

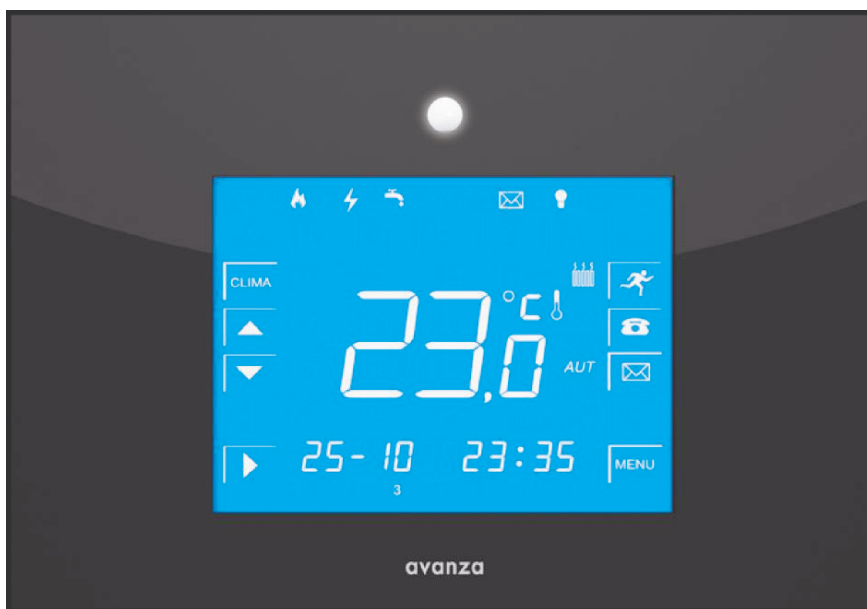
USER'S MANUAL

aSmart

Ref. aS.1501

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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.

DESCRIPTION OF THE FUNCTIONS

HEATING/COOLING MANAGEMENT

aSmart allows to manage 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 7°C/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 useful 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.

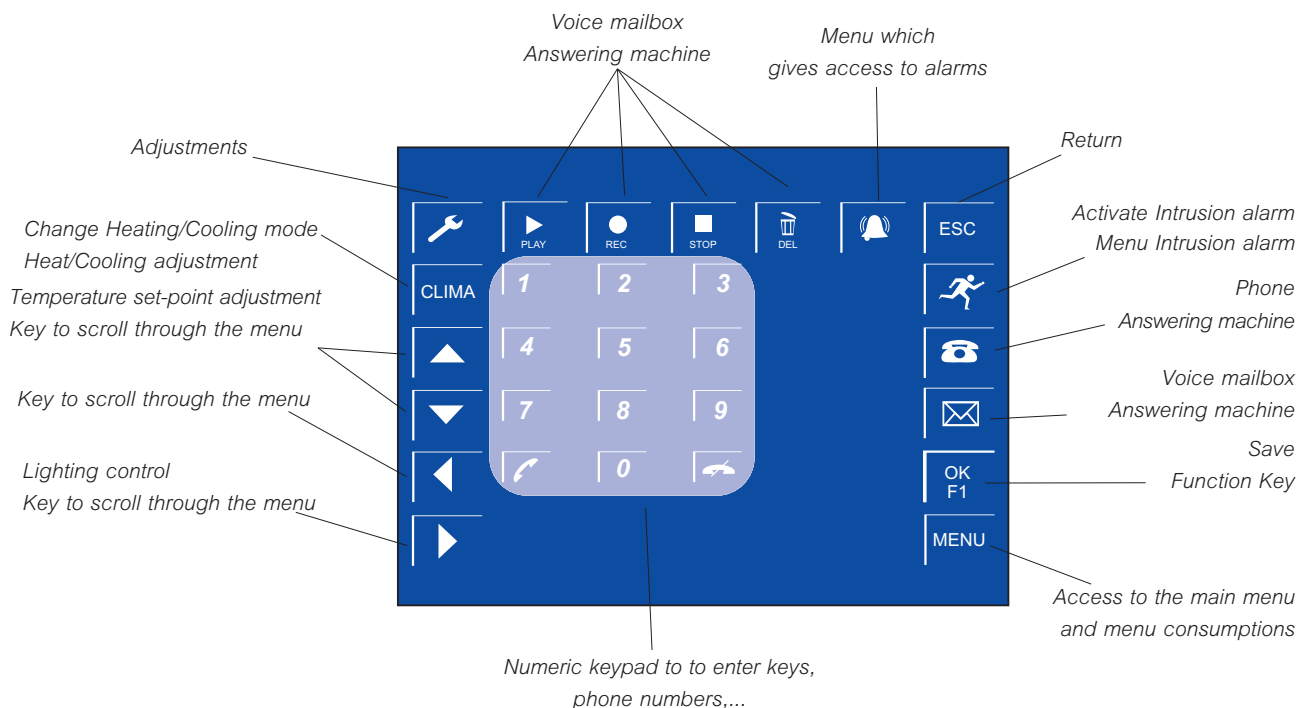
PHONE REMOTE CONTROL

aSmart functions can be remote controlled from any telephone line. Key-protected access, aSmart communicates with the user through a menu of 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.

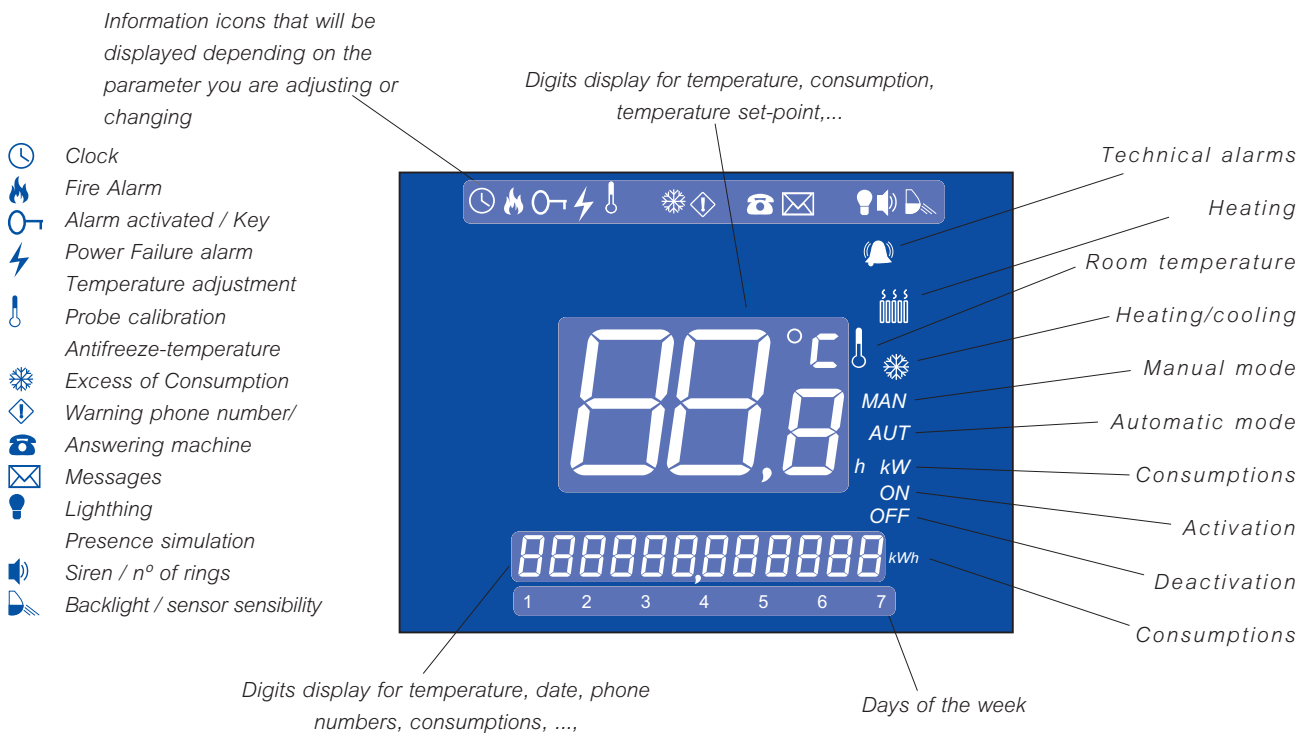
DESCRIPTION OF THE SCREEN

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



DESCRIPTION OF THE ICONS



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).

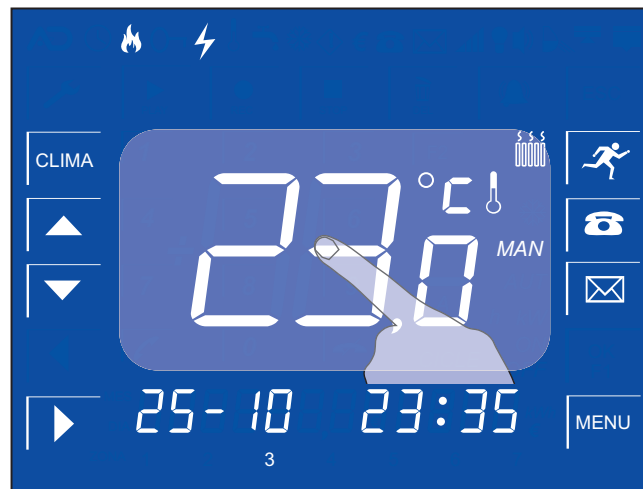


Figure 1

2. CONSUMPTIONS VISUALIZATION

On this screen is displayed the instantaneous consumption (Fig. 2).

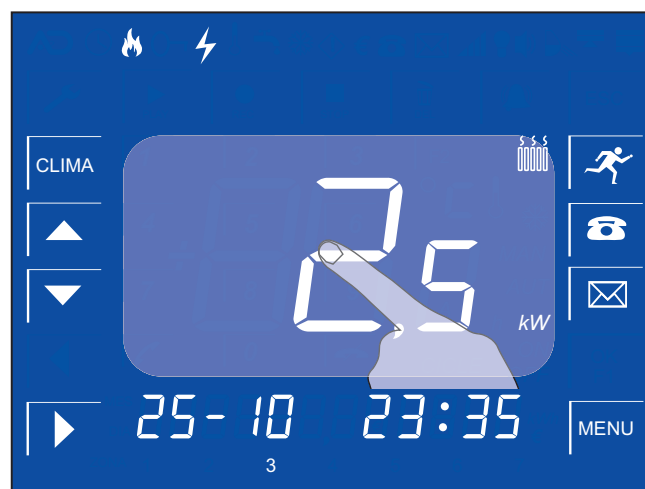


Figure 2

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

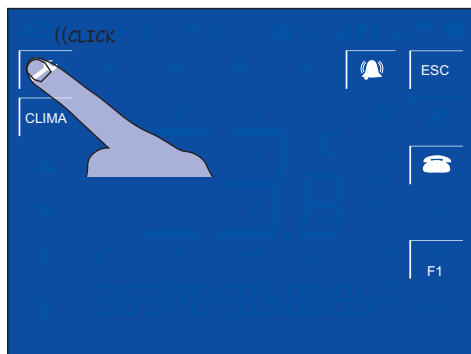


HOW TO ADJUST SCREEN BRIGHTNESS

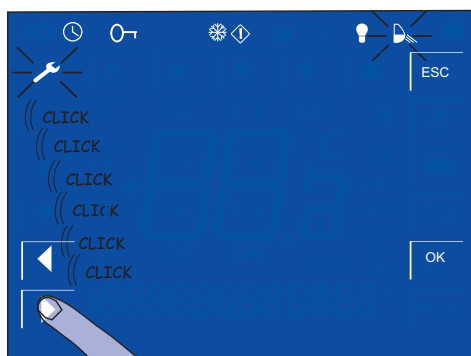
aSmart's home screen comprises a backlight system. aSmart will turn on automatically when the built-in motion sensor detects movements. If no motion is detected after 30 seconds screen will turn off. The operating mode of this feature can be modified so that aSmart will turn on only in case you tap the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



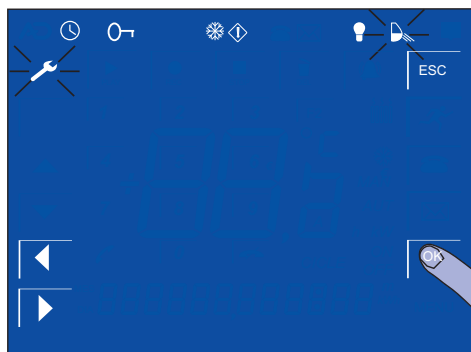
Tap the **MENU** key on the home screen



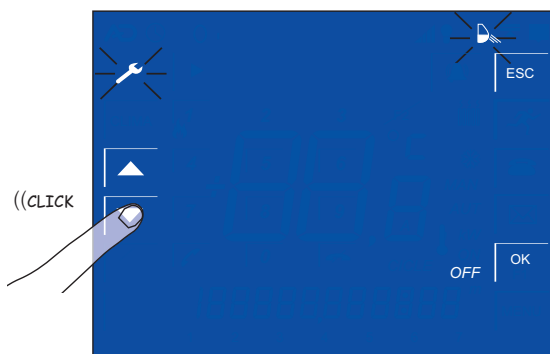
Tap the **CLIMA** key on the screen menu.



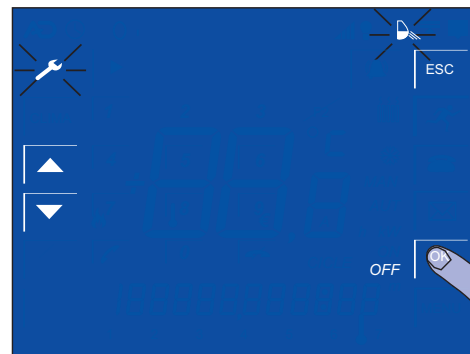
Tap the **left arrow** key up to reach the icon



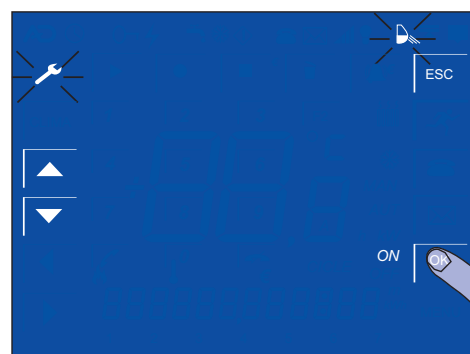
Tap the **OK** key to confirm



Tap the **up arrow** keys to select OFF.



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



You can return to the backlight mode under motion detection by tapping the **up arrow** **down arrow** keys to select ON and then the **OK** key to confirm.



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.

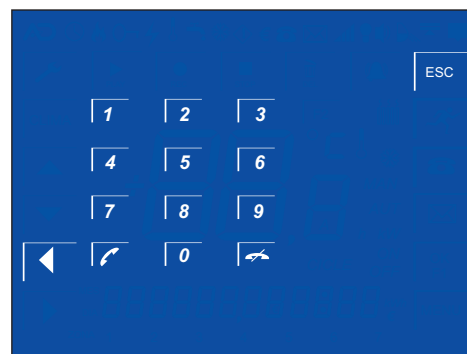
CONFIGURATION BB (ON-OFF)

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 continuously operating, and on Automatic it will operate according to the cycles set by the user.

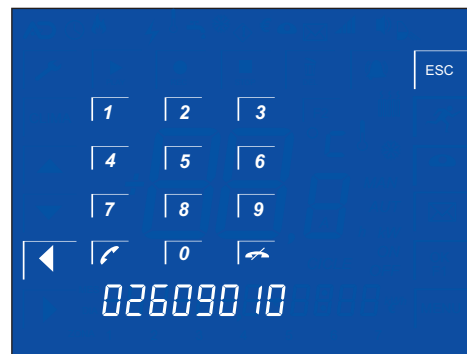
You can check the settings by going into the setting menu from the temperature visual display (Fig. 1) **[MENU]**, and then tap the **[F1]** key. In the middle of the screen you will see "bC" in case of thermostat configuration or "bb" in case of ON-OFF configuration.

SETTING SEQUENCE

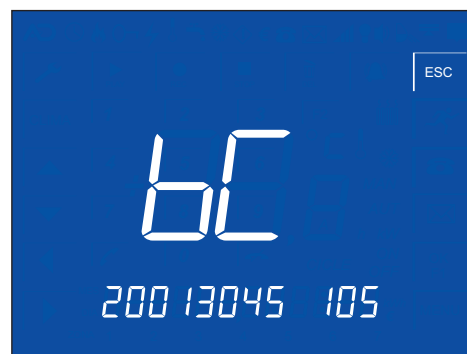
1.- Tap the **[Phone]** key on the home screen. The screen Phone will appear.



2.- Dial the number **02609010** as in case of a telephone number and then tap the **[Call]** 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.



HEATING/COOLING MANAGEMENT

SELECT THE OPERATING MODE CLIMA

aSmart has three operating modes:

MANUAL

When aSmart is configured as a Thermostat (BC), the system will turn on provided that the room temperature remains lower than the set-point temperature.

When aSmart is configured as ON-OFF (BB), heating/cooling will be continuously operating.

AUTOMATIC

When aSmart is configured as a Thermostat (BC), the system will turn on provided that the room temperature remains lower than the set-point temperature within the daily cycles set by the user.

When aSmart is configured as ON-OFF (BB), heating/cooling will be continuously operating within the daily cycles set by the user.

SWITCHED OFF

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

Under the BC (Thermostat) configuration *and* the heating is on, the symbol will be displayed on the screen.

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



Manual mode



Automatic mode



Switched off mode
(Nothing appears on the display)



HEATING/COOLING MANAGEMENT


IN MANUAL MODE *MAN*. HOW TO ADJUST THE TEMPERATURE SET-POINT  

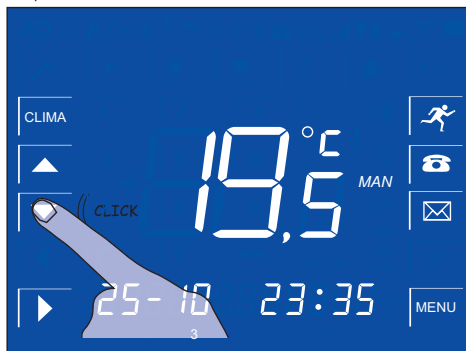
When *aSmart* is configured as a thermostat (BC), in Manual mode (*MAN*) it operate according to the temperature set-point selected by the user. Under ON-OFF (BB) mode, there is not temperature set-point.




Home screen. Room temperature



Tap the  key to increase the temperature setpoint



Tap the  key to decrease the temperature setpoint



After 5 seconds without changing the temperature set-point the system will automatically display the room temperature.



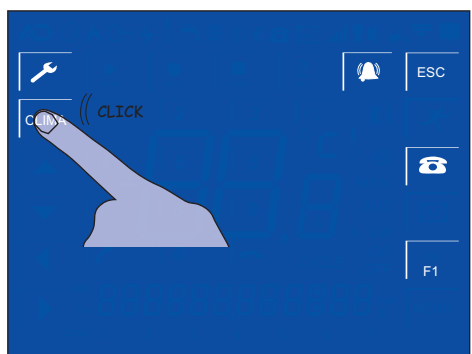
HEATING/COOLING MANAGEMENT

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

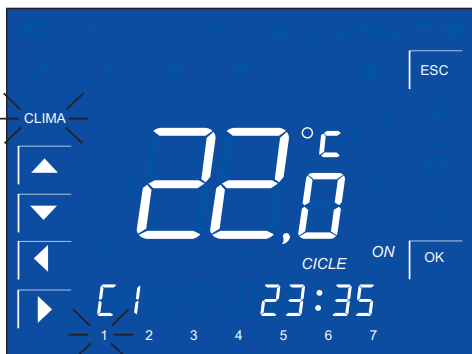
If you want your aSmart system to operate in Automatic mode previously you should select the on-off cycles. Under Thermostat (BC) configuration you should also set the desired temperature (set-point temperature)



On the main 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:

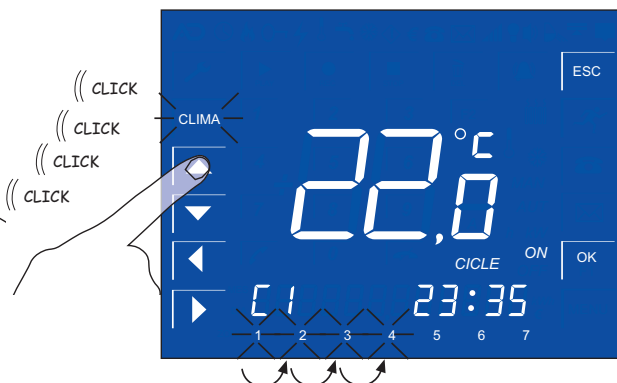
Day of the week (1-7)

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 (0°C a 40°C)
- 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.

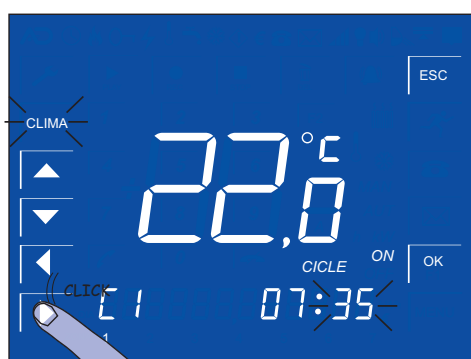
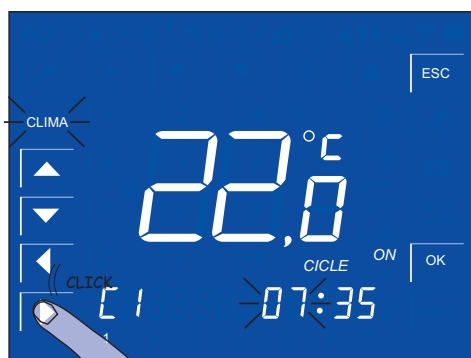


Tap again the key to go to the temperature set-point adjustment screen.

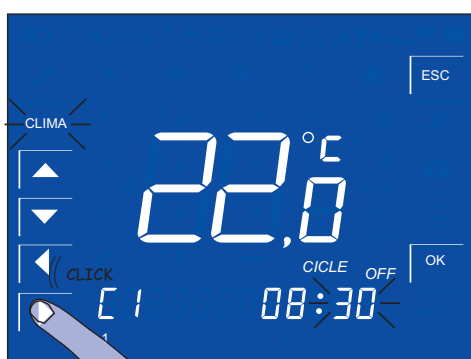
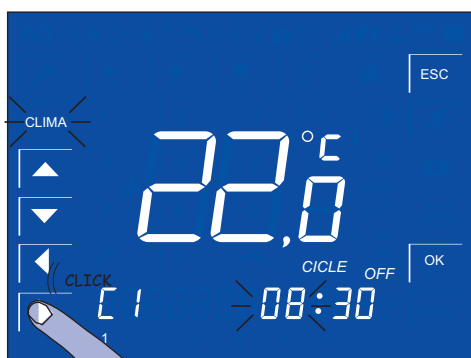


HEATING/COOLING MANAGEMENT

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



Tap the key and set the switch-on hour and minute.

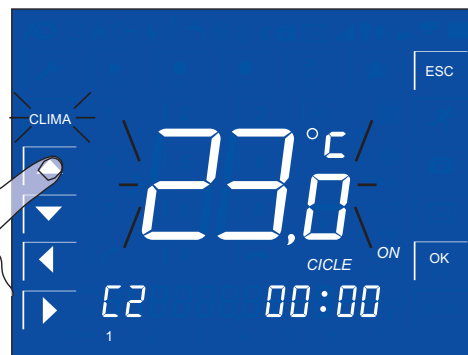


Tap the key and set the switch-off hour and minute.



((CLICK

Tap the key and set the temperature of the next cycle C2.



((CLICK

((CLICK

Use the key to increase the temperature set-point of the next cycle C2 by one degree .



((CLICK

Use the key to decrease the temperature set-point of 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.



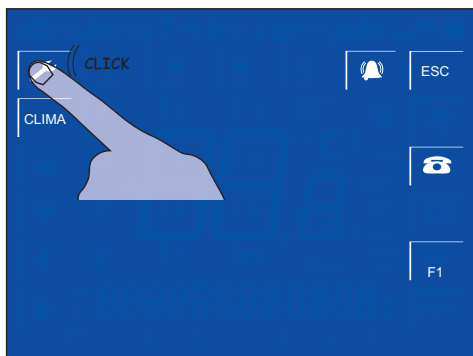
HEATING/COOLING MANAGEMENT

HOW TO ADJUST THE ROOM THERMOMETER

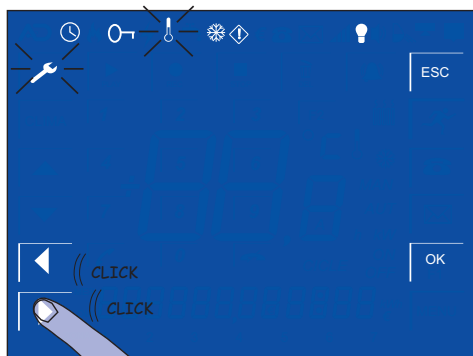
aSmart includes a room thermometer to fulfill the thermostat function and displays this temperature in its Home screen. Nevertheless, sometimes we can observe that the measurement made is not correct. It can be due to many external causes, as for instance drafts, wall heating pipes behind the system.... In any case, aSmart is equipped with the feature of the room thermometer adjustment.



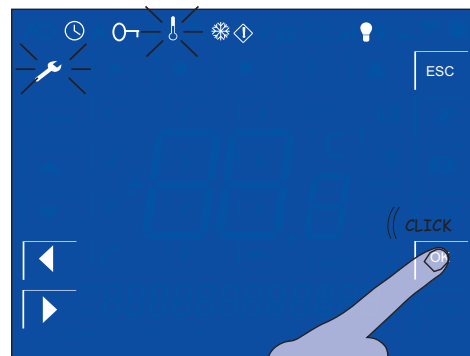
On the home screen tap the **MENU** key



On the menu screen tap the **CLIMA** key



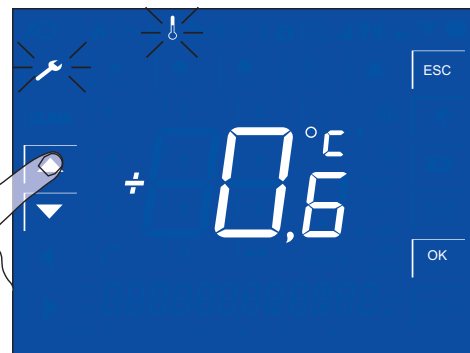
Use the **←** **→** keys to advance up to the icon.



Tap **OK**



You go into the room thermometer adjustment screen.



Use the **▲** **▼** keys to adjust up to match the room temperature and real temperature.



Tap the **OK** key to save the adjustment.



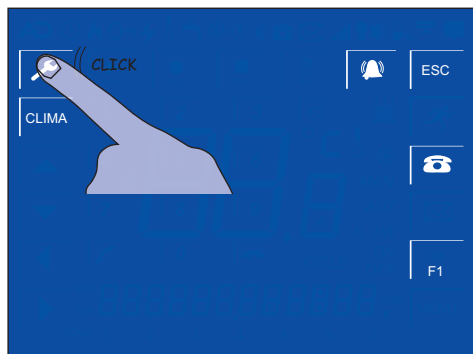
HEATING/COOLING MANAGEMENT

HOW TO ADJUST THE ANTIFREEZE SET-POINT TEMPERATURE ❄️

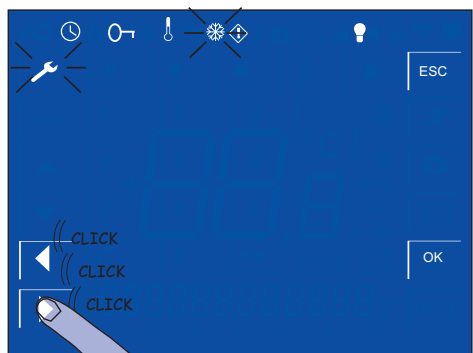
aSmart includes an antifreeze feature. This feature is only available when the system has been configured as a Thermostat (BC). The reason for this is to prevent the house temperature from dropping below the antifreeze set-point temperature when the heating system is in automatic mode. By this means 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.



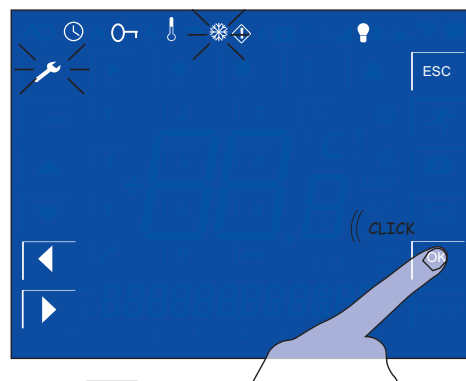
On the home screen tap the **MENU** key.



On the menu screen tap the **Wrench** key.



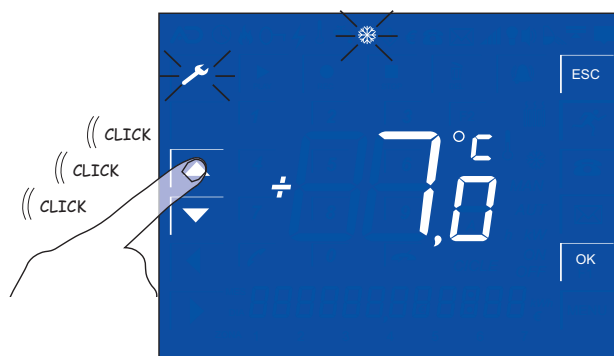
Use the **Left Arrow** **Right Arrow** keys to advance up to the **Antifreeze** icon.



Tap the **OK** key



You go into the antifreeze temperature adjustment screen.



Use the **Up Arrow** **Down Arrow** keys to adjust up to set the desired set-point.



Tap the **OK** key to save the adjustment.



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)

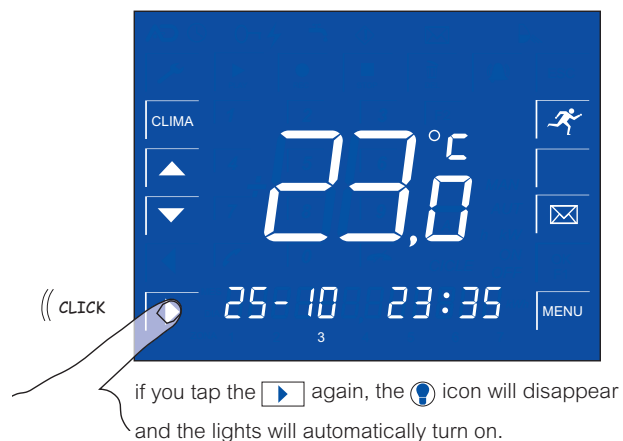
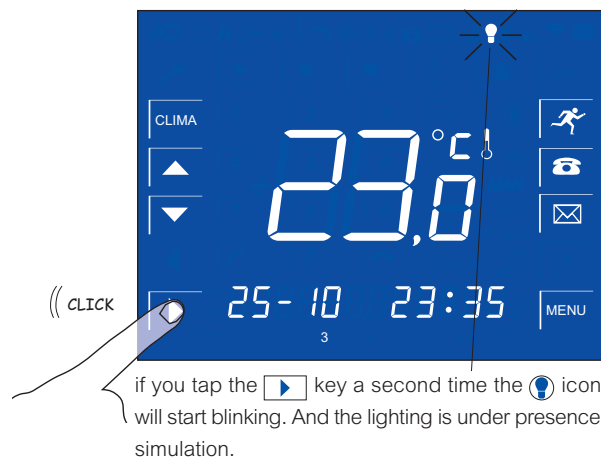
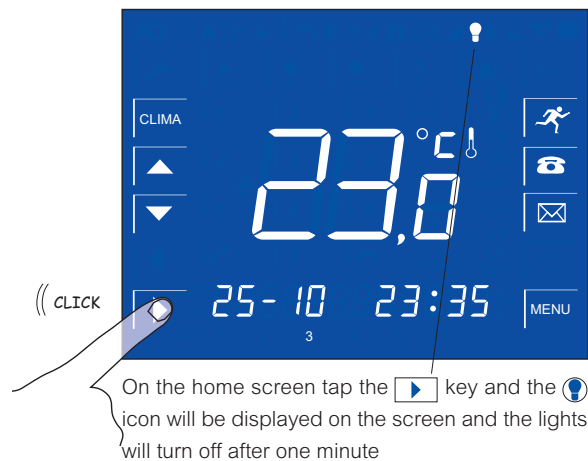
When aSmart is under this configuration, lighting will operate according to the hourly cycles scheduled by the user. In this way, if he leaves home for a few days (for instance vacations), it allows a aSmart to simulate the presence in the house, to prevent burglaries and thefts.

When you select this operating mode aSmart gives you 1 minute to leave the house. From that moment on, as soon as aSmart detects you, the operating mode will change to switched on, and the lights will automaticalley turn on. And the 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, as soon as aSmart detects you, the operating mode will change to switched on, and the lights will automaticalley turn on.

And the icon will be displayed on the screen.





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.

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

Day of the week (1-7).

Number of the cycle for every day of the week (C1, C2, C3)

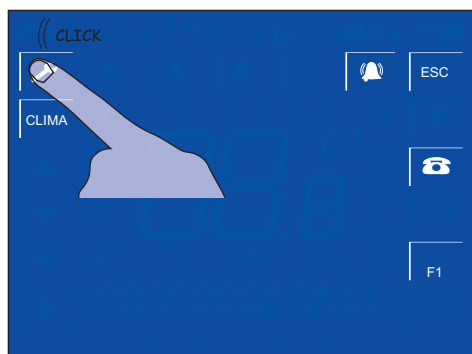
Hour and minute of the cycle start up (CYCLE ON)

Hour and minute of the cycle ending (CYCLE OFF)

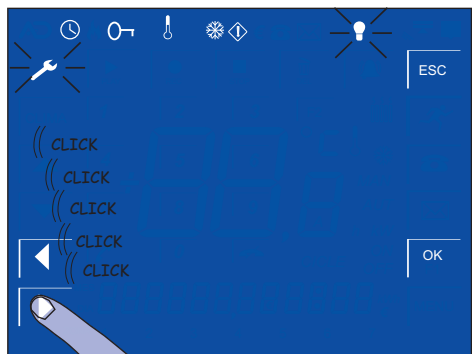
The parameter to be adjusted will start blinking



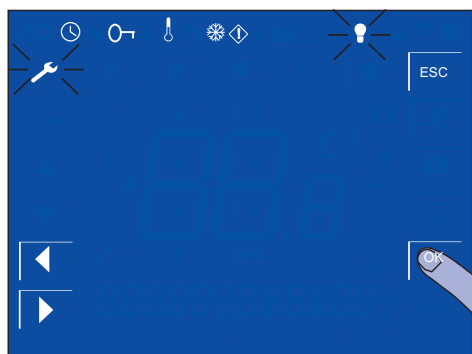
On the home screen tap the **MENU** key.



On the menu display tap the key.



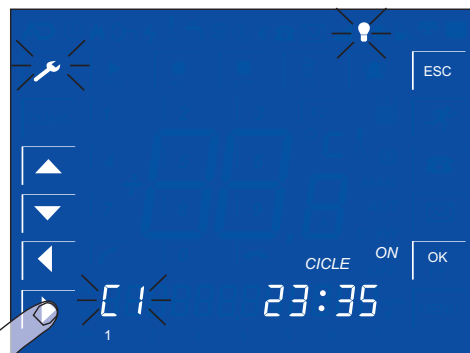
Tap the key up to the lighting icon.



Tap the **OK** key to go into the lighting setting menu.



The day is the first parameter to be configured. Use the keys to select the day.

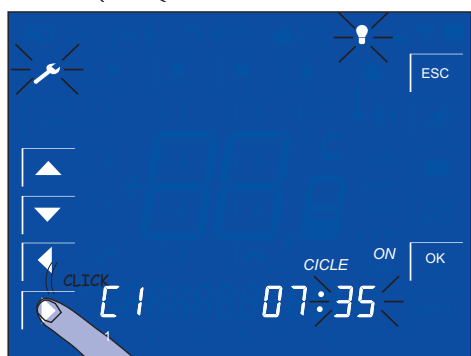
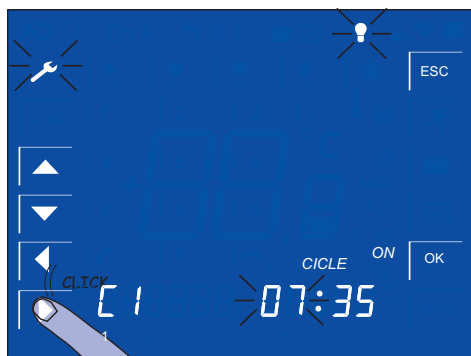


Tap the to advance to the next field, number the cycle C1.

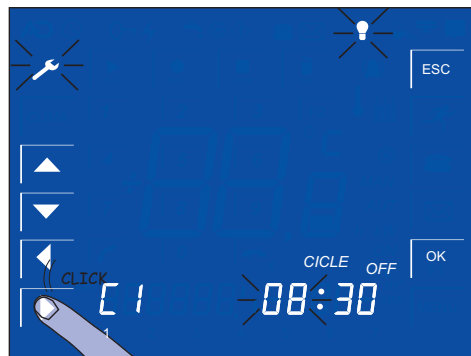


LIGHTING CONTROL

HOW TO ADJUST THE PRESENCE SIMULATION

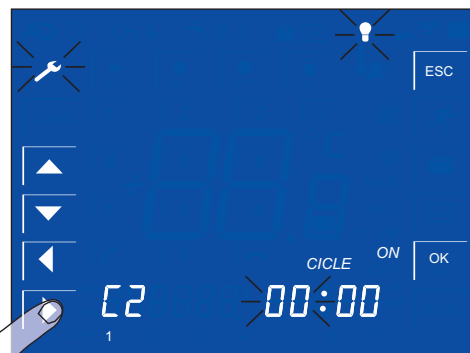


Tap the key and set the lighting switch-on hour and minute.

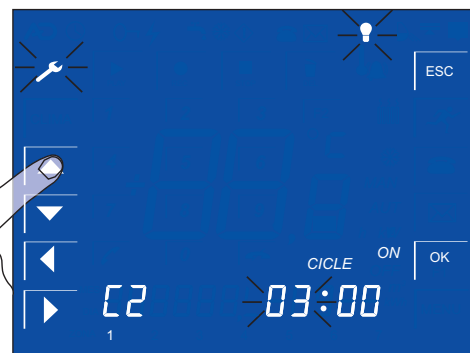


Tap the key and set the lighting switch-on hour and minute.

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 set a second cycle of automatic lighting switch-on.



Tap the key to set the second cycle start-up time and all other parameters.



Tap the 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

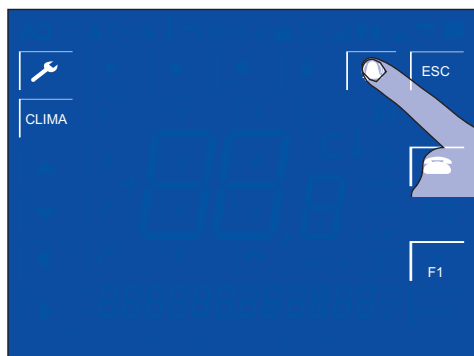
aSmart includes sensors to detect three types of alarms:

- Intrusion.
- Fire.
- Power alarm.

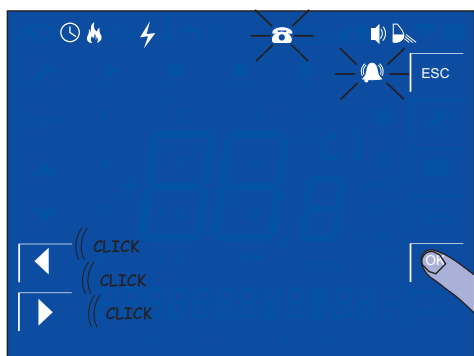
Each alarm will be connected separately, but in case of an alarm all they trigger phone calls to the 3 phone numbers previously selected by the user. In accordance with law aSmart only can be connected to personal phone number, never to emergency phone numbers.



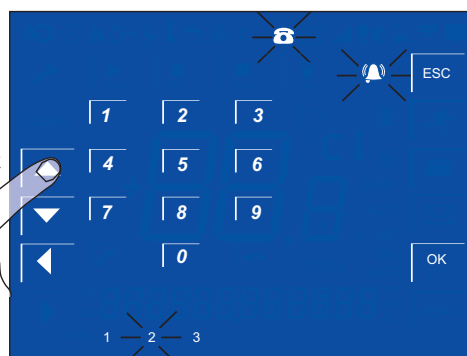
On the home screen tap the **MENU** key.



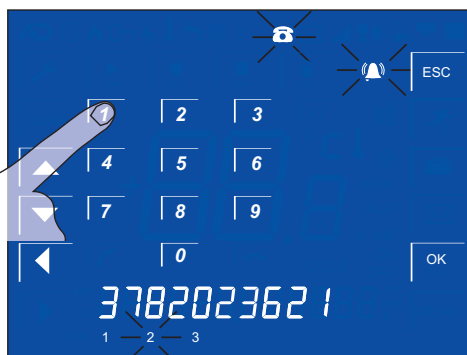
On the display tap the key.



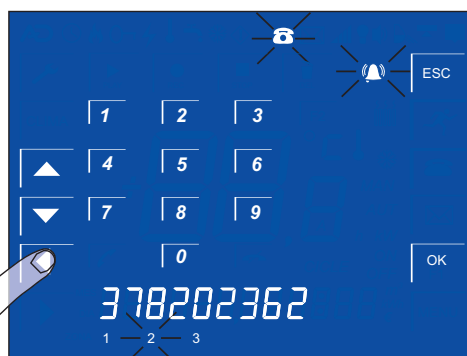
Use the keys to be positionned in the icon and tap **OK**



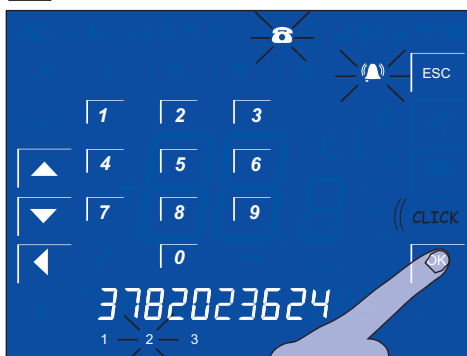
On the home screen tap to select the 1st, 2nd or 3rd warning phone number.



Enter the number you want aSmart to call in case of any incidence.



If you were wrong you can go back by tapping



Tap **OK** to save the parameters set.



INTRUSION ALARM

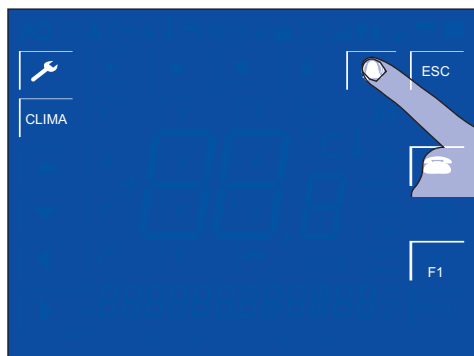
HOW TO ADJUST THE TIME OUT

aSmart intrusion alarm has got a configurable time from the moment he is detected to allow the user to enter the pass code.

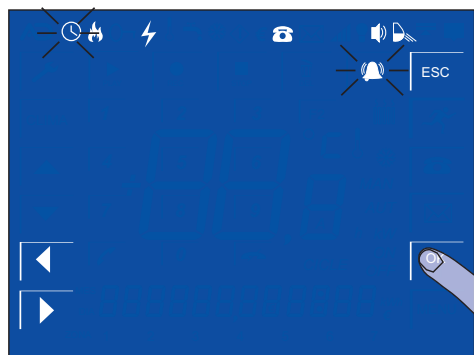
It can be set between 1 and 99 seconds.



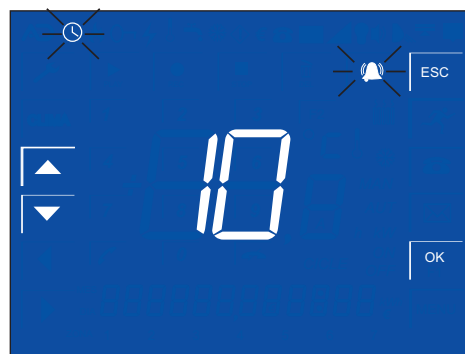
On the home screen tap the **MENU** key.



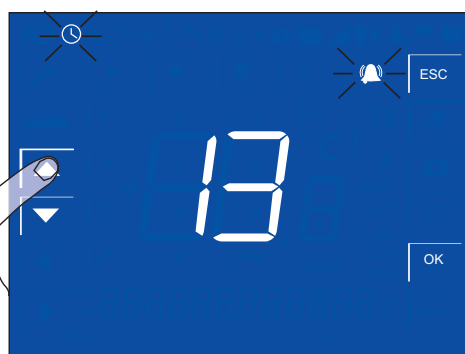
On the menu display tap the **alarm** key.



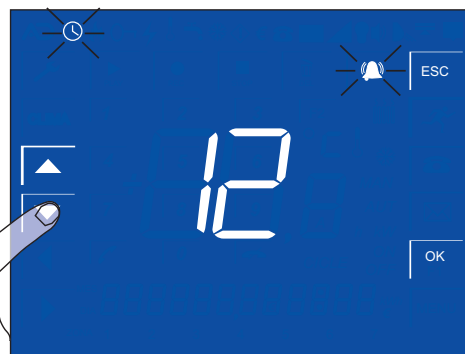
Use the **left** **right** keys to be positionned in the **clock** icon and tap the **OK** key.



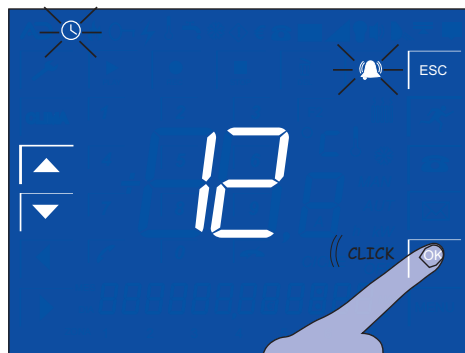
The factory default setting is 10 seconds.



Tap the **up** key to increase the timeout seconds.



Tap the **down** key to decrease the timeout seconds.



Tap the **OK** key to save the selected value.



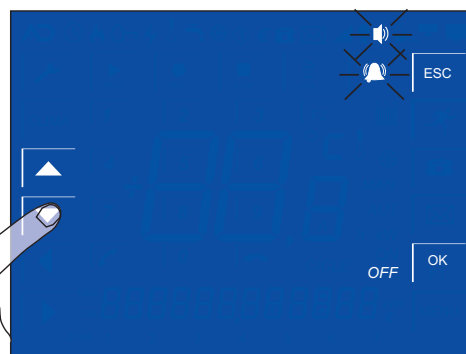
INTRUSION ALARM

HOW TO ADJUST THE INTERNAL ALARM

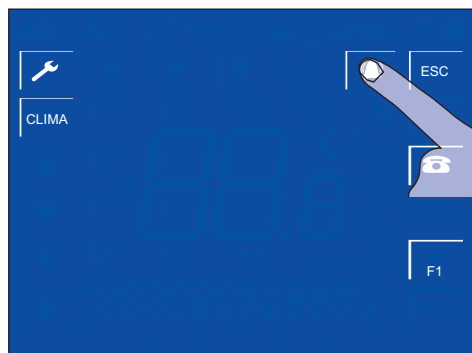
aSmart intrusion alarm includes an internal siren. This siren can be activated and deactivated by the user.



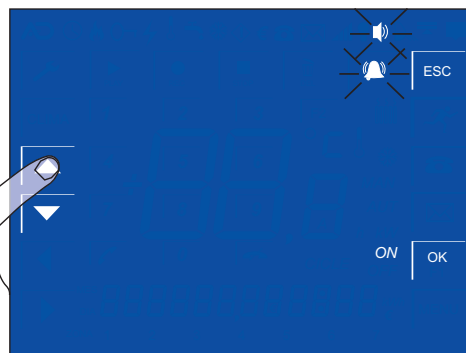
On the home screen tap the **MENU** key.



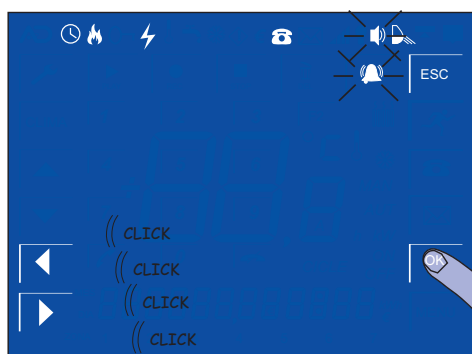
Tap the **▼** key to deactivate the siren (**OFF**)



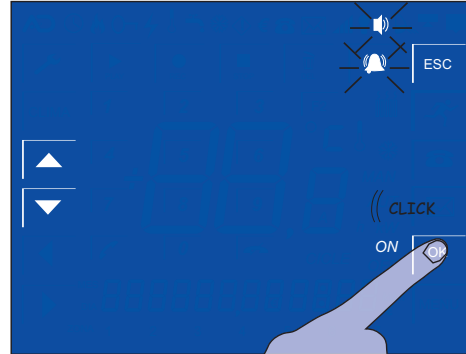
On the menu display tap the **BELL** key.



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



Use the **◀** **▶** keys to be positionned in the **BELL** icon and tap the **OK** key.



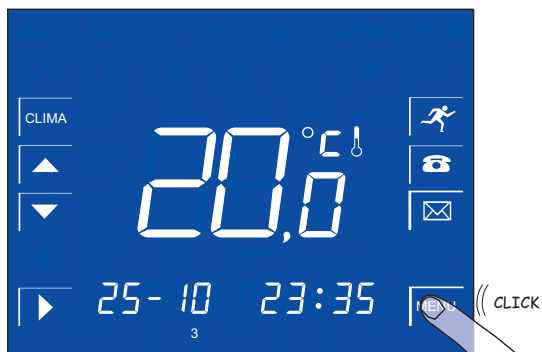
Tap the **OK** key to save the selected value.



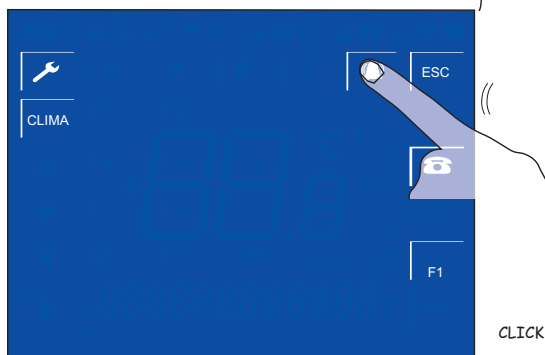
INTRUSION ALARMA

HOW TO ADJUST THE SENSOR SENSITIVITY

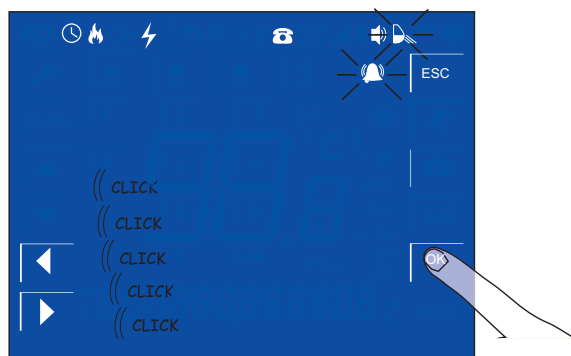
aSmart intrusion alarm includes a motion sensor. You can change its sensitivity from 1 to 10, the latter being the most sensitive and recommended. It can be used to prevent pets from triggering the alarm.



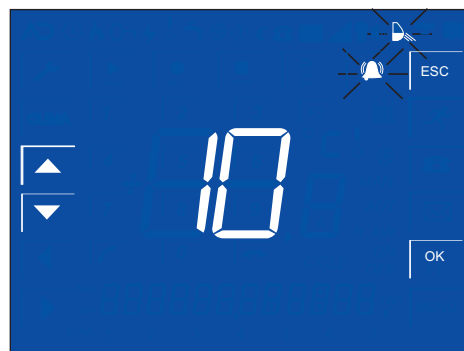
On the main screen tap the **MENU** key.



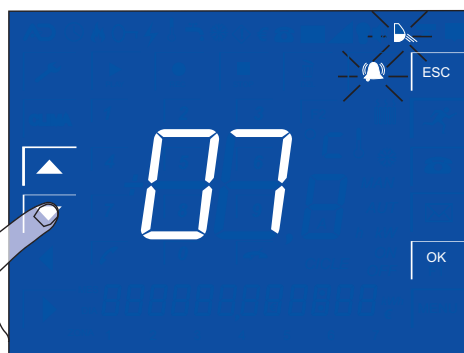
On the menu display tap the **INTRUSION ALARMA** key.



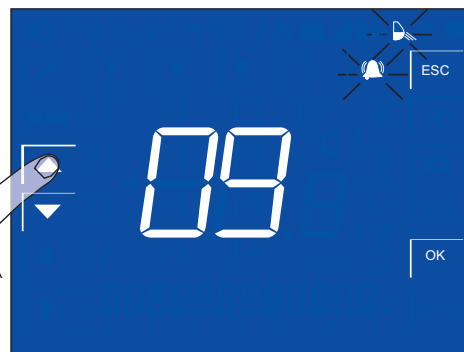
Use the keys to be positioned in the icon and tap the **OK** key.



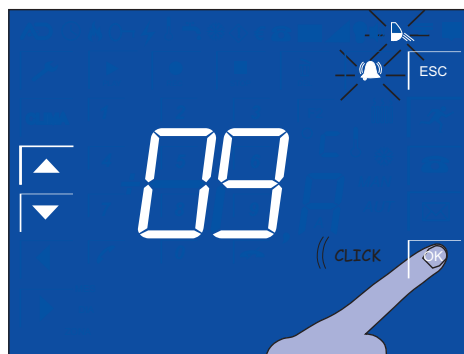
The factory default sensibility is 10 the maximum.



Tap the key to decrease the sensibility.



Tap the key to increase the sensibility.



Tap the **OK** key to save the selected value.



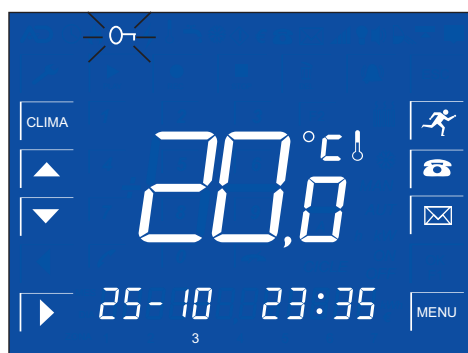
INTRUSION ALARM

ALARM ACTIVATION

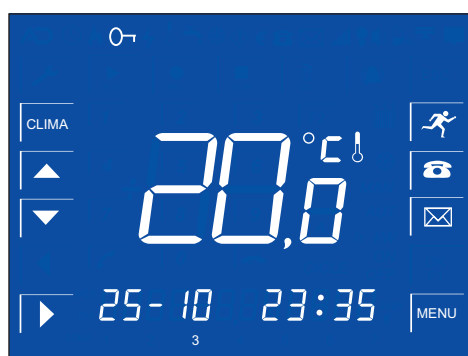
aSmart intrusion alarm includes a internal siren. Just at the touch of a button it can be activated and deactivated by the user when he leaves home.



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.

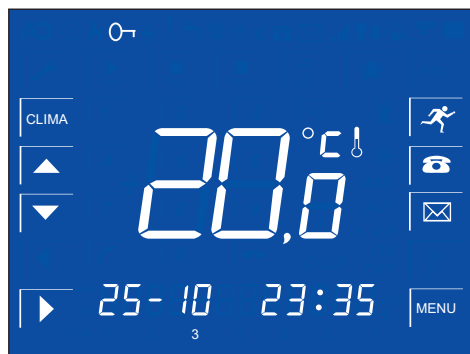


INTRUSION ALARM

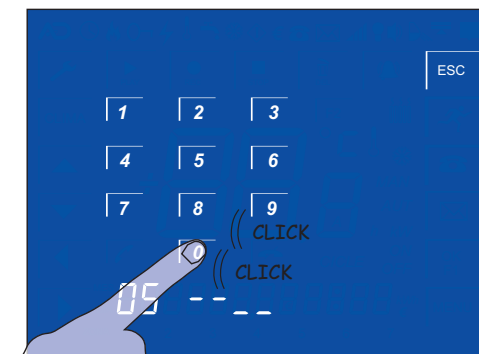
ALARM DEACTIVATION

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.

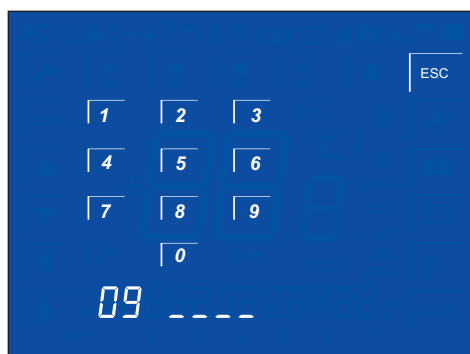
aSmart factory default passcode is "0000".



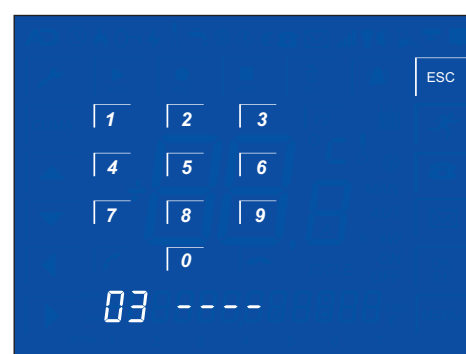
aSmart home screen with the alarm active.



Enter the key before 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 entered, *aSmart* will disconnect the intrusion alarm. But if it is not 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.

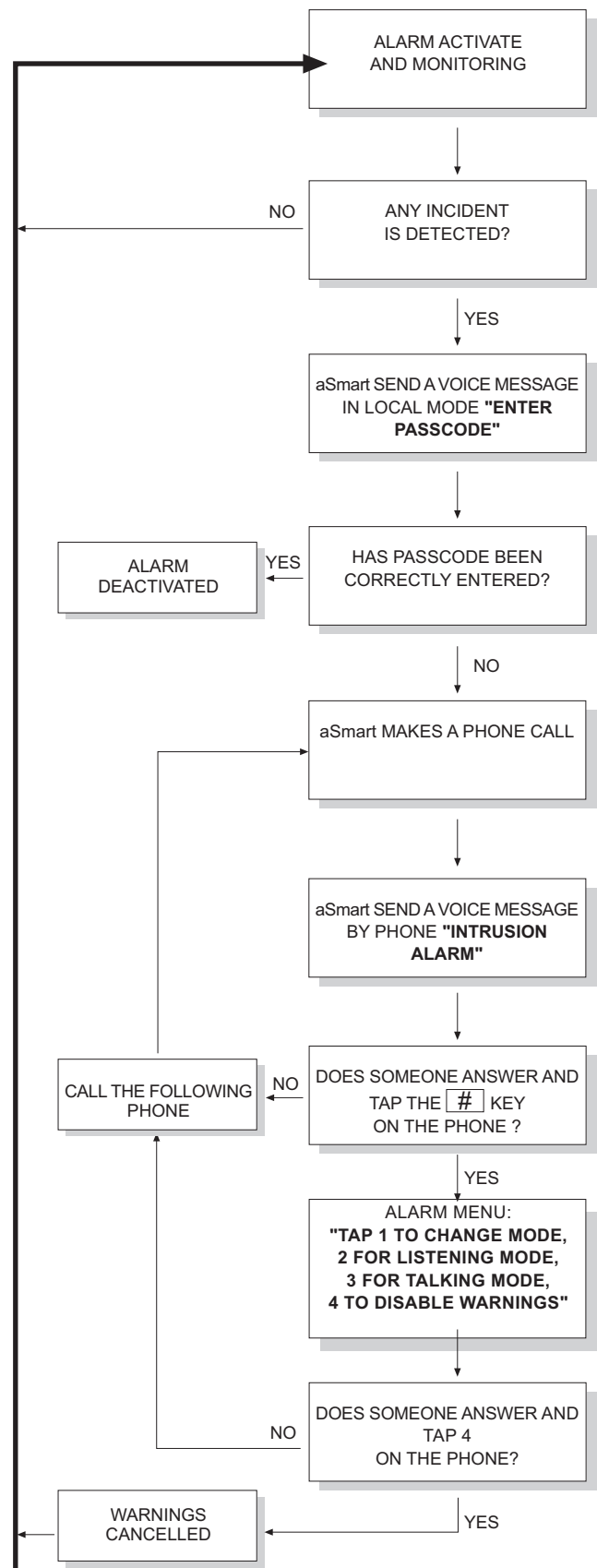
aSmart WARNS YOU OF THE INCIDENT BY PHONE

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 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





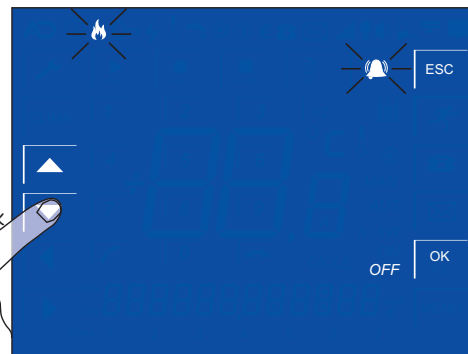
TECHNICAL ALARMS

ACTIVATE OR DEACTIVATE THE FIRE ALARM

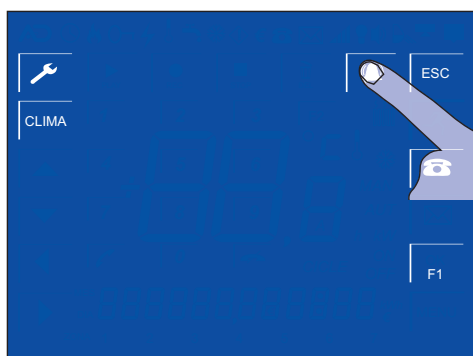
aSmart includes sensor for fire detection purposes. This feature can be activated and deactivated from the warning menu.



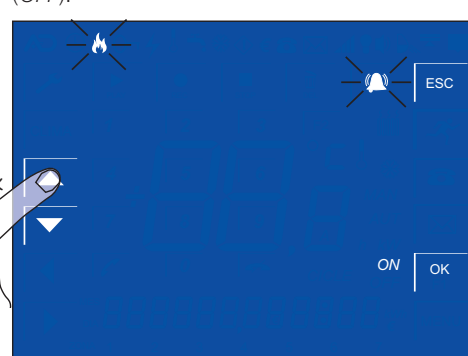
On the home screen tap the **MENU** key.



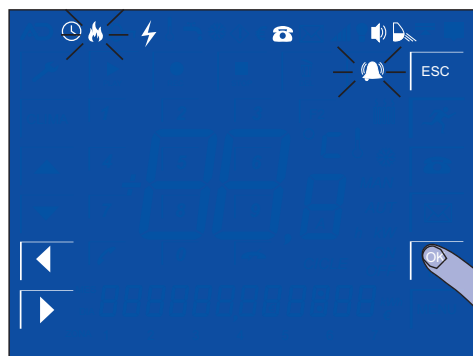
Use the keys to deactivate the fire alarm (OFF).



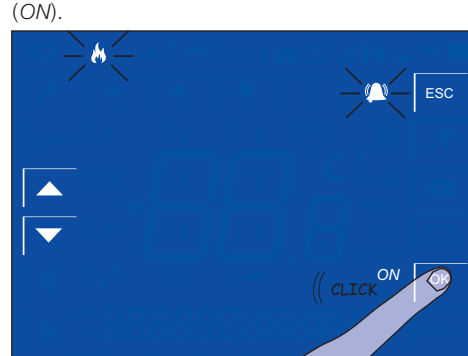
On the menu display tap the key.



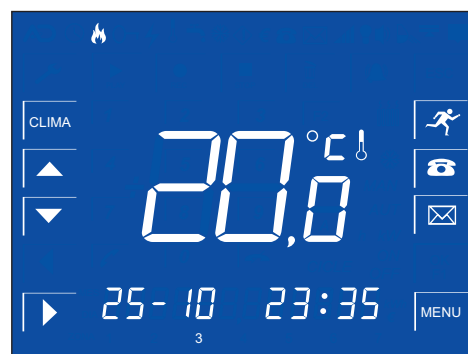
Use the keys to activate the fire alarm (ON).



Use the keys to be positionned in the icon and then tap the **OK** key.



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



Home screen with the fire alarm activated.



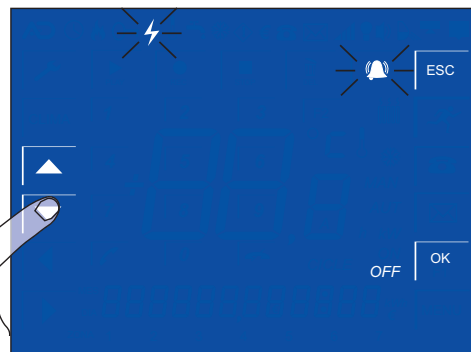
ALARMAS TECNICAS

ACTIVATE OR DEACTIVATE THE POWER FAILURE ALARM ⚡

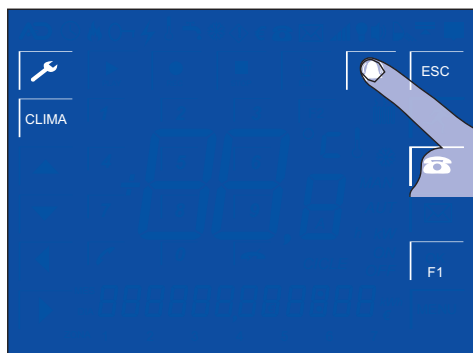
aSmart is able to detect the power outage and alert the user, as well as the reestablishment of the power supply.



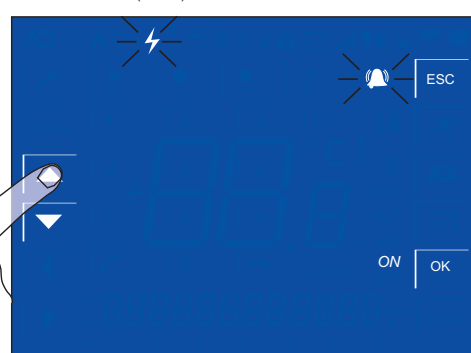
On the home screen tap the **MENU** key.



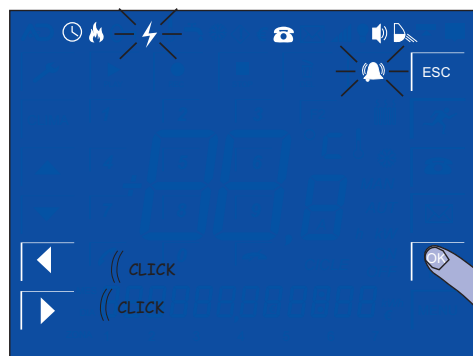
Use the **▲** **▼** keys to deactivate the power failure alarm (**OFF**).



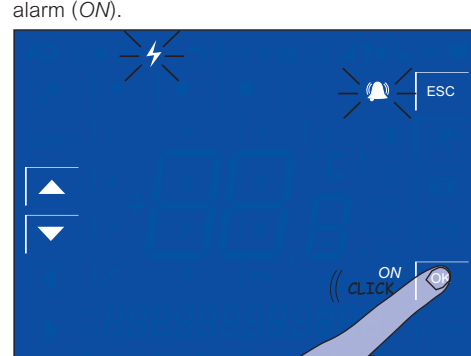
On the menu display tap the **ESC** key.



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



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



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



Home screen with the power failure alarm activated.

TECHNICAL ALARMS WHEN AN INTRUSION IS DETECTED

When an incident is detected, either fire or a power failure *aSmart* 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 not 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.

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".

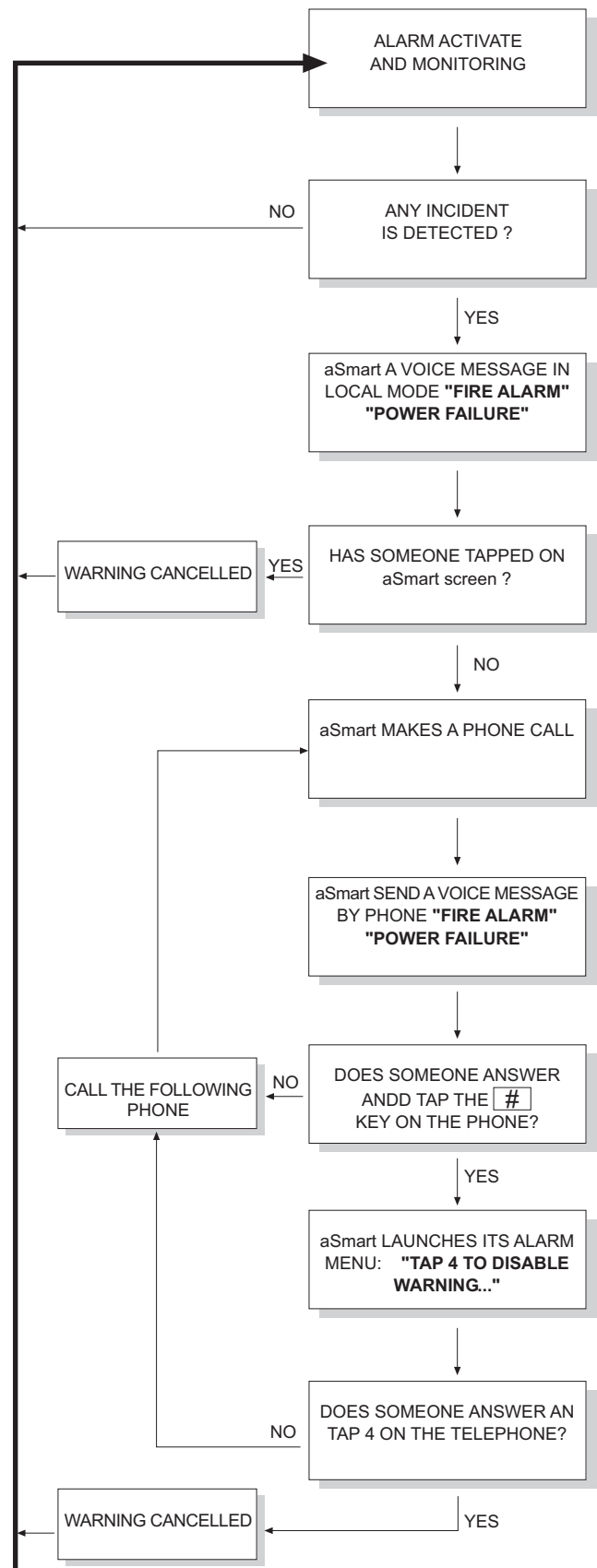
aSmart WARNS YOU OF THE INCIDENT BY PHONE

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





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 of the last 7 days.
- Record of the connection time of the heating/cooling for the last 7 days.
- Record of the power consumption of 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



Figure 2, Instantaneous consumption

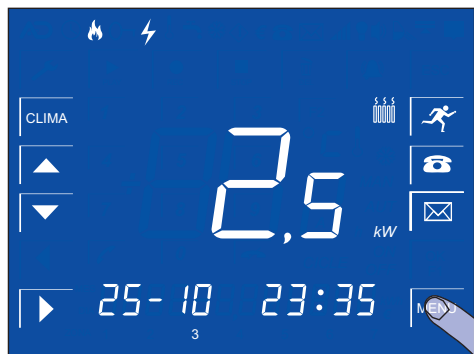


INSTANTANEOUS CONSUMPTION DISPLAY

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.

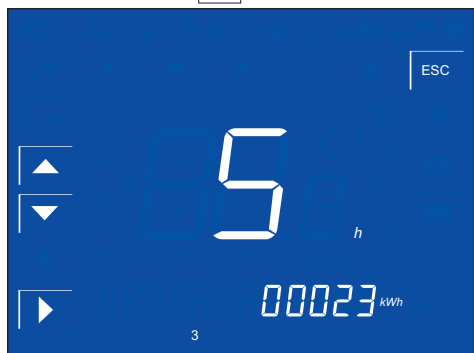
aSmart enables the user to view the energy consumption and the heating/cooling connection time accumulated for the last 12 months.



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



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



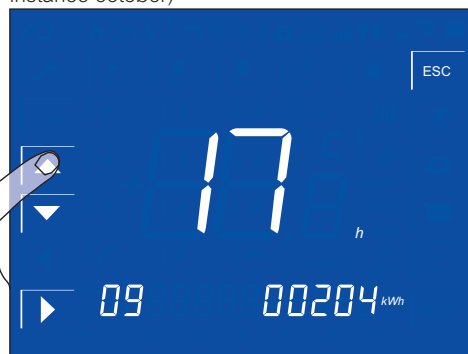
Tap the **MENU** key to advance to the monthly consumption display,



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



You will view the current month consumptions (for instance ootober)



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



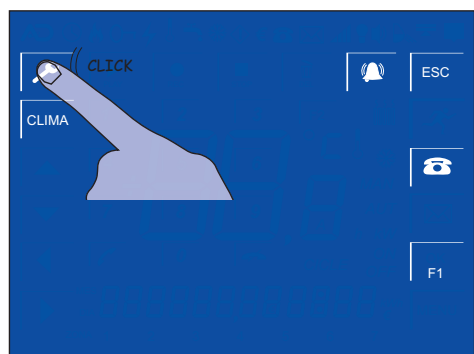
ENERGY CONSUMPTION DISPLAY

HOW TO ADJUST THE EXCESS OF CONSUMPTION WARNING SYSTEM

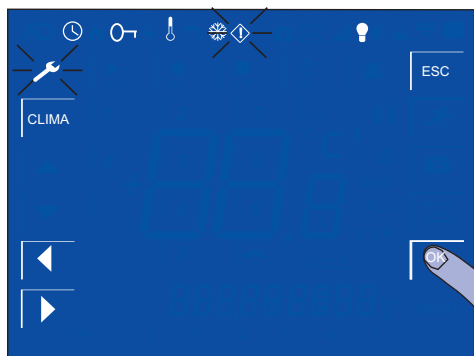
aSmart enables the user to adjust the level of consumption in kW to be warned in case of excessive energy consumption. When the value set is 0,0 kW, this means that the warning is deactivated.



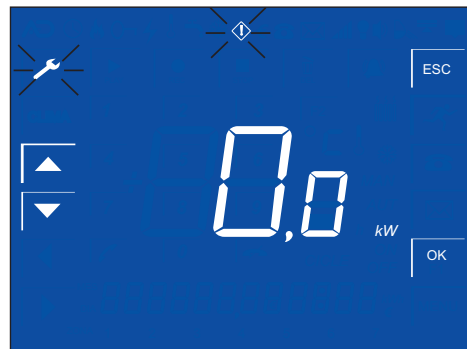
On the home screen tap the **MENU** key.



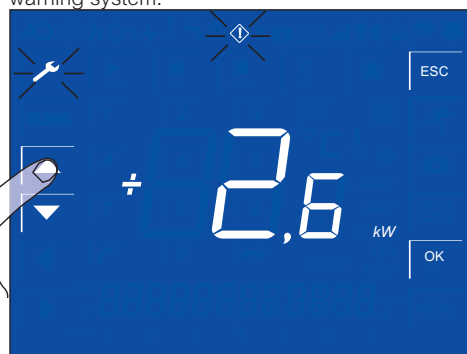
On the display menu tap the key.



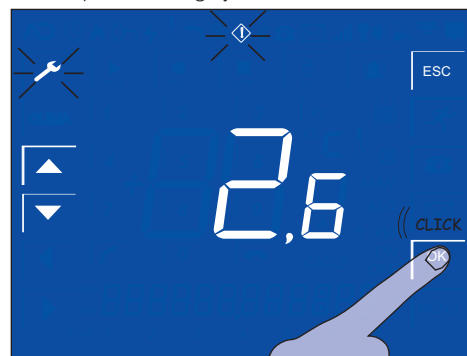
Use the keys up to be positioned in the icon and tap the **OK** key.



Adjustment display of the excess of consumption warning system.



Use the keys to adjust the excess of consumption warning system. For instance 2,6 Kw.



Tap **OK** to save the selected value.



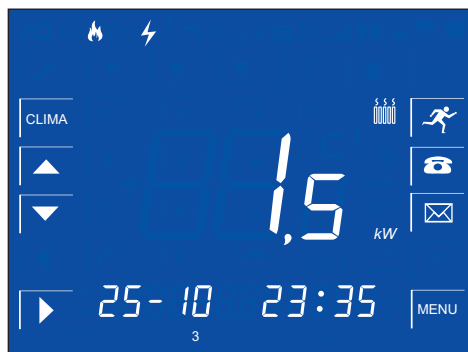
ENERGY CONSUMPTION DISPLAY

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, furthermore, the excess of consumption symbol, will be blinking . The value of energy consumption in kW will be displayed on the home screen.

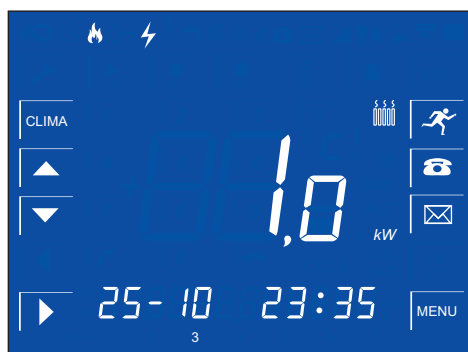
This situation will continue so long as the excessive consumption remains unchanged. As soon as the consumption decreases, system automatically returns to its normal position.



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.

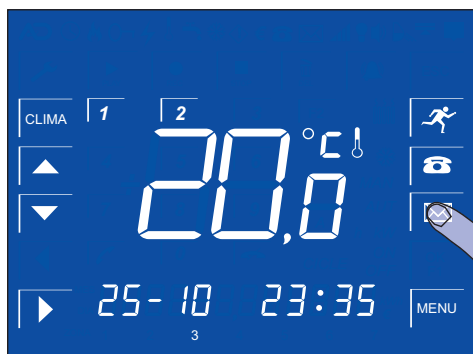


VOICE MAILBOX

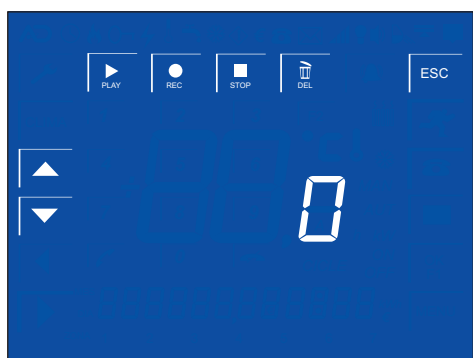
HOW TO USE THE MAILBOX

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.

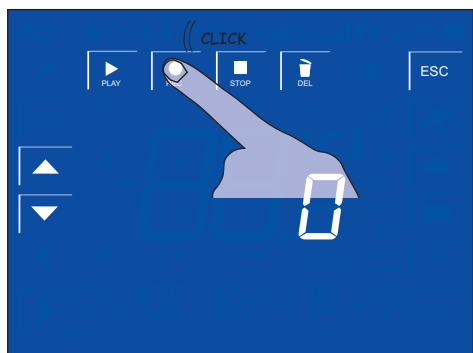
All these messages can be reproduced locally or remotely through the phone.



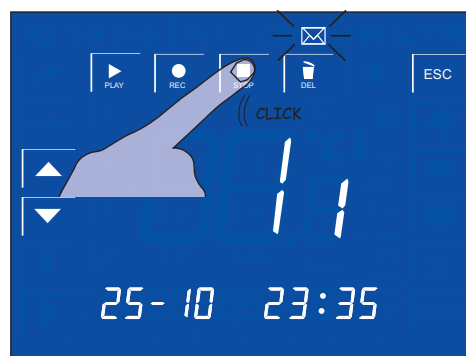
Tap the icon on the home screen.



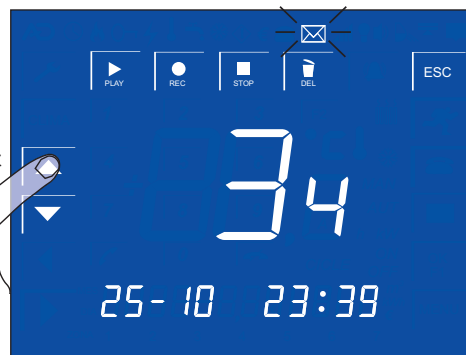
When a zero is displayed this means there are not messages recorded.



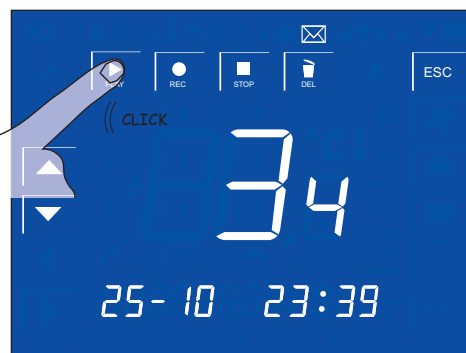
Tap the icon to record a message.



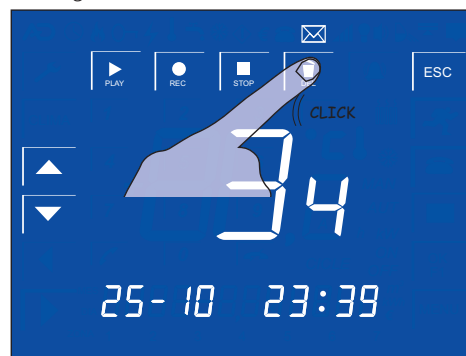
After recording the message tap the key and the icon will be blinking displaying the date and time of the recording.



Use the keys to scroll through the different messages recorded.



Use the key to reproduce the selected message.



Use the key to delete the selected message.

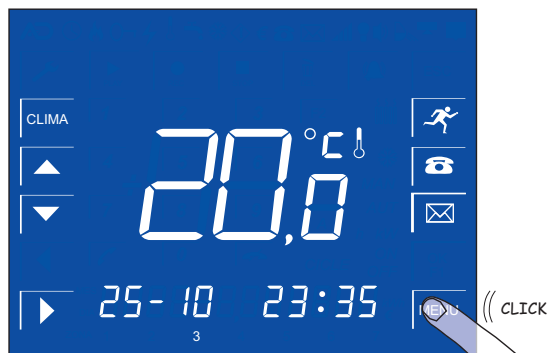


ANSWERING MACHINE

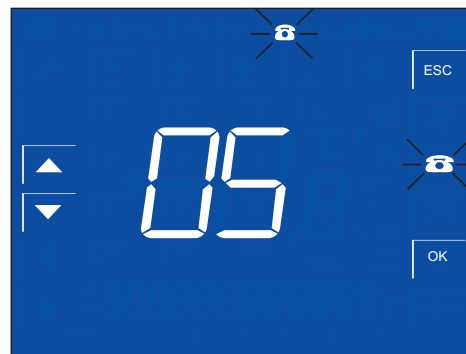
HOW TO ADJUST THE NUMBER OF RINGS OF THE ANSWERING MACHINE

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. these messages include both messages recorded in the answering machine and those locally recorded

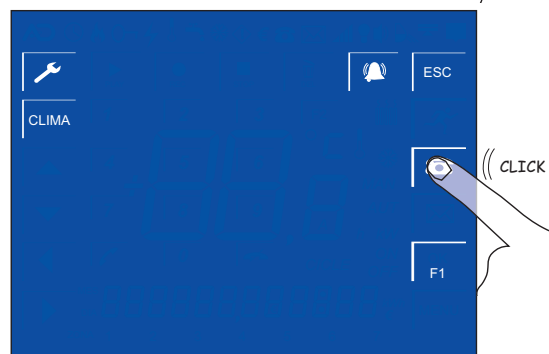
All these messages can be reproduced locally or remotely through the phone. The locally reproduction has already been explained in the operating mode of the Voice mailbox.



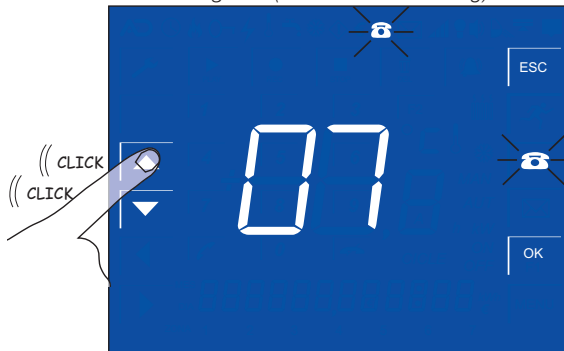
On the home screen tap the **MENU** key.



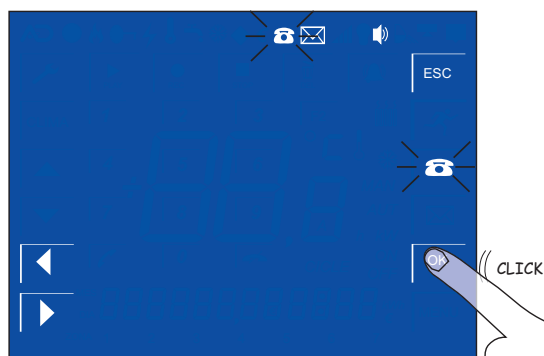
Indicates the number of rings aSmart will answer an incoming call. (For instance. 5th ring)



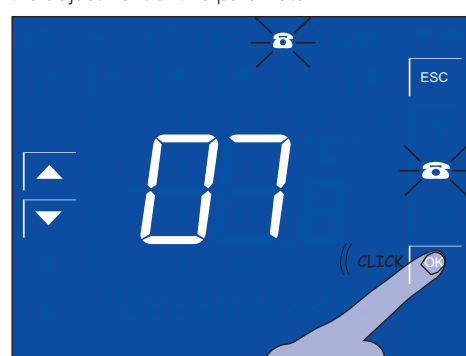
On the menu display tap the key



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



Use the keys up to be positionned in the icon and then tap the **OK** key.



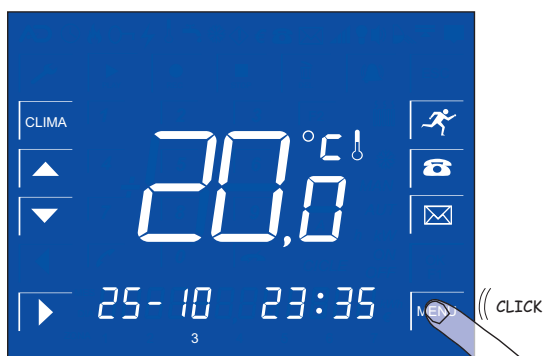
Use the **OK** key to save the value selected.



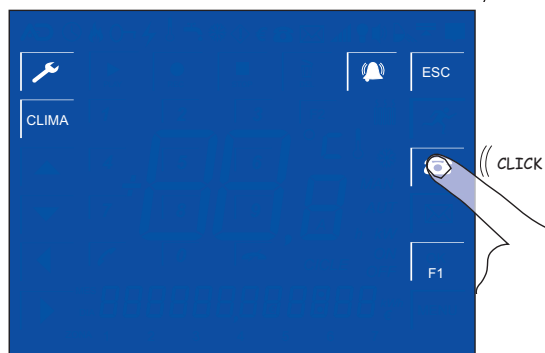
ANSWERING MACHINE

HOW TO RECORD A NEW OUTGOING MESSAGE

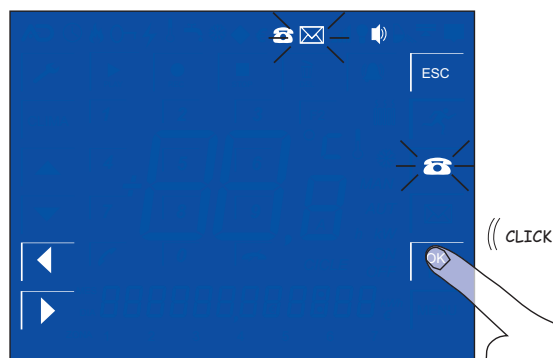
When you call to the house and *aSmart* will answer the call after the number of rings previously defined. At this time the answering machine will play the outgoing message. *aSmart* includes a factory default message (number 1) and you can also record your own greeting message (number 2), you can select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



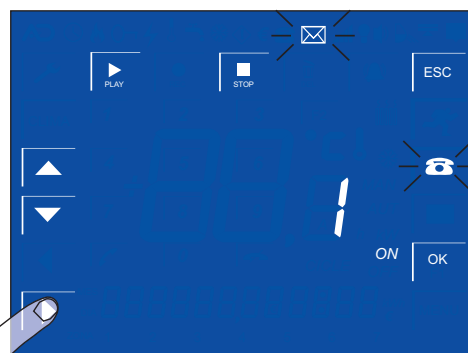
On the main screen tap the **MENU** key.



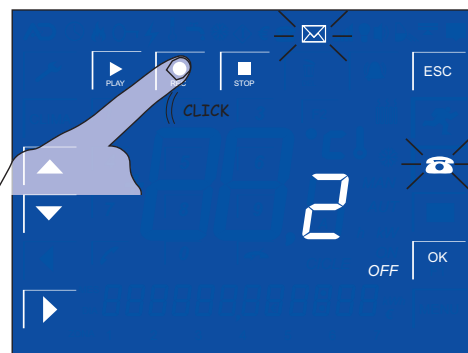
On the menu display tap the key.



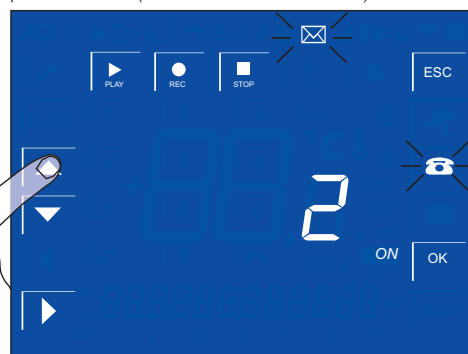
Use the keys to be positionned in the icon and then tap the icon and the tap **OK**



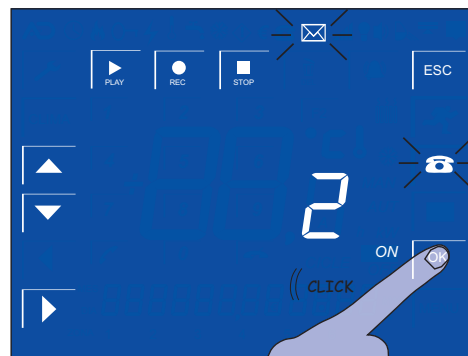
The factory default message number 1 has been selected (ON). Tap the key to advance to message number 2



Tap the 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.



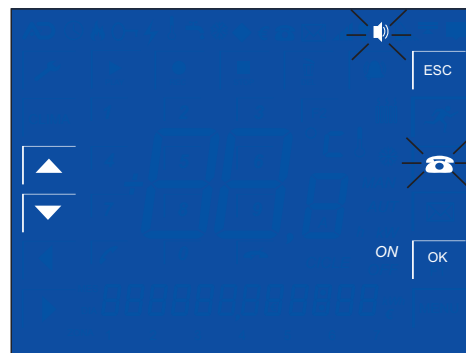
ANSWERING MACHING

HOW TO ADJUST THE VOLUME LEVEL FOR THE PHONE RINGER

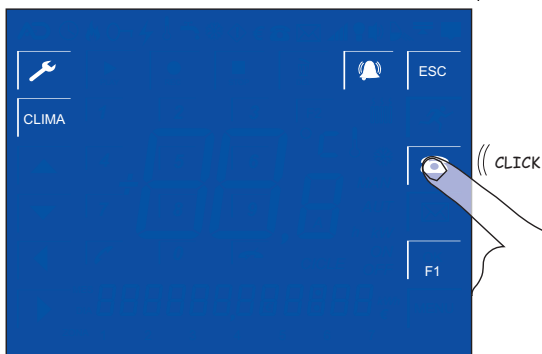
When aSmart receives a phone call, it emits a ring tone that can be activated or deactivated by the user. Usually there are other phones in the house and when a call is received all the phones ringing at one time might be really annoying.



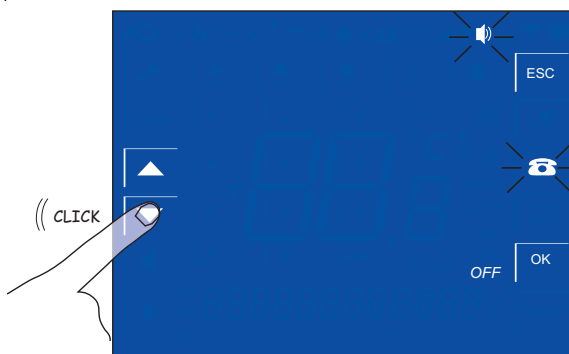
On the home screen tap the **MENU** key.



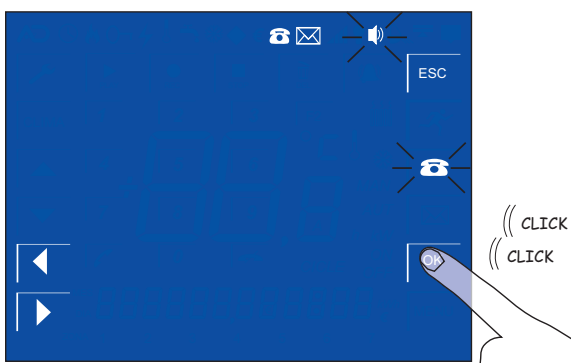
The volume of the ring is activated (**ON**)



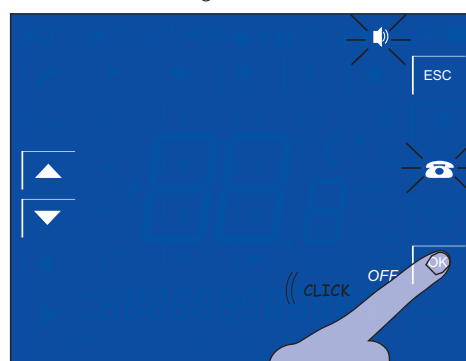
On the display menu tap the **PHONE** key.



Use the keys to select (**OFF**) to deactivate the volume of the ring.



Con las teclas nos posicionamos en y pulsamos **OK**



Tap **OK** to save the selected value.



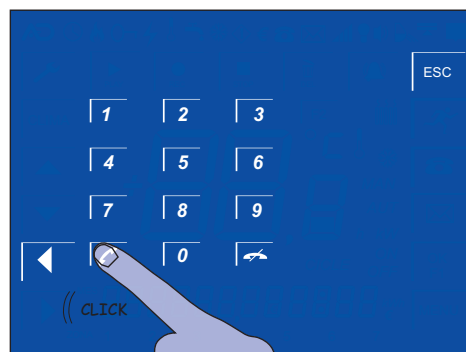
TELEPHONE

HOW TO MAKE AND ANSWER A CALL

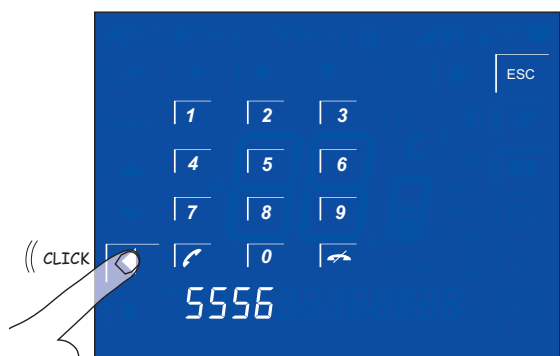
aSmart también operates as a hands-free telephone. You can make and answer calls. In the same way, you can decide not to answer and use *aSmart answering machine* to pick up the call.



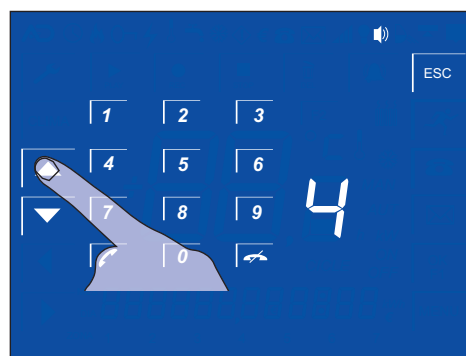
On the home screen tap the key.



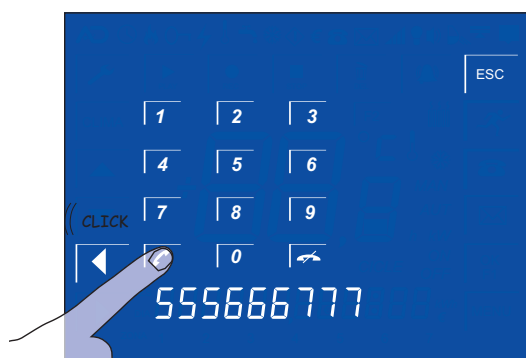
When you receive a phone call, the phone screen will be displayed automatically. Tap the key to answer this call.



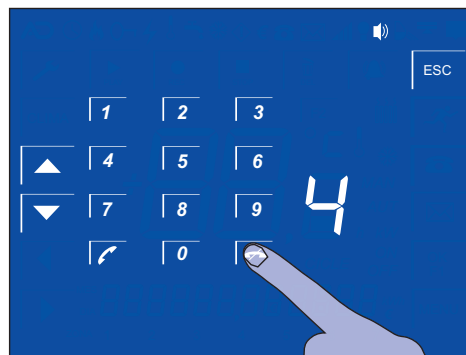
Enter the phone number you wish to call. If you were wrong you can delete by tapping the key.



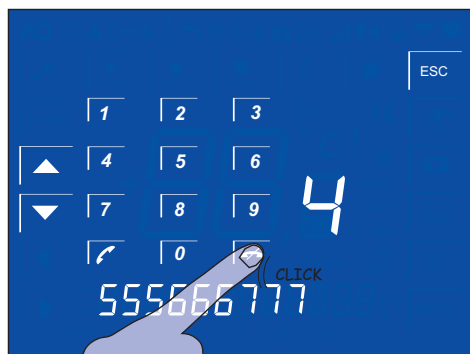
While in a call, you adjust the volume by tapping the keys.



To make a call tap the key.



To finish the call tap . aSmart will return to the home screen.



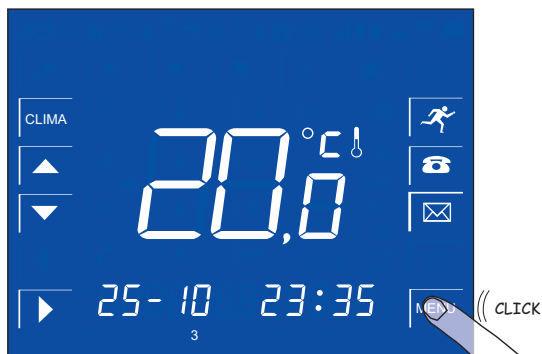
To finish the call tap the key.



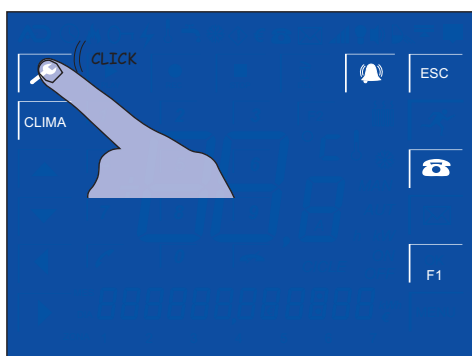
ADJUSTMENTS

HOW TO ADJUST DATE AND TIME ⌚

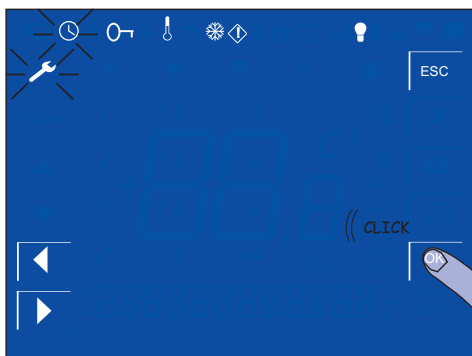
The date and time adjustment are necessary to program the heating, the presence simulation, and the voice mailbox.



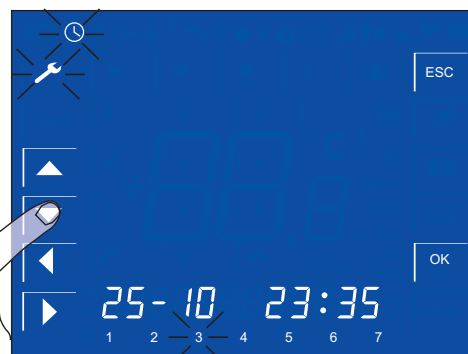
On the home screen tap the **MENU** key.



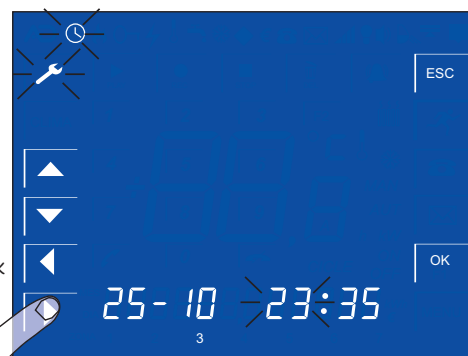
On the menu display tap the **WRENCH** key.



Use the **LEFT** **RIGHT** keys up to be positioned in the **⌚** icon and then tap the **OK** key.



Use the **UP** **DOWN** keys to select the day.



Use the **LEFT** **RIGHT** keys to scroll through the different fields (day, month, hour and minutes) and use the **UP** **DOWN** keys to adjust the value of the parameters to be modified.



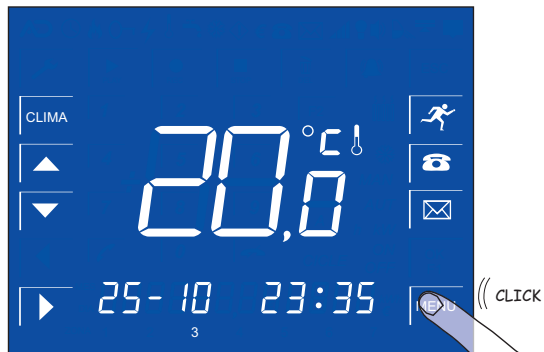
Tap the **OK** key to save the selected values.



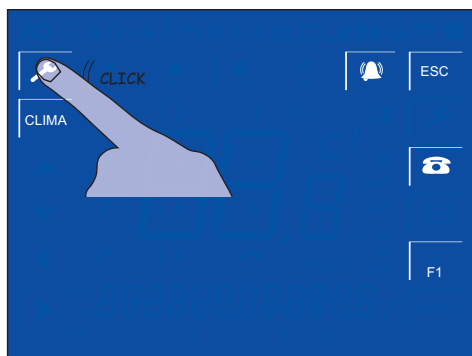
ADJUSTMENTS

HOW TO ADJUST THE PASSCODE

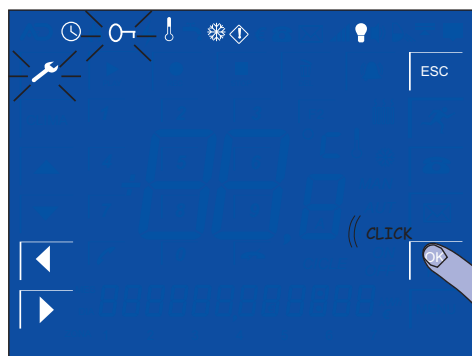
aSmart has a passcode for the intrusion alarm and for remote access to your system. The **factory default passcode** is "0000". To change this passcode you should proceed as follows:



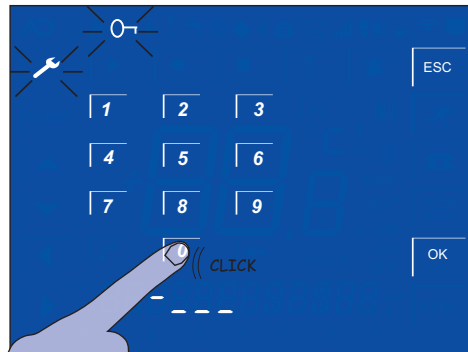
On the home screen tap the **MENU** key.



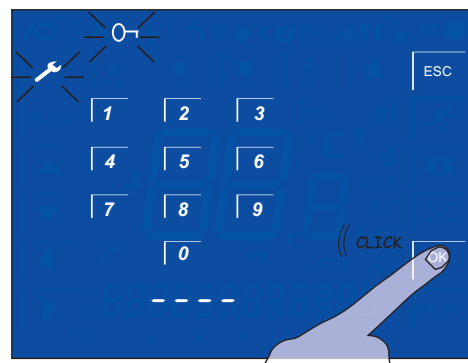
On the menu display tap the **key** key.



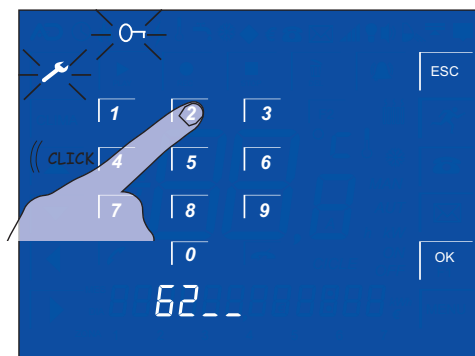
Use the **◀ ▶** keys up to be positionned in the icon and the tap the **OK** key.



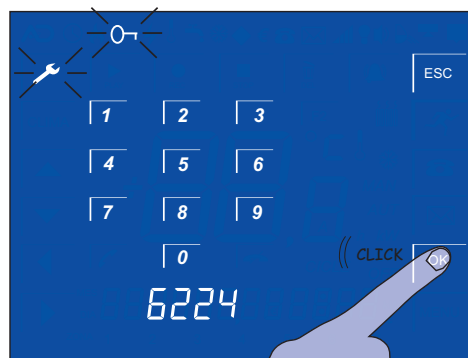
Enter the passcode (*the first time is "0000"*).



Tap the **OK** to validate the key.



Enter the new 4 digits passcode.



Tap the **OK** key to save the new key.

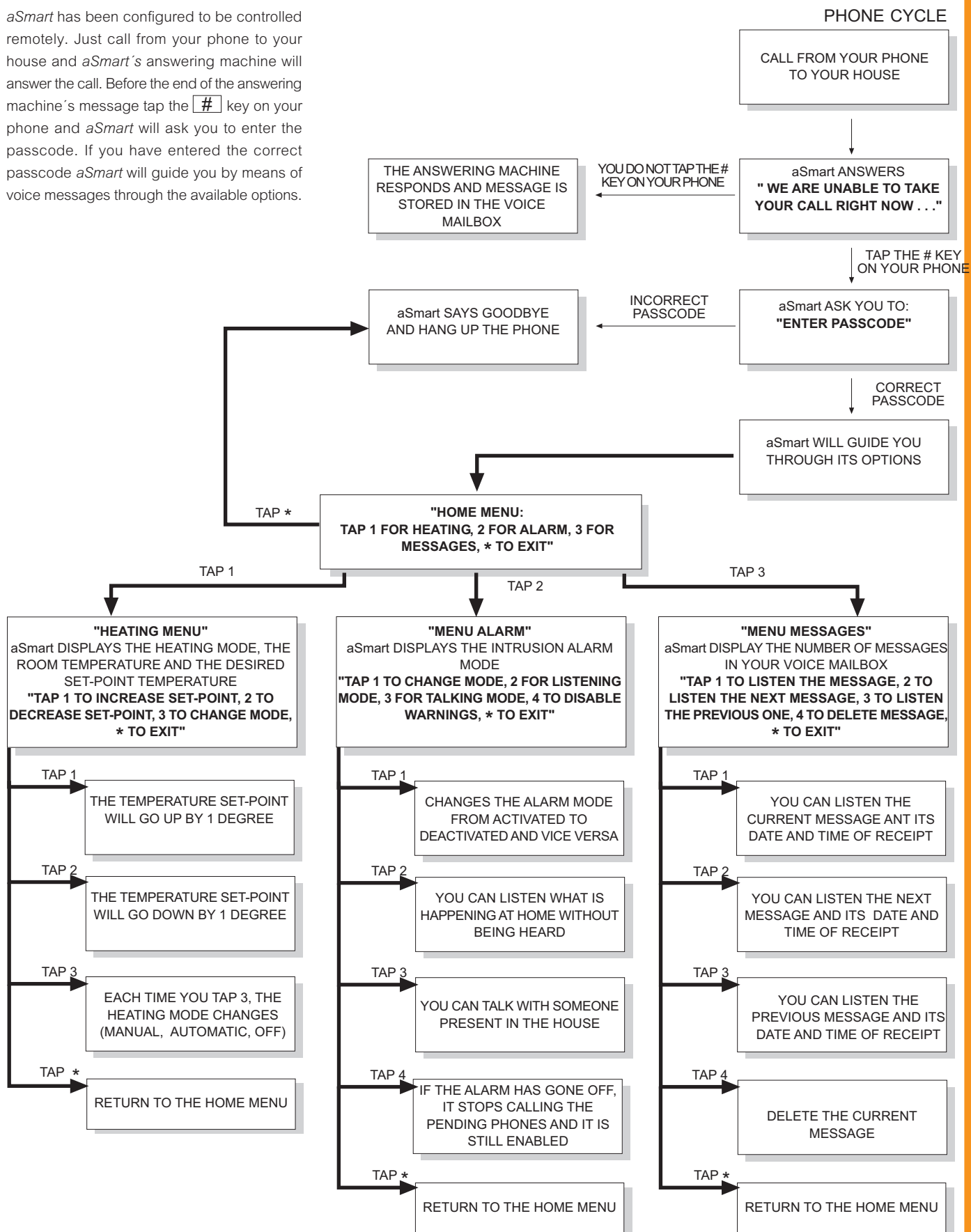
**REMEMBER TO KEEP IT IN A SAFE PLACE
TO RECOVER IT IN CASE YOU FORGET IT.**



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.



NOTES

SYSTEM FEATURES

The features 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 necessary 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 as 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 through 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.

