MODE *AUT*. HOW TO ADJUST THE HEATING/COOLING SYSTEM `MENU` `CLIMA`
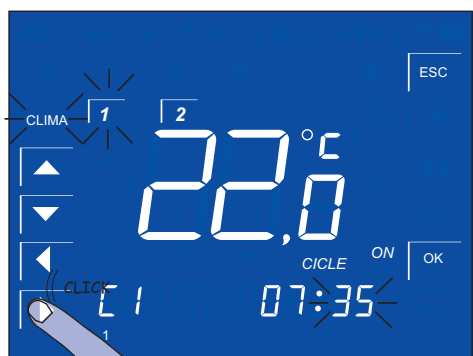
Tap the ▶ key and set the switch-on hour and minute

Tap the ▶ key and set the temperature of the next cycle C2
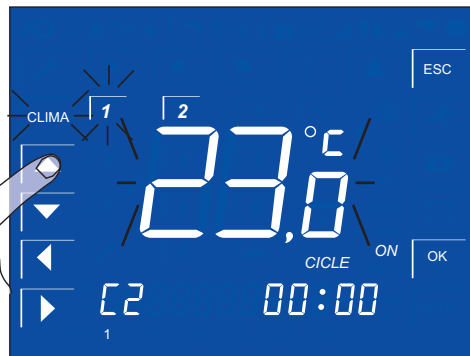
Use the ▲ key to increase the temperature set-point of the next cycle C2 by one degree

Tap the ▶ key and set the switch-off hour and minute
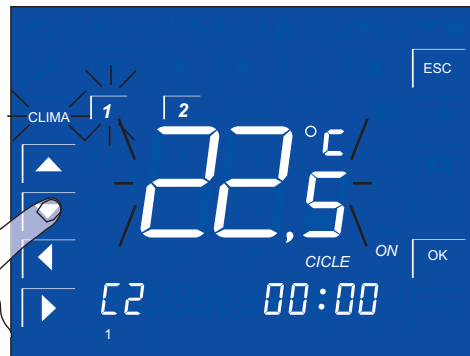
Use the ▲ key to decrease the temperature set-point on the next cycle C2 by half-a-degree

You can program up to 3 different cycles for every day of the week, each of them with the desired set-point temperature.

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HEATING/COOLING MANAGEMENT
HOW TO ADJUST THE ROOM THERMOMETER

aSmart includes a room thermometer to fulfill the thermostat function and displays this temperature in its home screen. Nevertheless,sometimes we can observe that the measurement made is not correct. It can be due to many external causes, as for instance drafts, wall heating pipes behind the system.... In any case, *aSmart* is equipped with the feature of the room thermometer adjustment.
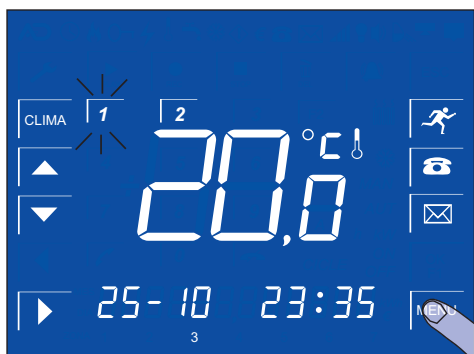
On the home screen tap the MENU key
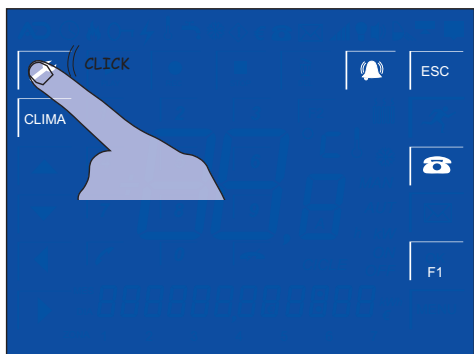
On the menu screen tap the 🔧 key
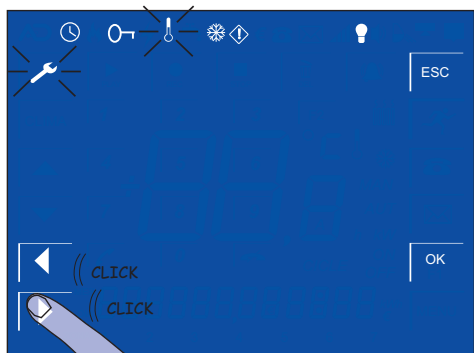
Use the ◀ ▶ keys to advance up to 🌡 icon
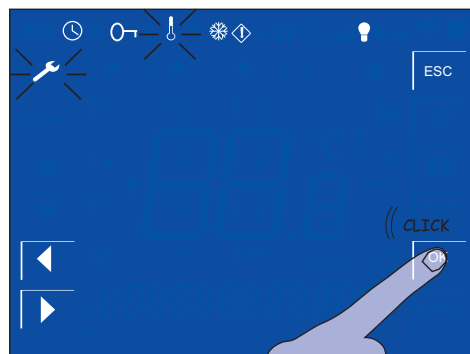
Tap the OK key

You go into the room thermometer adjustment screen.
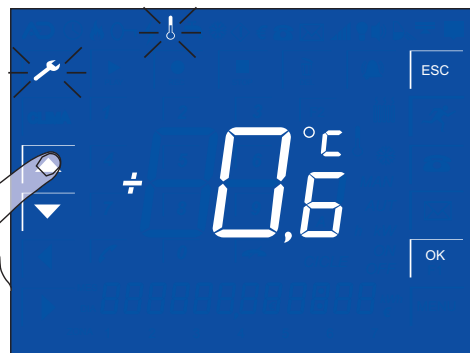
Use the ▲ ▼ key to adjust up to match the room temperature and real temperature

Tap the OK key to save the adjustment

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HEATING/COOLING MANAGEMENT
HOW TO ADJUST THE ANTIFREEZE SET-POINT TEMPERATURE ❄

aSmart includes an antifreeze feature. This feature is only available when the system has been configured as a Thermostat (BC). The reason for this is to prevent the house temperature from dropping below the antifreeze set-point temperature when the heating system is in automatic mode.By this means you are able to prevent the pipes from freezing, and this could cause significant damage to the house. You can also use this function to prevent the house temperature from decreasing excessively when this is not within a heating cycle, for instance overnight.

On the home screen tap the MENU key
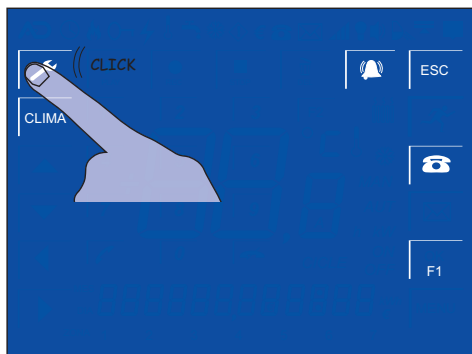
On the menu screen tap the 🔧 key
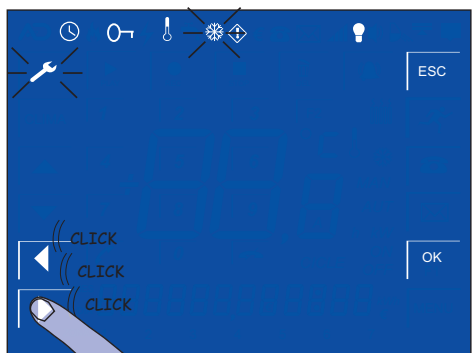
Use the ◀ ▶ keys to advance up to the ❄ icon
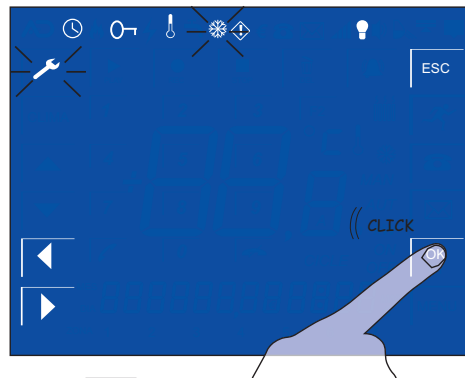
Tap the OK key
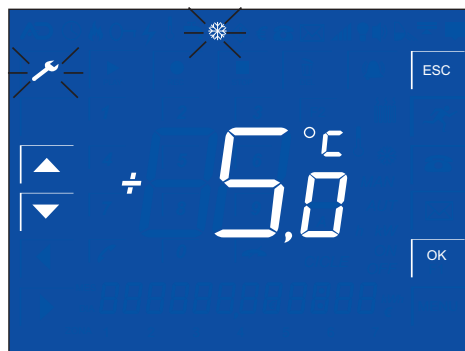
You go into the antifreeze temperature adjustment screen
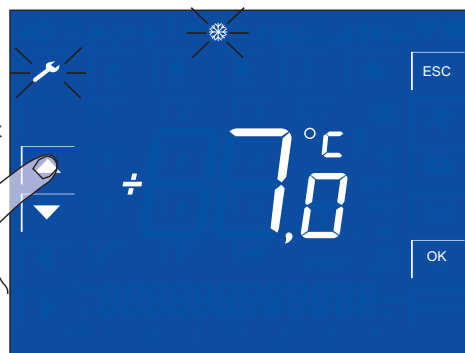
Use the ▲ ▼ keys to adjust up to set the desired set-point

Tap the OK key to save the adjustment

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LIGHTING CONTROL
SELECT THE OPERATING MODE ▶

aSmart has three operating mode for lighting:

SWITCHED ON
Under this configuration the house lights will be switched on in the usual way.
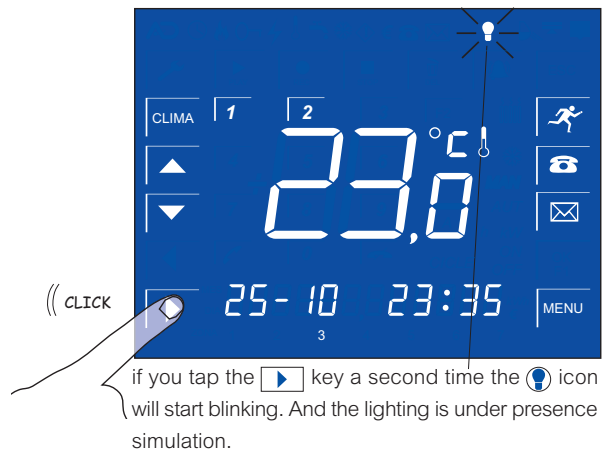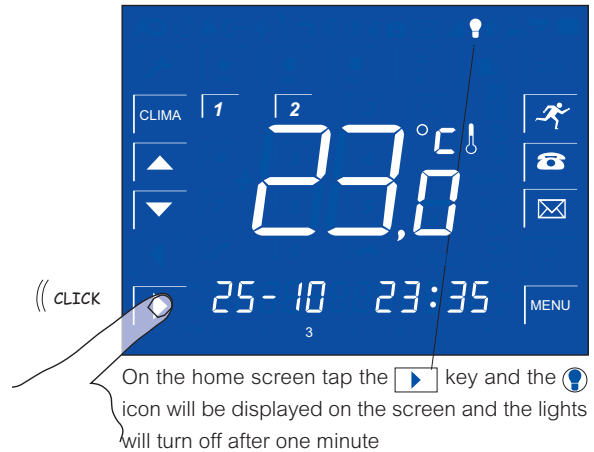
AUTOMATIC (PRESENCE SIMULATION)
When *aSmart* is under this configuration, lighting will operate according to the hourly cycles scheduled by the user. In this way, if he leaves home for a few days (for instance vacations), it allows a *aSmart* to simulate the presence in the house, to prevent burglaries and thefts.
When you select this operating mode *aSmart* gives you 1 minute to leave the house. From that moment on, a soon as *aSmart* detects you, the operating mode will change to switched on, and the lights will automaticalley turn on.
And the 💡 blinking icon will be displayed on the screen.

SWITCHED OFF
Under this operating mode, the home lighting is switched off. *aSmart* gives you 1 minute to leave the house.From that moment on, a soon as *aSmart* detects you, the operating mode will change to switched on, and the lights will automaticalley turn on.
And the 💡 fixed icon will be displayed on the screen.

))) CLICK

On the home screen tap the [▶] key and the 💡 icon will be displayed on the screen and the lights will turn off after one minute

))) CLICK

if you tap the [▶] key a second time the 💡 icon will start blinking. And the lighting is under presence simulation.

))) CLICK

if you tap the [▶] again, the 💡 icon will disappear and the lights will automatically turn on.

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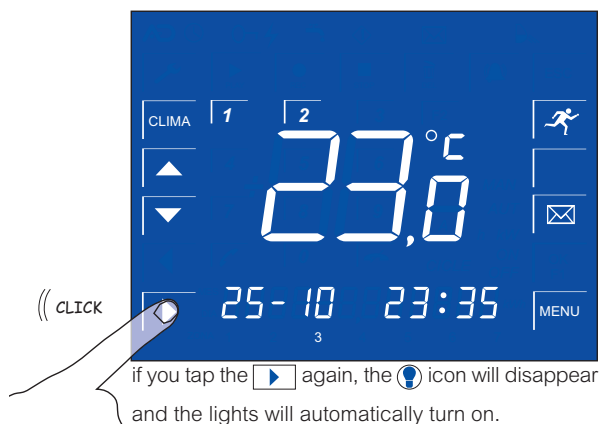
LIGHTING CONTROL
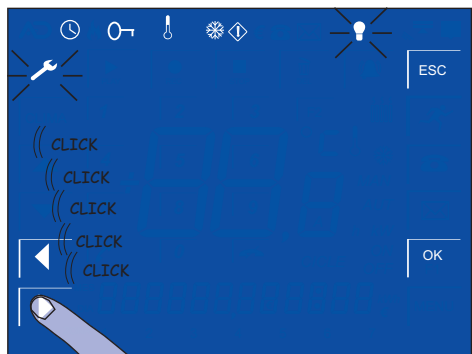HOW TO ADJUST THE PRESENCE SIMULATION

If you want your *aSmart* system to operate in Automatic mode, previously you should select the on-off cycles.
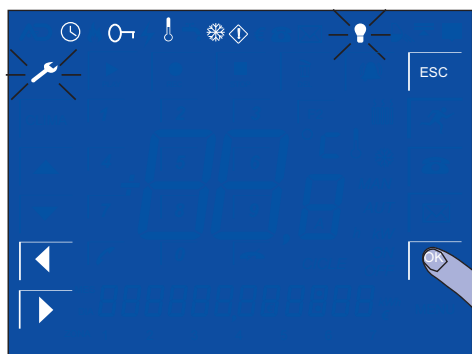

CLICK

On the home screen tap the MENU key

CLICK
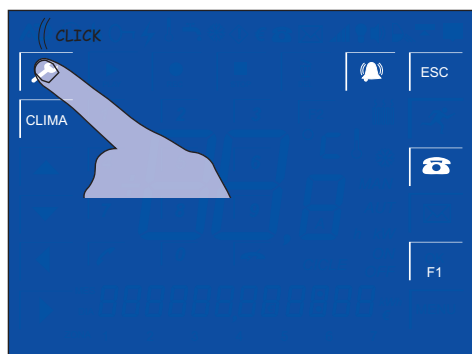
On the menu dipsly tap the 🔧 key

CLICK
CLICK
CLICK
CLICK
CLICK

Tap the ▶ key up to the lighting 💡 icon

CLICK

CLICK

Tap the OK key to go into the lighting setting menu

The different parameters to be adjusted will be displayed on this setting sceen:

Day of the week (1-7).
Number of the cycle for every day of the week (C1, C2, C3)
Hour and minute of the cycle start up (CYCLE ON)
Hour and minute of the cycle ending (CYCLE OFF)

The parameter to be adjusted will start blinking

ESC

CICLE ON OK

C1 23:35

1 2 3 4 5 6 7

CLICK
CLICK
CLICK

ESC

CICLE ON OK

C1 23:35

1 2 3 4 5 6 7
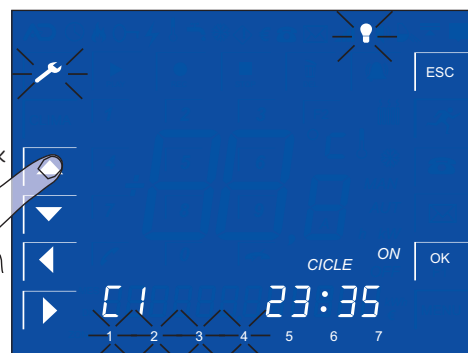
The day is the first parameter to be configured. Use the ▲ ▼ keys to select the day

CLICK

ESC

CICLE ON OK

C1 23:35

1

Tap the ▶ to advance to the next field, number the cycle C1

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LIGHTING CONTRO
HOW TO ADJUST THE PRESENCE SIMULATION

CICLE ON OK
C1 07:35

CICLE ON OK
C1 07:35

Tap the ▶ leu amd set the lighting switch-on hour and minute

CICLE OFF OK
C1 08:30

CICLE OFF OK
C1 08:30

Tap the ▶ key and set the lighting switch-on hour and minute

When a parameter stats blinking this means that it can be changed. Use the ▲ ▼ key to do so, and the ◀ ▶ keys to go on tho the next field.

CICLE ON OK
C2 00:00
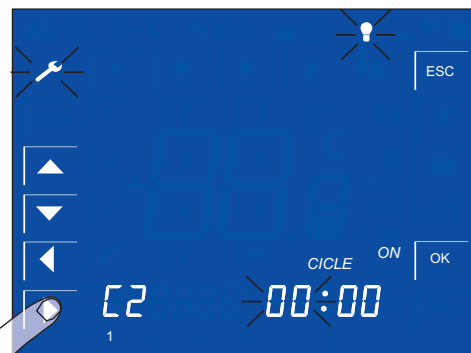
Tap the ▶ key to set a second cycle of automatic lighting switch-on.

CICLE ON OK
C2 03:00
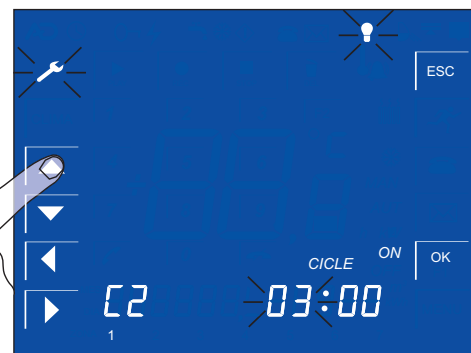
Tap the ▲ key to set the second cycle start-up time and all other parameters.

CLIMA
CICLE ON OK
C2 03:00

Tap the OK key and to save lighting settings.

You can program up to 3 different cycles for every day of the week.

ALARMS
HOW TO INTRODUCE WARNING PHONE NUMBERS ☎

aSmart includes sensors to detect three types of alarms:

- Intrusion.
- Fire.
- Power alarm.

Each alarm will be connected separately, but in case of an alarm all they trigger phone calls to the 3 phone numbers previously selected by the user In accordance with law *aSmart* only can be connected to personal phone number, never to emergency phone numbers.

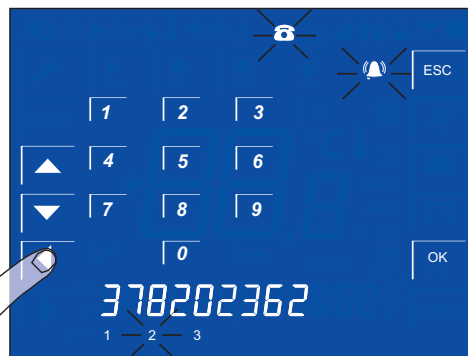On the home screen tap the MENU key

On the menu display tap the 🔔 key

Use the ◀ ▶ keys to be positionned in the ☎ icon and tap the OK key

On the home screen tap ▲ to select the 1º, 2º or 3º warning phone number
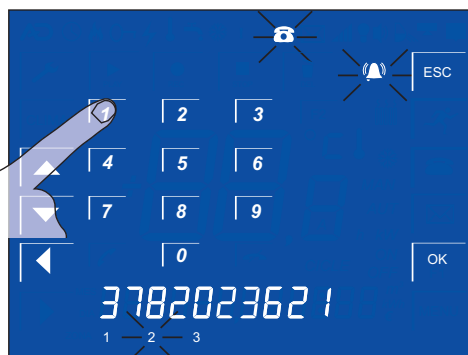
Enter the number you want aSmart to call in case of any incidence

If you were wrong you can go back by tapping ◀
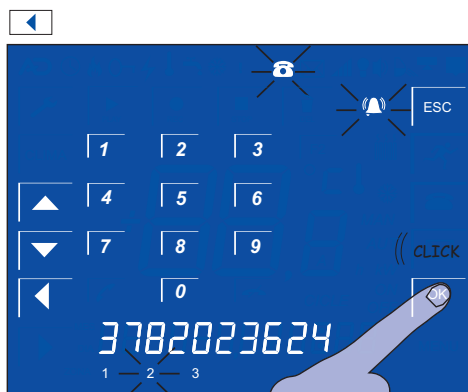
Tap the OK key to save the parameter set

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INTRUSION ALARM
HOW TO ADJUST THE TIMEOUT

aSmart intrusion alarm has got a configurable time from the moment he is detected to allow the user to enter the pass code.
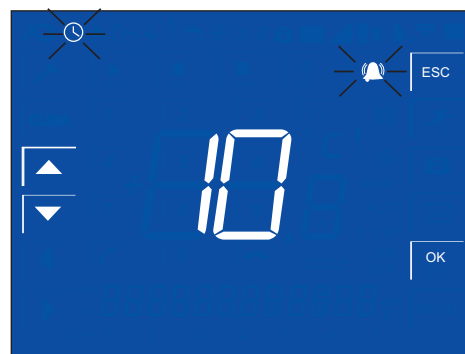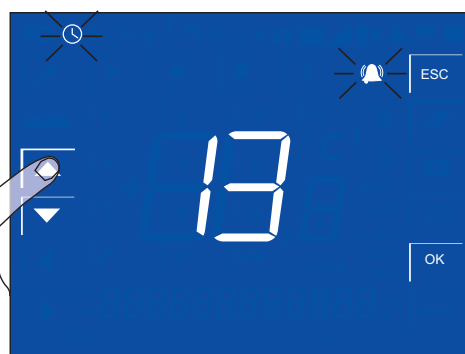It can be set between 1 and 99 seconds.

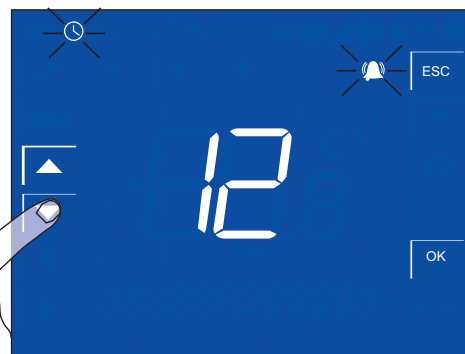On the home screen tap the MENU key
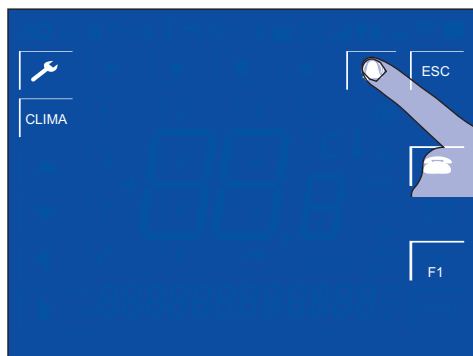
On the menu display tap the 🔔 key
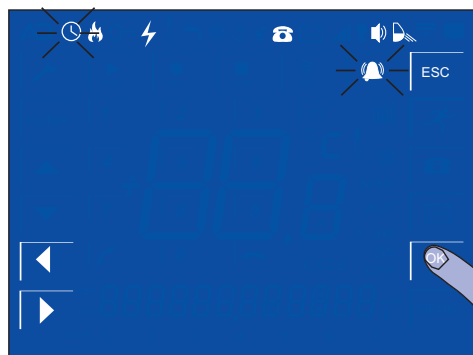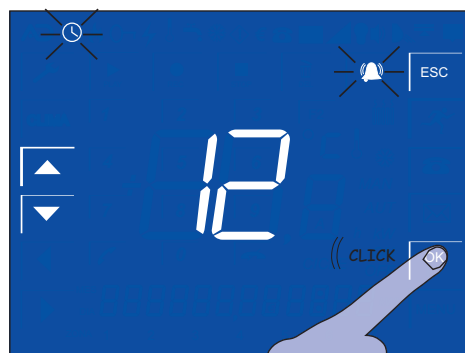
Use the ◀ ▶ keys to be positionned in the ⏱ and tap the OK key

The factory default setting is 10 seconds

Tap the ▲ to increase the timeout seconds
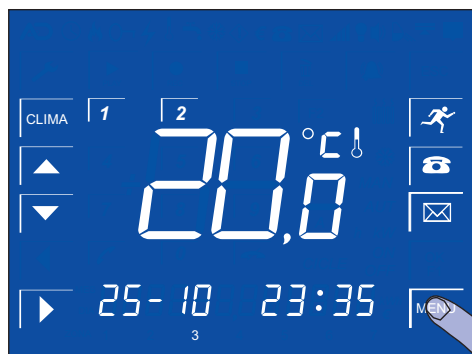
Tap the ▼ key to decrease the timeout seconds
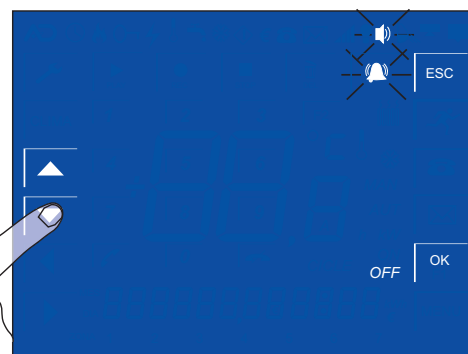
Tap the OK key to save the selected value

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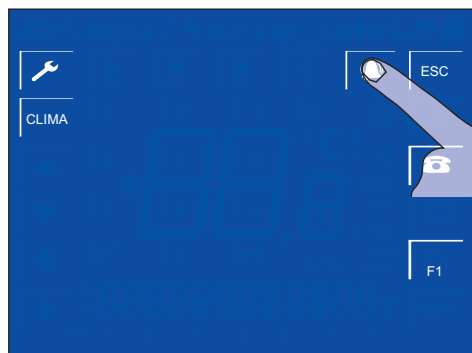## INTRUSION ALARM

HOW TO ADJUST THE INTERNAL ALARM 🔊

aSmart intrusion alarm includes an internal siren. This siren can be activated and deactivated by the user.

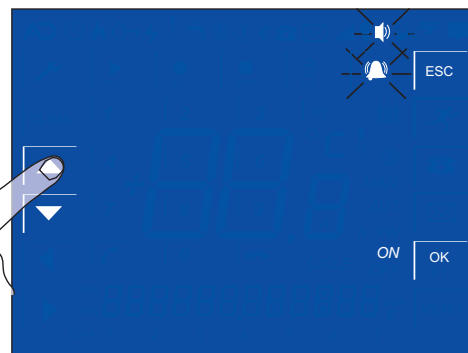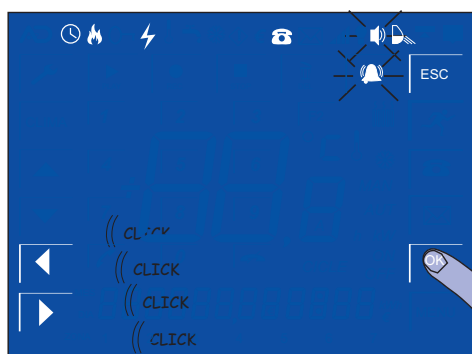On the home screen tap the MENU key

Tap the ▼ key to deactivate the siren *(OFF)*

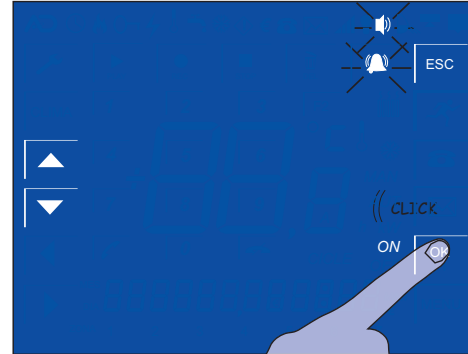On the menu display tap the 🔔 key

Tap the ▲ key to activate the siren *(ON)*

Use the ◀ ▶ keys to positionned in the 🔊 icon and tap the OK key

Tap the OK key to save the selected value

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INTRUSION ALARM
HOW TO ADJUST THE SENSOR SENSITIVITY

aSmart intrusion alarm has got a configurable time from the moment he is detected to allow the user to enter the pass code.
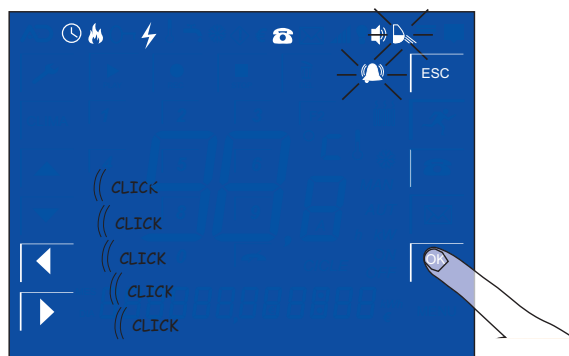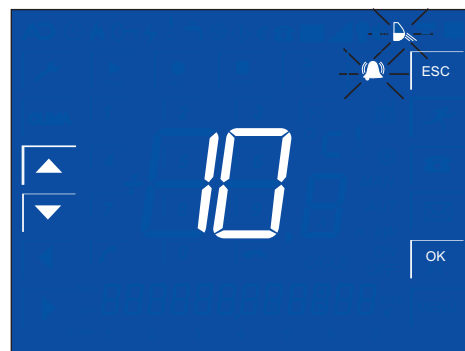It can be set between 1 and 99 seconds.

CLICK

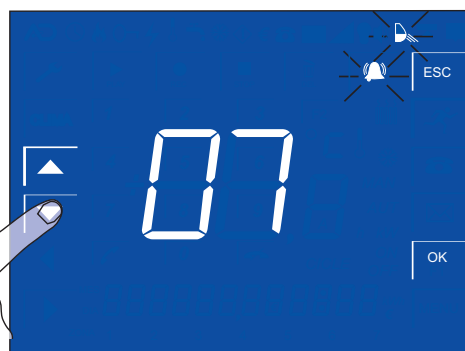On the main screen tap the MENU key

CLICK

CLICK

On the menu display tap the 🔔 key

CLICK
CLICK
CLICK
CLICK
CLICK

CLICK
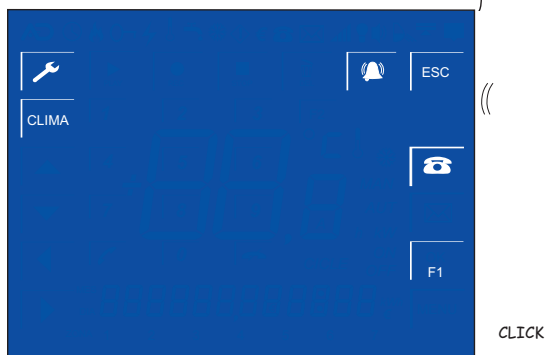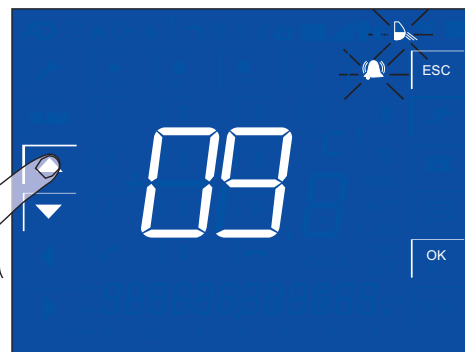
Use the ◄ ► keys to be positionned in the 🔵 icon and tap the OK key

The factory default sensibility is 10 the maximum

CLICK
CLICK
CLICK

Tap the ▼ key to decrease the sensibility

CLICK
CLICK

Tap the ▲ key to increase the sensibility

CLICK

Tap the OK key to save the selected value

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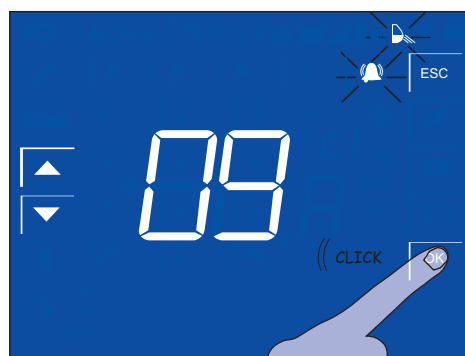
INTRUSION ALARM
ALARM ACTIVATION

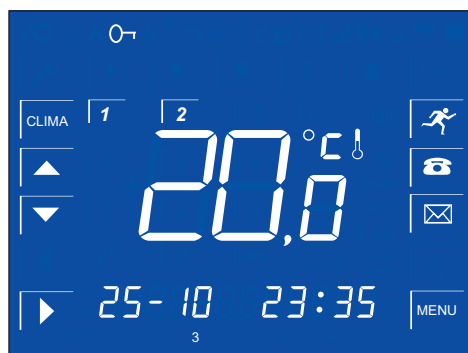*aSmart* intrusion alam includes an internal siren. This siren can be activated and deactivated by the user.

Tap the intrusion [🏃] key.
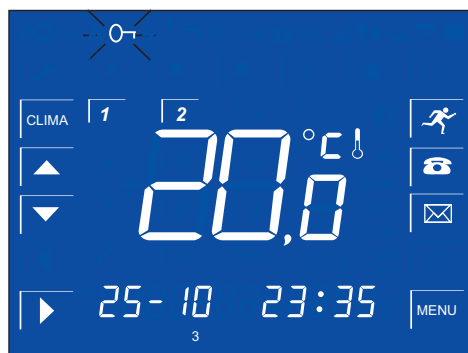
While the alarm is switching on, the 🔒 icon will be blinking and you will hear a beep sound.

When the 🔒 icon will stay fixed on LCD and the alarm will be on and wathichg. The alarm will not be activated until aSmart sensor or additional detects any motion.

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INTRUSION ALARM
ALARM DEACTIVATION

When you come back home *aSmart* will detect you and if the alarm is switched on, you will receive a voice message "Enter passcode", then it will appear the display to enter this passcode. The display will show a countdown indicating you the time available to enter this code. This is the timeout set by the user.

aSmart factory default passcode is "0000".
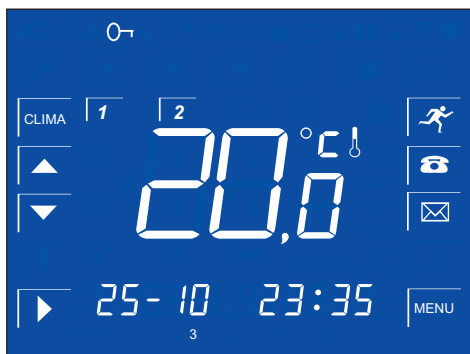
aSmart home screen with the alarme active
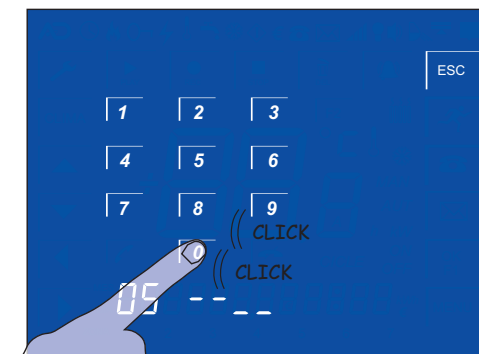
Enter the key befor the time runs out
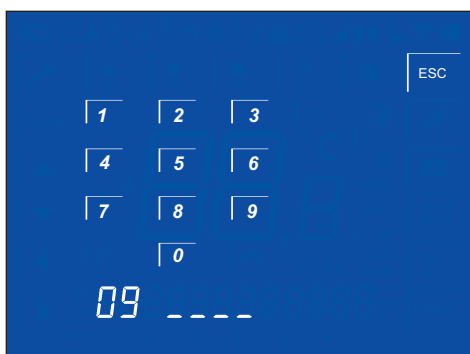
aSmart has detected and you will receive a message **"Enter passcode"**. At the bottom of the screen you it will displayed the time left to enter the pass code. In the above example 9 seconds.

When the passcode is correctly entered system will automatically return to its normal operation.

aSmart home screen with the alarm deactivated

INTRUSION ALARM
WHEN AN INTRUSION IS DETECTED

When an intrusion alarm is detected *aSmart* will alert the user firstly in local mode, sending a voice message "Enter passcode" and then it will display the screen suitable for entering this passcode. Then you should proceed as described for the alarm deactivation. When the passcode is correctly entere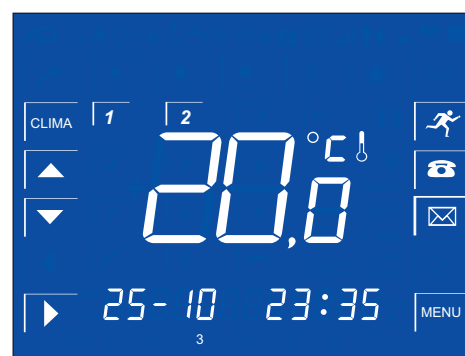d, *aSmart* will disconnect the intrusion alarm. But if it is no the case, it will start calling up to the warning phone numbers set by the user. These phone numbers are common to all the alarms warnings.
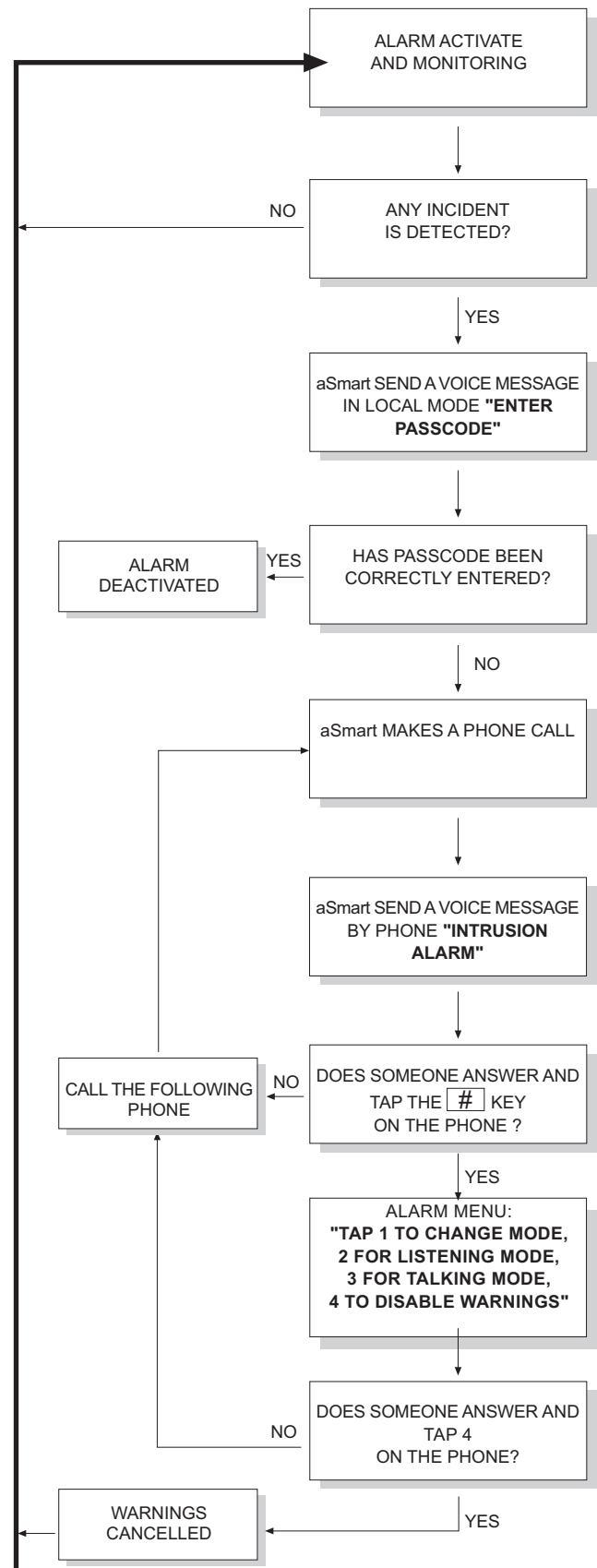
aSmart WARNS YOU OF THE INCIDENT BY PHONE
When an incident is detected, if no one is at home, *aSmart* will start calling up to the warning phone numbers previously recorded by the user.

When you receive a call from your *aSmart system*, you should proceed as follows:

- Firstly you will be informed several times of the incident by a voice message "Intrusion alarm".

- Tap the following key #️ on your phone.

- You will obtain the Alarms Menu. Where there are 5 options available:
  1 Change mode.
  2 Listening mode.
  3 Talking mode.
  4 Disable warnings.
     Exit

- Dial 1 on your phone to deactivate the alarm.

- Dial 2 on your phone to hear what is happening at your house.

- Dial 3 on your phone to talk talk with someone present in the house.

- If you dial 4 on your phone, system will answer "thank you, goodbye" and the call finishes. This means that you are aware of the incident, *aSmart* stops all pending calls and will go on monitoring new incidents.

- If you tap the following key ✳️ or the connection is interrupted, *aSmart* will keep trying to inform on the incident to the following number recorded.

ALARM CYCLE

Flowchart:

ALARM ACTIVATE AND MONITORING
↓
ANY INCIDENT IS DETECTED? — NO →
YES ↓
aSmart SEND A VOICE MESSAGE IN LOCAL MODE **"ENTER PASSCODE"**
↓
HAS PASSCODE BEEN CORRECTLY ENTERED? — YES → ALARM DEACTIVATED
NO ↓
aSmart MAKES A PHONE CALL
↓
aSmart SEND A VOICE MESSAGE BY PHONE **"INTRUSION ALARM"**
↓
DOES SOMEONE ANSWER AND TAP THE # KEY ON THE PHONE ? — NO → CALL THE FOLLOWING PHONE
YES ↓
ALARM MENU: **"TAP 1 TO CHANGE MODE, 2 FOR LISTENING MODE, 3 FOR TALKING MODE, 4 TO DISABLE WARNINGS"**
↓
DOES SOMEONE ANSWER AND TAP 4 ON THE PHONE? — NO → (back to CALL THE FOLLOWING PHONE)
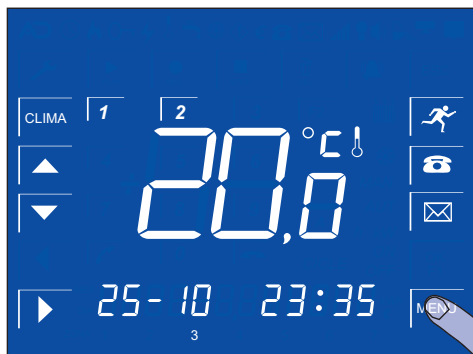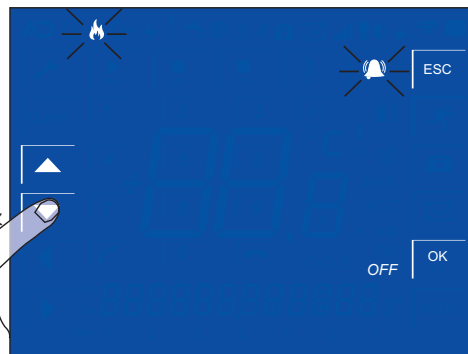YES ↓
WARNINGS CANCELLED

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TECHNICAL ALARMS
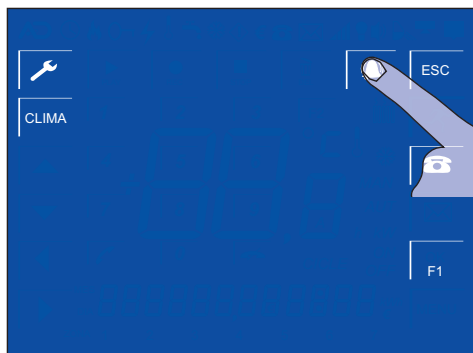ACTIVATE OR DEACTIVATE THE FIRE ALARM

aSmart includes sensor for fire detection purposes. This feature can be activated and deactivated from the warning menu.
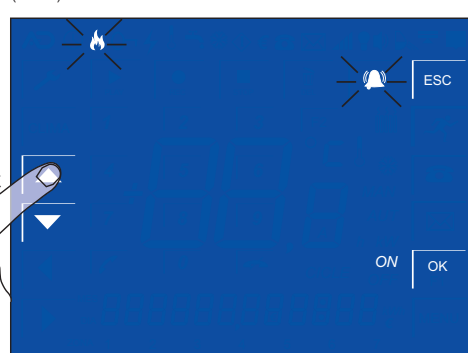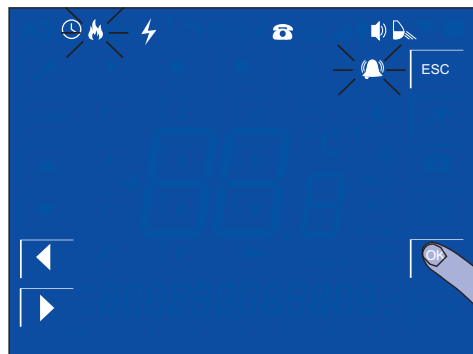
On the home screen tap the MENU key

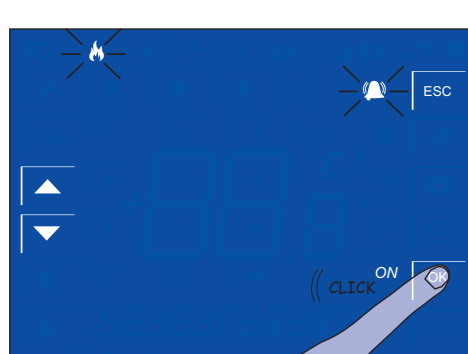Use the ▲ ▼ keys to deactivate the fire alarm (*OFF*)

On the menu display tap the 🔔 key

Use the ▲ ▼ keys to activate the fire alarm(*ON*)

Use tge ◀ ▶ keys to be positionned in the 🔥 icon and tap the OK key

Use the OK key to confirm the selected option (*ON*)

Home screen with the fire alarm activated
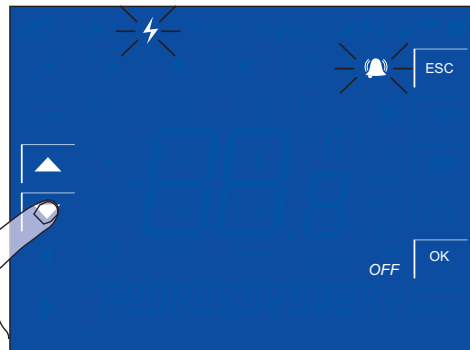
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TECHNICAL ALARMS
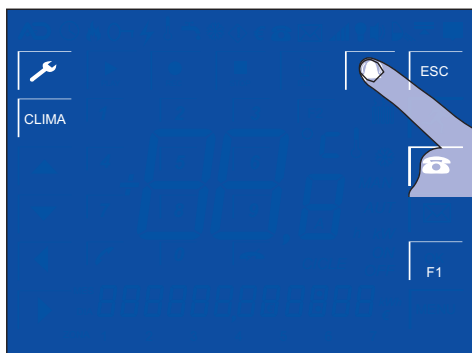### ACTIVATE OR DEACTIVATE THE POWER FAILURE ALARM

aSmart is able to detect the power outage and alert the user, as well as the reestablishment of the power supply.
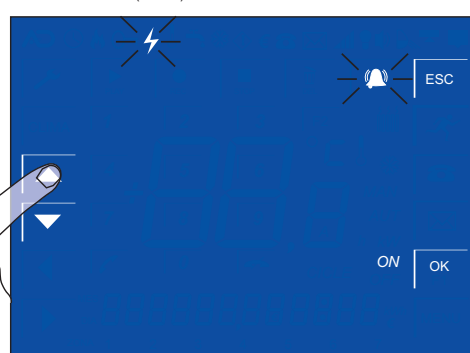
On the home screen tap the MENU key

On the menu display tap the 🔔 key

Use the ◀ ▶ keys up to be positionned in the ⚡ icon and then tap the OK key

Use the ▲ ▼ keys to deactivate the power failure alarm (*OFF*)

Use the ▲ ▼ keys to activate the power failure alarm (*ON*)

Use the OK key to confirm the selected option (*ON*)
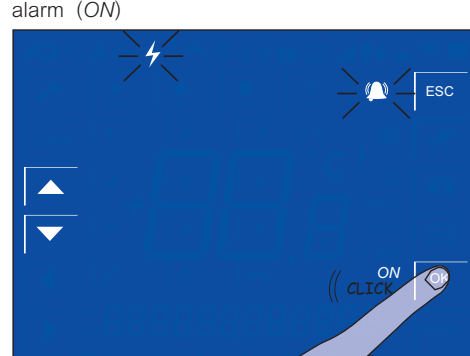
Home screen with the power failure alarm activated

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TECHNICAL ALARMS
WHEN AN INTRUSION IS DETECTED

When an incident is detected, either fire or a power failure *Smart* will send an alert into the house, "Fire alarm" or "Power Failure alarm", depending on the case. Tapping anywhere on the screen, *aSmart* will understand that the alert has been received.

But if it is no the case, it will sart calling up to the warning phone numbers set by the user. These phone numbers are common to all the alarms warnings.

In case of Power failure, the user will be alerted about the power outage as well as the reestablishment of the power supply, by sending the following message "Power failure activated".
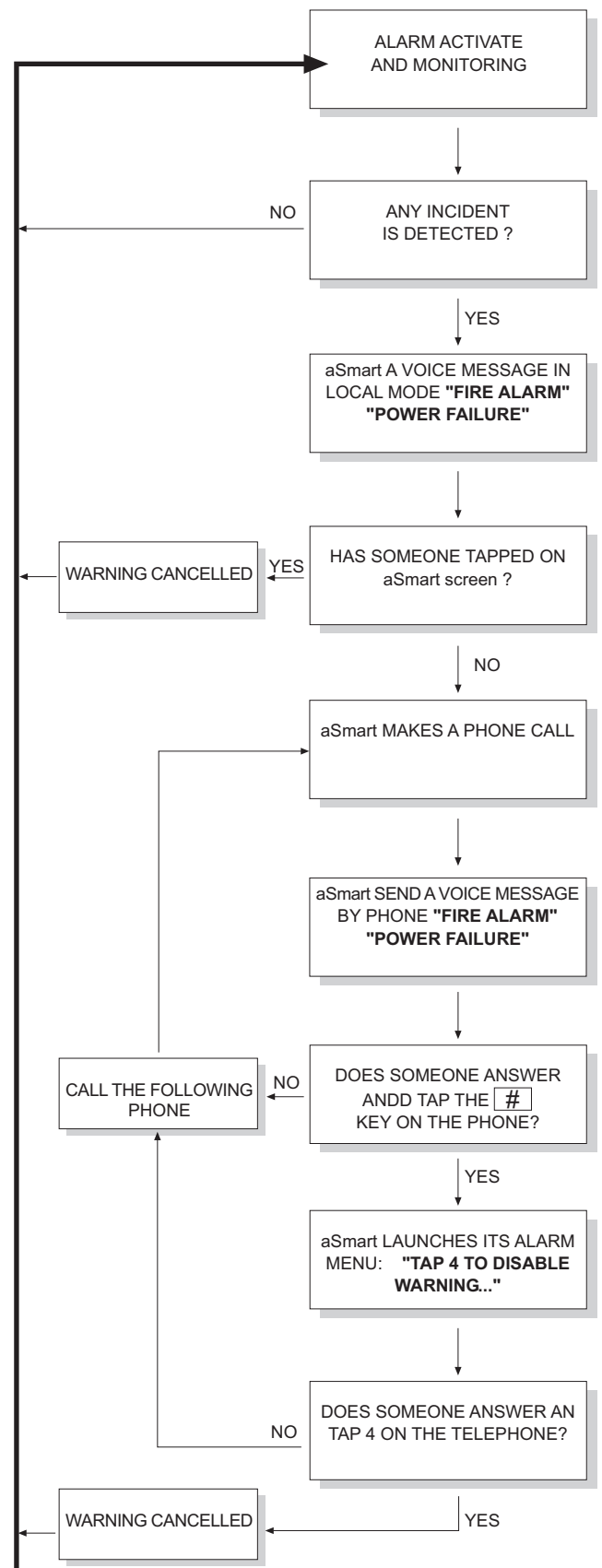
aSmart WARNS YOU OF THE INCIDENT BY PHONE

When an incident is detected, if no one is at home, *aSmart* will start calling up to the warning phone numbers previously recorded by the user.

When you receive a call from your *aSmart*, you should proceed as follows:

- Firstly you will be informed several times of the reason, either fire or a power failure, sending a voice message "Fire alarm" or "Power failure", depending on the case.

- Tap the following key # on your phone.

- You will obtain the Alarms Menu. Where there are 2 options available:
  4 Disable warnings
    Exit

- * If you dial 4 on your phone, system will answer "thank you, goodbye" and the calls process.

- If you tap the following key * or the connection is interrupted, *aSmart* will keep trying to inform on the incident to the following number recorded.

ALARM CYCLE

```
        ALARM ACTIVATE
        AND MONITORING
              │
              ▼
   NO    ANY INCIDENT
◄─────── IS DETECTED ?
              │ YES
              ▼
        aSmart A VOICE MESSAGE IN
        LOCAL MODE "FIRE ALARM"
        "POWER FAILURE"
              │
              ▼
  WARNING    YES  HAS SOMEONE TAPPED ON
  CANCELLED ◄──── aSmart screen ?
              │ NO
              ▼
        aSmart MAKES A PHONE CALL
              │
              ▼
        aSmart SEND A VOICE MESSAGE
        BY PHONE "FIRE ALARM"
        "POWER FAILURE"
              │
              ▼
  CALL THE    NO  DOES SOMEONE ANSWER
  FOLLOWING ◄──── ANDD TAP THE #
  PHONE           KEY ON THE PHONE?
              │ YES
              ▼
        aSmart LAUNCHES ITS ALARM
        MENU: "TAP 4 TO DISABLE
        WARNING..."
              │
              ▼
   NO    DOES SOMEONE ANSWER AN
◄─────── TAP 4 ON THE TELEPHONE?
              │ YES
  WARNING CANCELLED
```

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INSTANTANEOUS CONSUMPTION DISPLAY
INSTANTANEOUS ENERGY CONSUMPTION kW

aSmart includes a current sensor that enables the user to view the household energy consumption.

Therefore you will benefit from the following features:

- Warning of excess of consumption..
- Instantaneous consumption display.
- Record of the power consumption ofr the last 7 days.
- Record of the connection time of the heating/cooling for the last 7 days.
- Record of the power consumption ofr the last 12 months.
- Record of the connection time of the heating/cooling for the last 12 months.

These features offer the user an essential tool for energy-saving and consumption control.
In any case, the energy consumptions, are not intended to be a precision tool, but an indicator which enables the user to reduce his energy consumption in a rational way.

aSmart enables you to view the household instantaneous energy consumption. By tapping on the central digits zone of the home screen,and the display will change from the room temperature (Figure 1) to the energy instantaneous consumption (Figure 2).
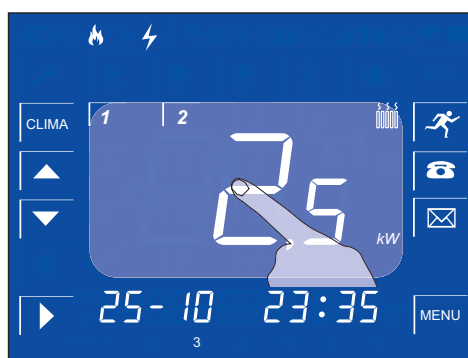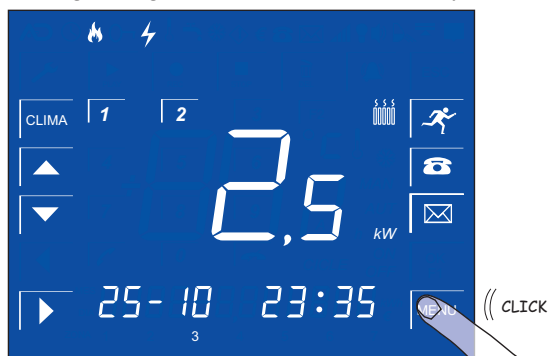

Figure 1, Room temperature

Figura 2, Instantaneous consumption

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INSTANTANEOUS CONSUMPTION DISPLAY
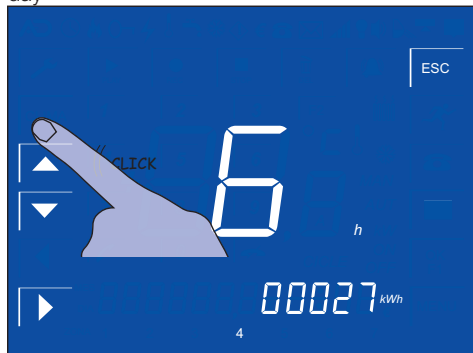DAILY & MONTHLY ENERGY CONSUMPTION €

aSmart enables the user to view the energy consumption and the connection time of the heating/cooling accumulated for the last 7 days.

On the home screen where the energy consumption is displayed tap the MENU key.
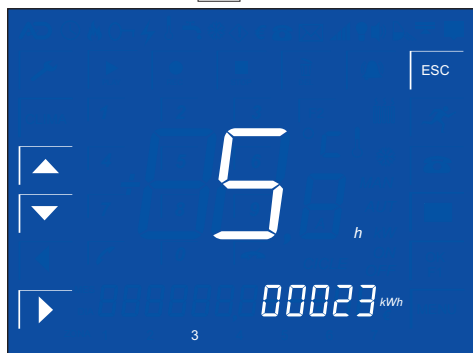
The energy consumption in Kw will be displayed as well as the heating and the connection time of the heating/cooling accumulated for the current day
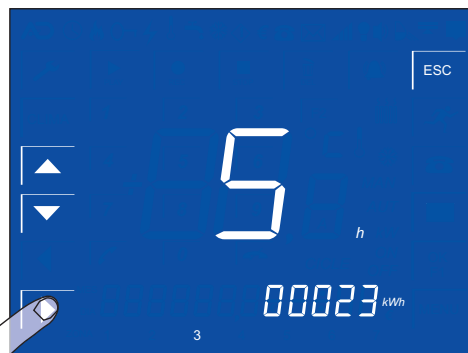

Use the ▲ ▼ keys up to view the connection time of the heating/cooling as well as the energy consumption for the last 7 days.

aSmart enables the user to view the energy consumption and the heating/cooling connection time accumulated for the last 12 months.

On the home screen where the energy consumption is displayed tap the MENU key.

Tap the ▶ key to advance to the monthly consumption display,

Tap the ▶ key to advance to the monthly consumption display

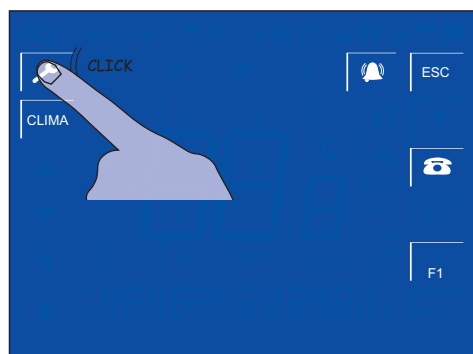Use the ▲ ▼ the to view the last 12 months consumptions.

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€ ## ENERGY CONSUMPTION DISPLAY

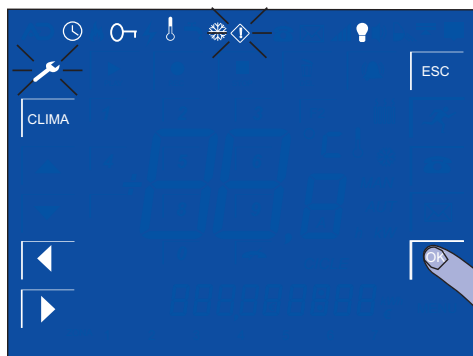HOW TO ADJUST THE EXCESS OF CONSUMPTION WARNING SYSTEM

aSmart enables the user to adjust the level of consumption in kW to be warned in case of excessive energy consumption. When the value set is 0,0 kW,this means that the warning is deactivated.
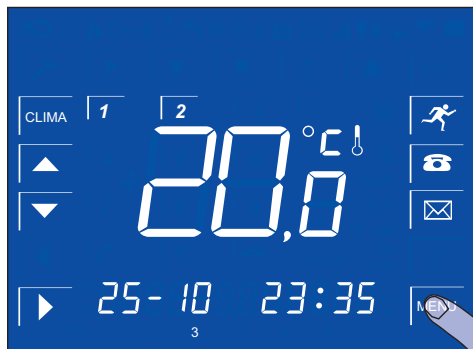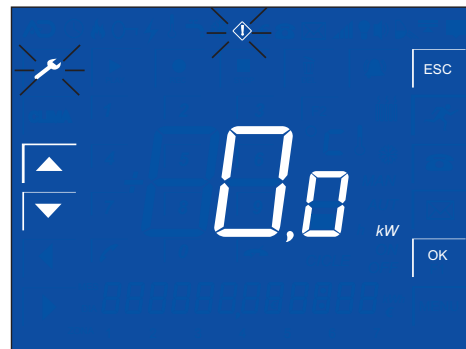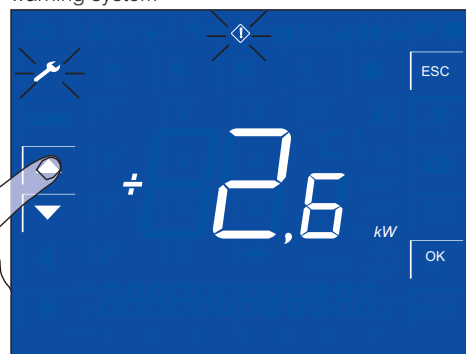

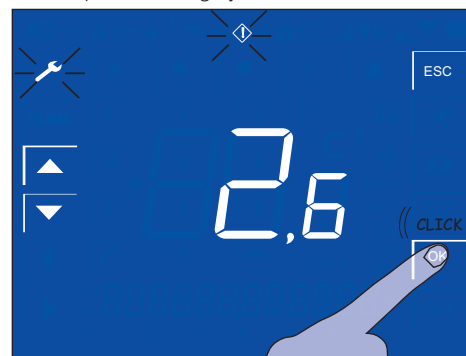On the home screen tap the MENU key

Adjustment display of the excess of consumption warning system

On the display menu tap the 🔧 key

Use the ▲ ▼ keys to adjust the excess of consumption warning system *for instance 2,6 Kw*

Use the ◀ ▶ keys up to be positionned in the 🔷 iocn and tap the OK key

Tap OK to save the selected value

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€ ENERGY CONSUMPTION DISPLAY
EXCESS OF CONSUMPTION WARNING SYSTEM

aSmart enables the user to adjust the level of consumption in kW to be warned in case of excessive energy consumption. When the value set is 0,0 kW,this means that this feature is deactivated.

When this parameter is adjusted and the household energy consumption is higher than the value set in the Excess of energy consumption, *aSmart* will start to emit an intermittent beep, futhermore, the excess of consumption symbol, will be blinking. The value of energy consumption in kw will be displayed on the home screen.

This situation will continue so lonsg as the excessive consumption remains unchanged. As soon as the consumption decreases, system automatically returns to its normal position.

The energy consumption is lower than the threshold selected
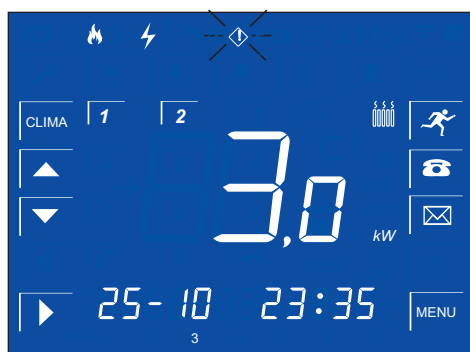
The energy consumption is higher than the threshold selected. The excess of consumption symbol, will be blinking and you will hear a beep sound.
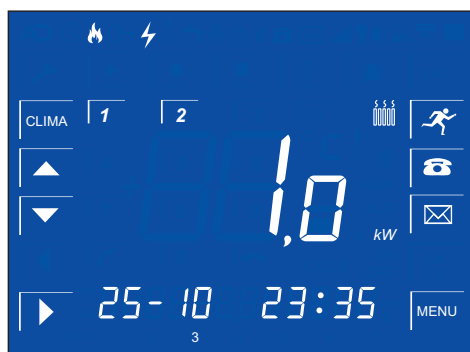
The energy consumption decreases again
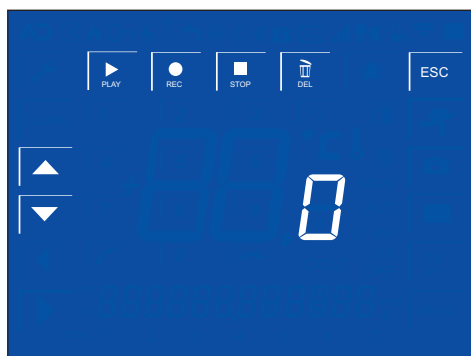
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VOICE MAILBOX
HOW TO USE THE MAILBOX ✉

aSmart can store up to 9 messages in its voice mailbox. These messages include both messages recorded in the answering machine and those locally recorded.
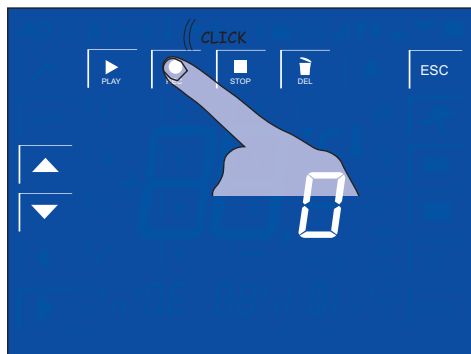
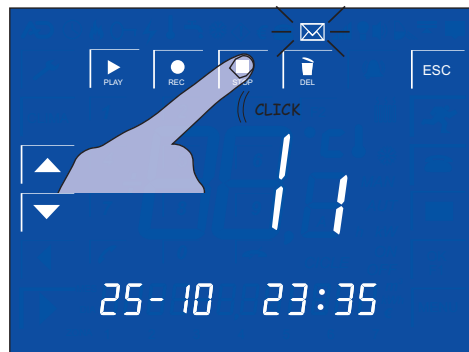All these messages can be reproduced locally or remotely through the phone.

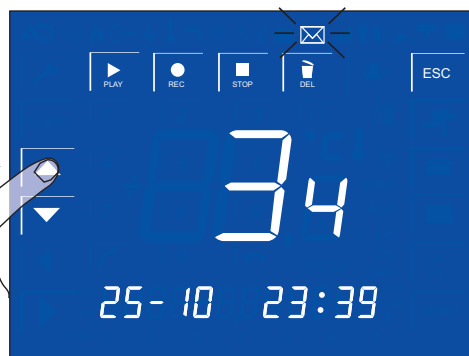Tap the ✉ icon on the home screen

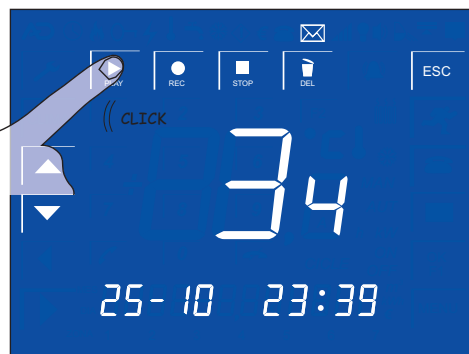When a zero is displayed this mean there are not messages recorded
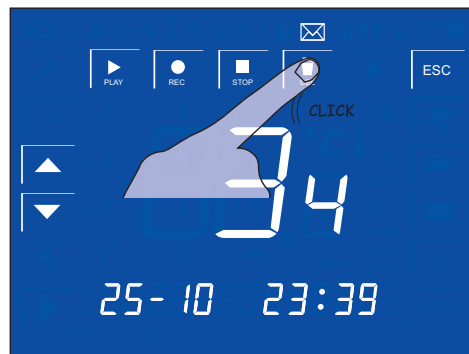

Tap the ● icon to record a message

After recording the message tap the ■ STOP key and the ✉ icon will be blinking displaying the date and time of the recording.

Use the ▲ ▼ keys to scroll through the differente messages recorded

Use the ▶ PLAY key to reproduce the selected message

Use the 🗑 DEL key to delete the selected message

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ANSWERING MACHINE
HOW TO ADJUST THE NUMBER OF RINGS OF THE ANSWERING MACHINE ☎

aSmart includes an answering machine. The telephone messages recorded are stored in the answering machine mailbox with the messages locally recorded. It is possible to record up to a maximum of 9 voice messages, the maximum length of the recorded messages is 30 seconds/message time. hese messages include both messages recorded in the answering machine and those locally recorded
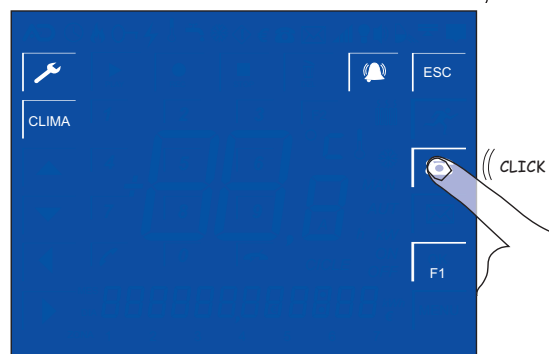
All these messages can be reproduced locally or remotely through the phone. The locally reproduction has already been explained in the operating mode of the Voice mailbox.
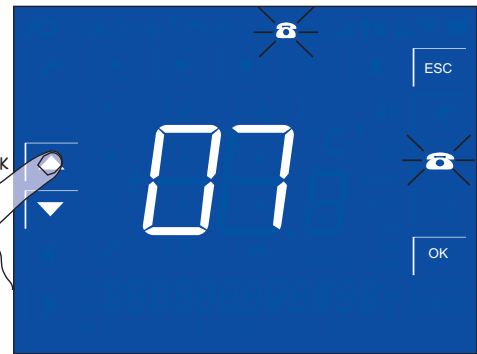
On the home scren tap the MENU key
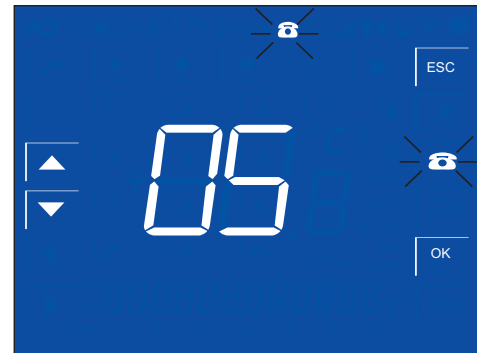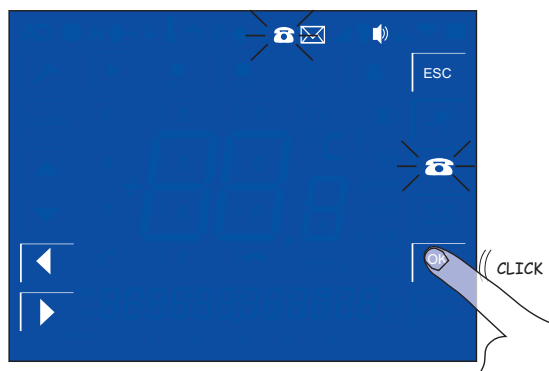
Indicates the number of rings aSmart will answer an incoming call. *(For instance. 5th ring)*
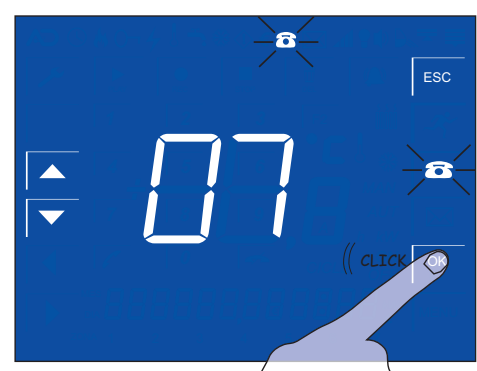
On the menu display tap the ☎ key

Use the ▲ ▼ keys to increase or decrease the adjustment of this parameter.

Use the ◀ ▶ keys to be positionned in the ☎ icon and then tap the OK key

Use the OK key to save the value selected

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ANSWERING MACHINE
### HOW TO RECORD A NEW OUTGOING MESSAGE

When you call to the house and *aSmart* will answer the call after the number of rings previously defined. At this time the answering machine will play the outgoing message. *aSmart* includes a factory default message (number 1) and you can also record your own greeting message (number 2), you can select one or another. The factory default message cannot be deleted, at it can be selected at any time.

On the main screen tap the MENU key
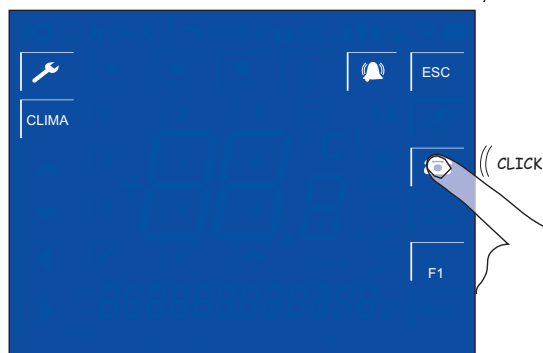
On the menu display tap the ☎ key
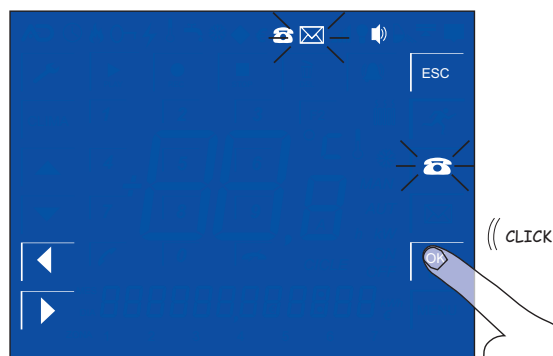
Use the ◀ ▶ keys to be positionned in the ✉ icon and then tap the OK icon
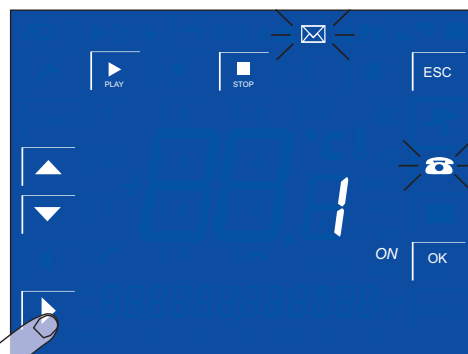
The factory default message number 1 has been selected *(ON)*. Tap the ▶ key to advance to message number 2
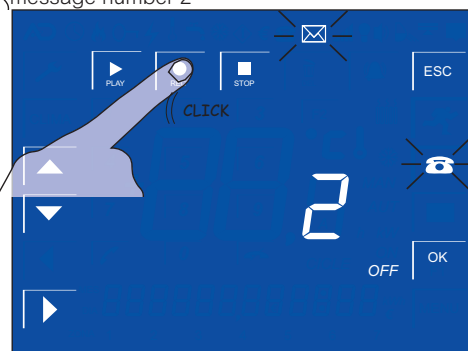
Tap the ● REC key to record your own message personalized *(maximum 10 secondes)*

Use the ▲ ▼ keys to select *(ON)* the message number 2 as outgoing message
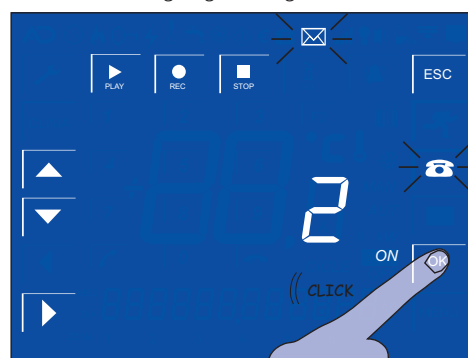
Tap the OK key to save the selected outgoing message

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ANSWERING MACHINE
HOW TO ADJUST THE VOLUME LEVEL FOR THE PHONE RINGER 🔊

When *aSmart* receives a phone call, it emits a ring tone that can be activated or deactivated by the user. Usually there are other phones in the house and when a call is received all the phones ringing at one time might be really annoying.
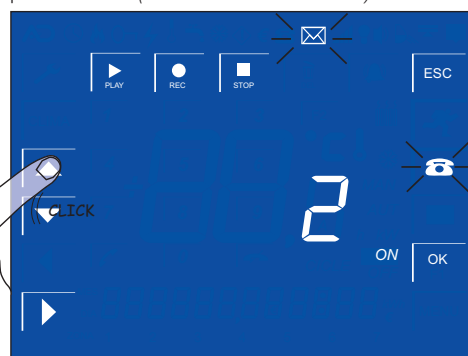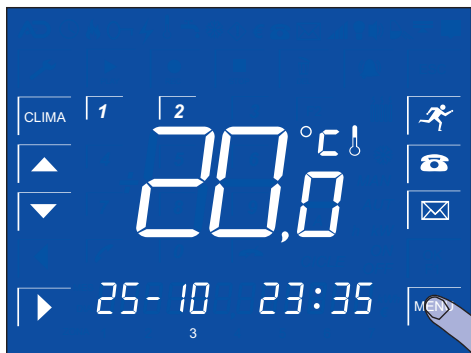
On the home screen tap the MENU key
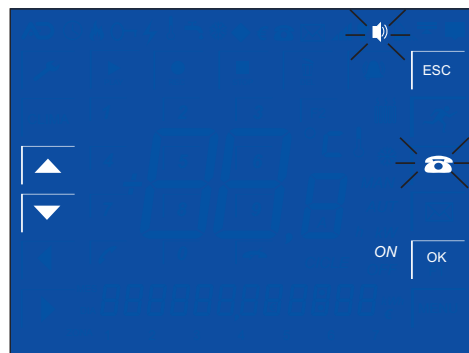
The volume of the ring is activated *(ON)*
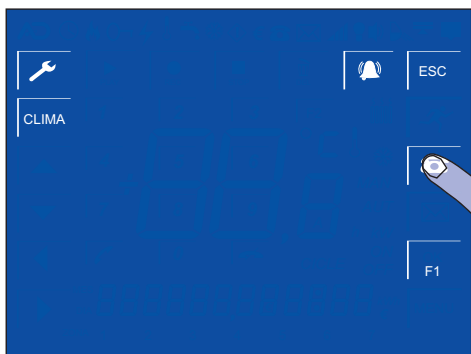
On the display menu tap the ☎ key
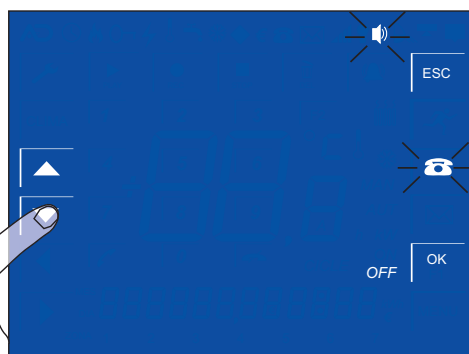
Use the ▲ ▼ keys to select (OFF) to deactivate the volume of the ring.
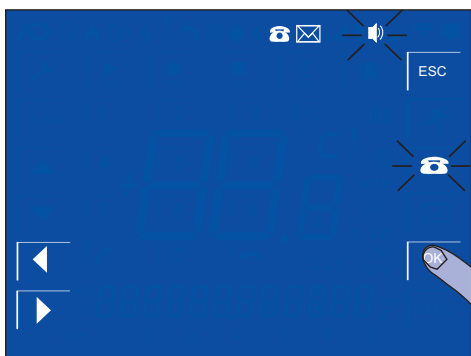
Use the ◀ ▶ keys up to be positionned in the 🔊 icon and then tap the OK key

Use the OK key to save the value selected

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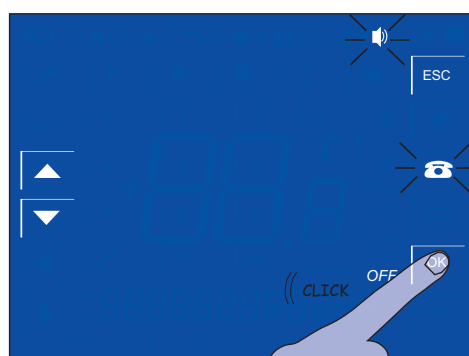
TELEPHONE
HOW TO MAKE AND ANSWER A CALL ☎

aSmart also operates as a hands-free telephone. You can make and answer calls. In the same way, you can decide not to answer and use *aSmart* answering machine to pick up the call.

On the home screen tap the ☎ key

Enter the phone number you wish to call. If you were wrong you can delete by tapping the ◄ key.

To make a call tap the 📞 key
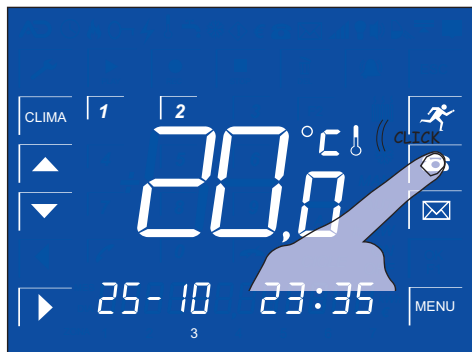
To finish the call tap the ☎ key
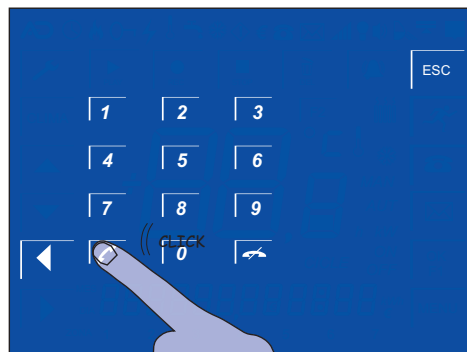
When you receive a phone call, the phone screen will be displayed automatically. Tap the 📞 key to answer this call.
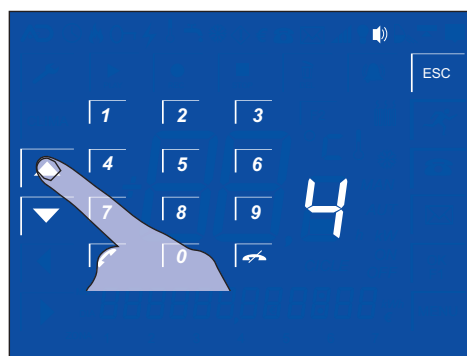
While in a call, you adjust the volume by tapping the ▲ ▼ keys.
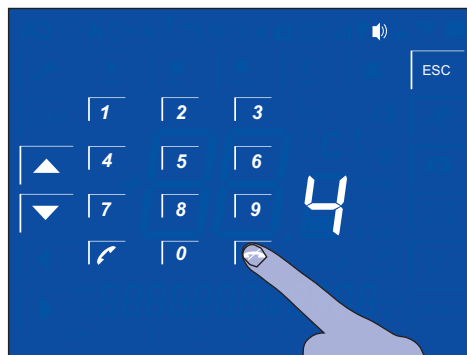
To finish the call tap ☎. aSmart will return to the home screen.

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ADJUSTEMENTS
HOW TO ADJUST DATE AND TIME 🕐

The date and time adjustment are necessary to program the heating, the presence simulation, and the voice mailbox.
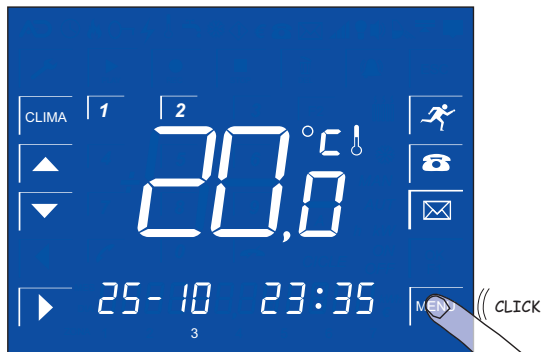
On the home screen tap the MENU key
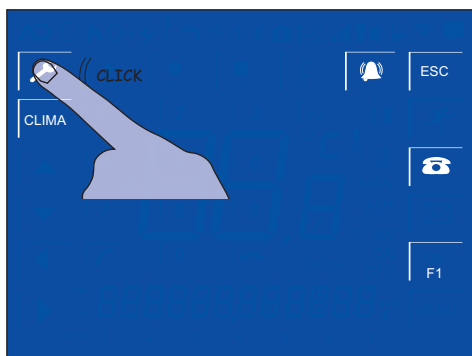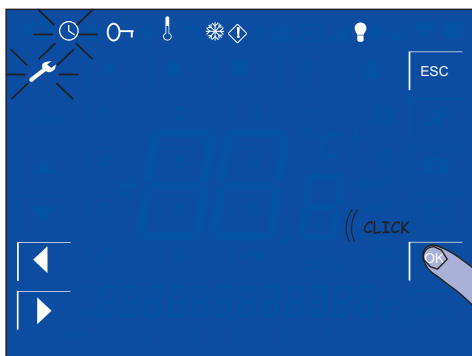
On the menu display tap the 🔧 key

Use the ◀ ▶ keys up to be positionned in the 🕐 icon and then tap the OK key

Use the ▲ ▼ keys to select the day
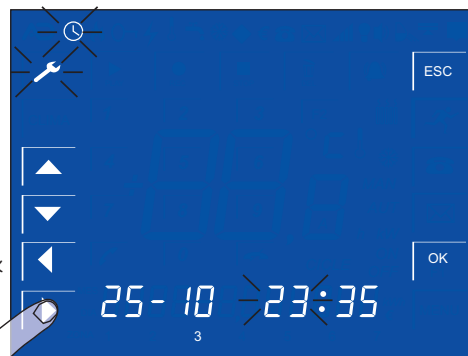
Use the ◀ ▶ keys to scroll through the different fields (day, month, hour and minutes) and use the ▲ ▼ keys to adjust the value of the parameters to be modified.
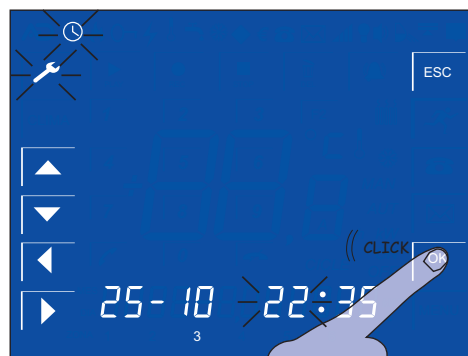
Tap the OK key to save the selected values

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ADJUSTMENTS
HOW TO ADJUST THE PASSCODE 🔑

aSmart has a passcode for the intrusion alarm and for remote access to your system. The **factory default passcode is "0000"**. To change this passcode you should proceed as follows:

On the home screen tap the MENU key
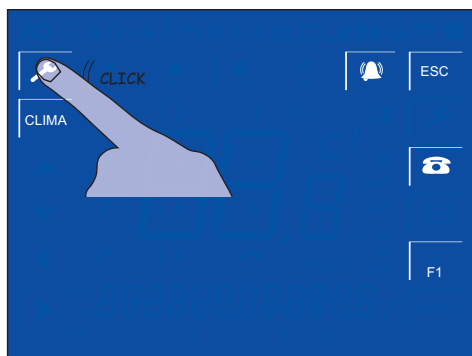
On the menu display tap the 🔧
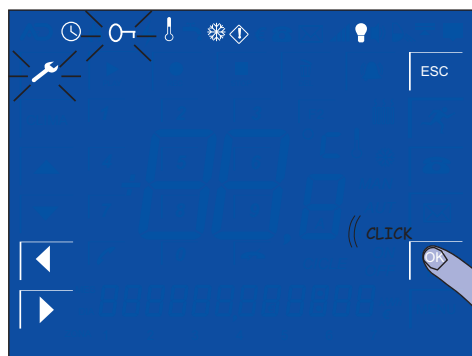
Use the ◀ ▶ keys up to be positionned in the 🔑 icon and then tap the OK key
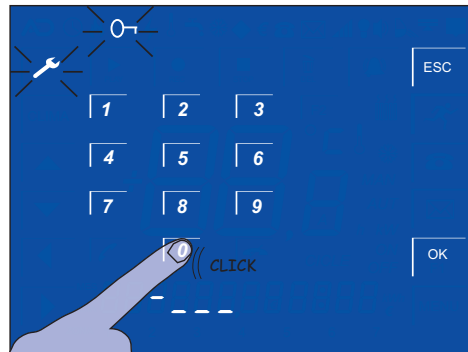
Enter the passcode (*the first time is "0000"*)
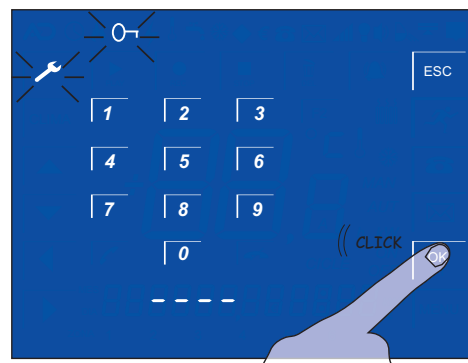
Tap the OK to validate the key
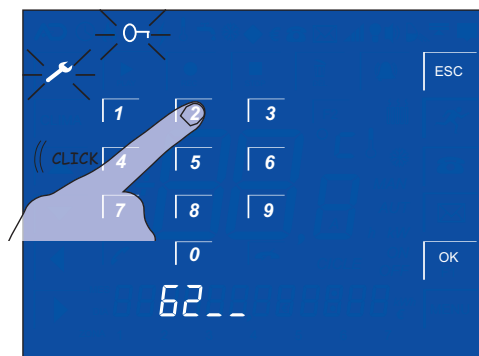
Enter the new 4 digits passcode
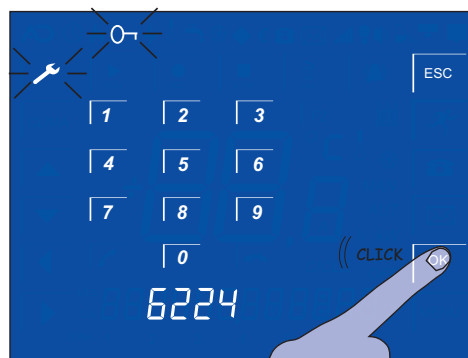
Tap the OK key to save the new key

REMEMBER TO KEEP IT IN A SAFE PLACE TO RECOVER IN CASE YOU FORGET IT.

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REMOTE PHONE CONTROL
aSmart THROUGH THE PHONE

aSmart has been configured to be controlled remotely. Just call from your phone to your house and *aSmart´s* answering machine will answer the call. Before the end of the answering machine´s message tap the # key on your phone and *aSmart* will ask you to enter the passcode. If you have entered the correct passcode *aSmart* will guide you by means of voice messages through the available options.

PHONE CYCLE

CALL FROM YOUR PHONE TO YOUR HOUSE

↓

aSmart ANSWERS **" WE ARE UNABLE TO TAKE YOUR CALL RIGHT NOW . . ."**

YOU DO NOT TAP THE # KEY ON YOUR PHONE →

THE ANSWERING MACHINE RESPONDS AND MESSAGE IS STORED IN THE VOICE MAILBOX

TAP THE # KEY ON YOUR PHONE ↓

aSmart ASK YOU TO: **"ENTER PASSCODE"**

INCORRECT PASSCODE ←

aSmart SAYS GOODBYE AND HANG UP THE PHONE

CORRECT PASSCODE ↓

aSmart WILL GUIDE YOU THROUGH ITS OPTIONS

TAP * ←

**"HOME MENU:
TAP 1 FOR HEATING, 2 FOR ALARM, 3 FOR MESSAGES, * TO EXIT"**

TAP 1

"HEATING MENU"
aSmart DISPLAYS THE HEATING MODE, THE ROOM TEMPERATURE AND THE DESIRED SET-POINT TEMPERATURE
"TAP 1 TO INCREASE SET-POINT, 2 TO DECREASE SET-POINT, 3 TO CHANGE MODE, * TO EXIT"

TAP 1
THE TEMPERATURE SET-POINT WILL GO UP BY 1 DEGREE

TAP 2
THE TEMPERATURE SET-POINT WILL GO DOWN BY 1 DEGREE

TAP 3
EACH TIME YOU TAP 3, THE HEATING MODE CHANGES (MANUAL, AUTOMATIC, OFF)

TAP *
RETURN TO THE HOME MENU

TAP 2

"MENU ALARM"
aSmart DISPLAYS THE INTRUSION ALARM MODE
"TAP 1 TO CHANGE MODE, 2 FOR LISTENING MODE, 3 FOR TALKING MODE, 4 TO DISABLE WARNINGS, * TO EXIT"

TAP 1
CHANGES THE ALARM MODE FROM ACTIVATED TO DEACTIVATED AND VICE VERSA

TAP 2
YOU CAN LISTEN WHAT IS HAPPENING AT HOME WITHOUT BEING HEARD

TAP 3
YOU CAN TALK WITH SOMEONE PRESENT IN THE HOUSE

TAP 4
IF THE ALARM HAS GONE OFF, IT STOPS CALLING THE PENDING PHONES AND IT IS STILL ENABLED

TAP *
RETURN TO THE HOME MENU

TAP 3

"MENU MESSAGES"
aSmart DISPLAY THE NUMBER OF MESSAGES IN YOUR VOICE MAILBOX
"TAP 1 TO LISTEN THE MESSAGE, 2 TO LISTEN THE NEXT MESSAGE, 3 TO LISTEN THE PREVIOUS ONE, 4 TO DELETE MESSAGE, * TO EXIT"

TAP 1
YOU CAN LISTEN THE CURRENT MESSAGE ANT ITS DATE AND TIME OF RECEIPT

TAP 2
YOU CAN LISTEN THE NEXT MESSAGE AND ITS DATE AND TIME OF RECEIPT

TAP 3
YOU CAN LISTEN THE PREVIOUS MESSAGE AND ITS DATE AND TIME OF RECEIPT

TAP 4
DELETE THE CURRENT MESSAGE

TAP *
RETURN TO THE HOME MENU

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NOTES

SYSTEM FEATURES

The feactures outlined in this manual may differ from those of your system, depending on the models as well as the country in which the will sold. If you have any doubt contact your dealer .

PASSCODE

The factory default passcode is 0000. To ensure your security it is recommended to change it and keep it in a safe place.

This passcode is necesary for remote acces to your system by phone as well as for the intrusion alarm deactivation.

If you have forgotten the passcode contact your dealer.

WARNING PHONE NUMBERS

In many countries legislation prevent the automatic systems,such as this, from calling to emergency services' phone numbers, such us the police forces, firefighters, ... Normally you should enter personal phone number to alert you in case of any incident detected, and you will be responsible for taking the necessary measures.

INTERNET

aSmart operates as telephone. If you install an ADSL at home, You need to install a microfilter as in each phone socket used in your property. If you do not install those microfilters, you may have incidents when phoning from *aSmart* or in remote access to your system. Usually this microfilters are supplied by your ADSL supplier together with the router. If there are more than 3 phones at home (including *aSmart*) it may be necessary to install a splitter (contact the Technical Service of your ADSL supplier).

TELEPHONE LINE

aSmart has been configured to operate throuhg Basic Network telephone lines Spanish abbreviation RTB. We cannot guarantee the correct operation if this unit is connected via a switchboard. Since each switchboard has its own operating parameters.The same thing can also happen with GSM switchboards which provide fixed line connection.

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