This Fast guide is a reduced version of *aSmart* user´s Manual. For more information about the unit's operation mode visit our web site at: www.avanzaengineering.com

INSTALLATION RECOMMENDATIONS

The protections and connections of the *aSmart* system to the electricity and telephone networks must be carried out by a professional, in line with current standards and legislation.

aSmart must only be connected to a 230 Vac/50Hz single-phase network.

The relay contacts controlling the heating and lighting are dry loop.

aSmart includes protection against voltage surges induced on the telephone line. However, we recommend external protections be installed when the *aSmart* is placed in locations susceptible to storms or electrical atmospheric activity.

Ensure that the installation is correct before turning the *aSmart* on.

The connection can easily be carried out using the pluggable terminals.

For homes which already have a thermostat device installed, the old thermostat will be replaced with the *aSmart*.

aSmart should be located in an easily-accessible place which enables the alarm to be activated when leaving the house and enables the presence sensor to carry out its function.

RECOMMENDATIONS FOR USE

Once *aSmart* is installed, you will immediately have access to all functions included. We recommend you program all functions and telephone numbers as soon as the system is turned on. We also recommend you make a note of access codes and keep them in a safe place, which can be accessed in case you forget them.

Predefined factory default access code is a 4- digit code "0000".

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aSmart is a home automation system which includes the following functions:

Intrusion alarm

This efficient alarm system means no additional cost for homeowners as it is managed by the users themselves and therefore avoids the need to pay fees for connection to an alarm-receiving centre or maintenance fees. In the event of an alarm, the system will call the 3 telephone numbers you have previously selected and will notify you of the situation with an "intrusion alarm" message. As the system also has a talk/listen-in feature, you can listen in to what is happening inside your home and deter the intruder.

Fire alarm

aSmart includes a thermovelocimetric sensor for fire-detection purposes. In the event of an alarm, the system will call the 3 numbers you have previously selected and will notify you of the situation with a "fire alarm" message.

Power failure alarm

aSmart includes a system for detecting power failures. In the event of an alarm, the system will call the 3 numbers you have previously selected and will notify you of the situation with a "power failure" message.

Alarm warnings in case of high energy consumption

aSmart monitors constantly the power consumption and an intermittent beeping sound will alert the user when power usage exceeds the configured power threshold.

Visualization of power consumptions

aSmart can display the instantaneous power consumption, as well as the record of the power consumption for the last 7 days and 12 months, in order to help you to make your home more energy efficient.

Timer for the heating system

aSmart is fitted with a timer for the heating system and remote access to it. With a simple call to the system, you will be informed of the heating status (on or off) and the temperature in your home.
You can turn the heating system on or off, and increase or reduce the temperature in your house from any telephone. In addition to providing a high level of comfort, this system also offers significant energy savings as you will never have the heating on when it is not needed.

Lighting system control and presence simulation

aSmart is fitted with a timer for the lighting system. When leaving the home the user will be able to disconnect all lights or leave them in automatic mode simulating the presence when he is on holidays. This system offers significant energy savings as the user will be certain that there are no lights on when he leaves the house.

Local messages recorder

You can record messages, letting people know that you have gone shopping; to the cinema or that you will be home late, and without having to write it on that piece of paper that can never be found.

Telephone and answering machine

aSmart operates as a hands-free telephone. You can receive and make calls, write down an address while you are talking *aSmart* also has an automatic answering machine function, so anyone can leave you a message when you are not at home.

Telephone control

All of the functions included in the *aSmart* system can be managed remotely from any telephone. *aSmart* allows you to access your heating system, alarm, messages etc., from outside the home using any telephone (from the car, from work, you can activate the alarm when you are on holiday if you forgot to do so when you left, you can turn the heating off if you are late home or listen to messages left).

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SCREENS DESCRIPTION

HOME

On your home screen, *aSmart* shows you the current date and time as well as the *aSmart* operating modes. *aSmart* also displays the room temperature and the heating status (figure 1) or the instantaneous power consumption (figure 2). To change from one view to the other one, tap the temperature or the consumption digits.

If heating is connected you will see the following icon 🔥.

If you have some new messages in your voice mailbox, you will see the ✉ icon.

If the intrusion alarm is connected you will see the ⊙ icon. When it is blinking, it means that the alarm is currently starting.

If the Fire or the Power Failure alarms are activated you will see the "Fire" 🔥 or the "Power Failure" ⚡ icons.

When the 💡 icon appears onscreen, lighting will be off; when it is blinking it is in automatic mode (presence simulation). When the   icon does not appear, lighting control will be deactivated.

From your HOME screen you can perform the following functions:

- To change the heating mode, by using the CLIMA icon (Manual, Automatic, OFF).
- To change the lighting mode, by using the right ▶ arrow (Manual, Automatic, OFF).
- To adjust the desired set point temperature by tapping the up ▲ or down ▼ arrows. The current set point temperature will be displayed and you will be able to adjust it.
- To activate the intrusion alarm, by tapping the 🏃 icon then the ⊙ icon will appear blinking. When it stops blinking, the alarm will be activated.
- To access your voice mailbox by tapping the ✉ icon. You will be able to look up and listen to all of your current messages using the ▶ PLAY icon, to delete them 🗑 DEL or to record new messages using the ● REC icon.
- To access your telephone by tapping the ☎ icon. It will appear the telephone keypad; just dial the phone number you would like to call. Tap the call 📞 icon. When you finish your conversation, tap the hang up 📞 icon.
- To configure *aSmart* device through the MENU icon when temperature is being displayed (figure 1) and to see the record of the power consumption for the last 7 days and 12 months when power consumption is being displayed (figure 2).

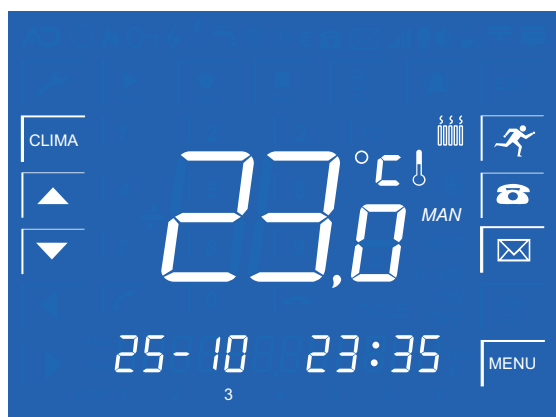Your *aSmart* device will back to HOME screen if it remains untouched for 30 seconds.
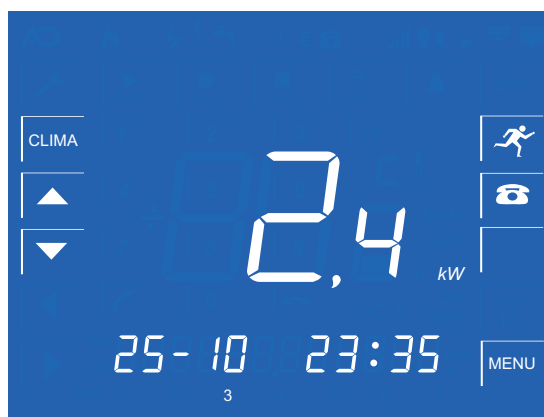

Figure 1

Figure 2

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MENU

aSmart Menu has been designed to enable an intuitive use. This screen gives you access to the functions:

- Heating: Tap `CLIMA`
- Alarms: Tap 🔔
- Answering Machine: Tap ☎
- Adjustments: Tap 🔧

MENU / HEATING `CLIMA`

In this option you will be able to see the ON/OFF daily cycles for each week day. Use the right ▶ and left ◀ arrows to select the option you want to adjust, and use the up ▲ or down ▼ arrows to make an adjustment. When you have finished you can record everything taping on the `OK` icon.

MENU / ALARMS 🔔

- Seconds in wait 🕐: waiting time measured in seconds since the moment the device detects you until you have correctly entered your pass code.
- Fire alarm 🔥: You can activate or disable the fire alarm.
- Power failure alarm ⚡: You can activate or disable the Power Failure alarm.
- Warning Telephones ☎: telephone numbers of three persons who may be contacted in the event of an alarm situation.
- Internal alarm 🔊: You can activate or disable the alarm.
- Sensitivity ◐: Sensitivity range of the sensor of presence for detection of motion, use the right ▶ and left ◀ to select the option you want to adjust and we make the adjustment by taping `OK`.

Use the right ▶ and left ◀ arrows to select the option and we make the adjustment by taping `OK`.

MENU / ANSWERING MACHINE ☎

On this screen you will be able to change settings on the answering machine:

- Number of Rings ☎: number of rings before your answering machine picks up.
- Outgoing message ✉: you will be able to listen the pre-recorded voicemail message (nº 1) or record a new one (nº2) using the answering machine icons `PLAY` , `DEL` , `REC` . You will be able to choose the option you prefer, using ▲ or ▼ to select "ON," we confirm the adjustment by taping `OK`.
- Volume of the Rings 🔊: You can enable or disable the ringing on the phone.

and left ◀ arrows to select the option and we confirm the adjustment by taping the `OK`.

MENU / ADJUSTMENTS 🔧

This screen gives you access to the following parameters:

- Date and Time 🕐: you set the current date and time.
- Pass Code 🔑: you can change the current pass code. This is used to disable the alarm and get access to the phone functions. The factory default pass-code is "0000".
- Temperature 🌡: the temperature probe may be calibrated.
- Anti-freeze Protection ❄: this function has been configured to activate the heating when it is in automatic mode and out of the timeslot and temperature decreases reaching the configured anti-freeze temperature.
- High power consumption ⊘: you can set a power consumption threshold (in kW) in order to be locally alerted when the power consumption exceeds the set threshold. If you do not set a warning threshold, leaving the power consumption at 0,0 kW you will not receive the warning message.
- Lighting 💡: You can see ON/OFF daily cycles for each week day. Use ◀ and ◀ to select the option you want to adjust, and use the up ▲ or down ▼ arrows to make an adjustment

Use the right ▶ and left ◀ arrows to select the option and we confirm the adjustment by taping `OK`.

MENU POWER CONSUMPTIONS VISUALIZATION

When power consumption is being displayed (fig. 2) tap the `MENU` to access this screen. On this screen will be displayed the record for the power consumption in kW as well as the record of the connection time of the heating for the last 7 days and 12 months. To change from days to months, tap the right ▶ arrow icon, and use the up ▲ or down ▼ arrows to move through days or months.

REMOTE ACCESS TO aSmart

We call home

Voicemail greeting:" We cannot take your call at this moment but please ..."

While you are listening to the voicemail greeting, tap the "#"on the telephone you are calling from.

aSmart will then ask you to enter your 4 digit pass code "enter the pass code". 0000 is the factory default pass code

If the pass code is correct, you will access to the main menu which has 3 submenus

Tap

1	for heating	2	for alarm	3	for messages

1	menu heating

If you have chosen option 1 *aSmart* will inform you of the heating mode, the temperature inside the house, and the programmed temperature.

1	Increase temperature	If heating is in manual mode, each time you tap number 1, the temperature set point will go up by 1 degree, and the system will inform you of such changes.
2	Decrease temperature	If heating is in manual mode, each time you tap number 2, the temperature set point will go down by 1 degree, and the system will inform you of such changes.
3	Change mode	Heating can be in OFF, Manual or Automatic mode. Each time you tap number 3 on the phone, the heating mode will be changed.
*	Exit	You return to the main menu.

2	menu alarm

If you have chosen option 2 *aSmart* will inform you of the Alarm mode (activated/deactivated).

1	Change mode	Alarm mode will be changed (activated/deactivated).
2	Listening mode	enables you to listen, without being heard, to anyone who has entered into your house.
3	Talking mode	enables you to listen and talk to anyone who has entered into your house
4	Disable Warnings	You can disable your pending alerts to the previously selected numbers, and then you leave the system.
*	Exit	You return to the main menu.

3	menu messages

If you have chosen option 3 *aSmart* will tell you if you have any message

1	Listen to messages	by taping 1 you can listen to the first message as well as its date and time.
2	Listen to the next message	by taping 2 you can listen to the next message
3	Listen to the previous message	by taping 3 you can listen to the previous message
4	Delete messages	by taping 4 you can delete the last message you have listened to
*	Exit	You return to the main menu.

AV-0001-GRUW Rv000

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INTRUSION ALARM: CONNECTION

To active intrusion alarm on your home screen, tap the ⛹ icon. You will see the ⊙ icon blinking. When *aSmart* sensor does not detect your presence anymore, alarm will be activated (the ⊙ icon will remain dark).

INTRUSION ALARM: DISCONNECTION

When you come back home, if the intrusion alarm is connected, *aSmart* will detect you and it will automatically display the access code screen, asking you to enter your access code. You only need to enter your access code and if you have correctly entered it, the alarm will be disabled. A timer at the top of the screen will show you the time you have left to enter it.This time can be adjusted in the MENU/ ALARMS 🔔/seconds in wait 🕐.

TECNICHAL ALARMS: ACTIVATE AND DEACTIVATE

aSmart has two technical alarms: Fire 🔥 and Power Failure ⚡ (power outage). To activate or deactivate any of them simply on your HOME screen tap the MENU icon. There you tap the 🔔 icon and all options available will be displayed at the top of the screen. Use the left ◀ and right ▶ arrows to select your desired option, and then you tap the OK icon. You will see the status of each of them: Activated (ON) or Deactivated (OFF). Use the up ▲ or down ▼ arrows to change those modes, to record it tap the OK .

ALARMS: WARNING CALL IS RECEIVED

In the event of an intrusion or technical alarm situation, *aSmart* will alert the user calling to the numbers previously set. **According to current legislation, emergency calls are not allowed; *aSmart* will call to residential telephone numbers**. *aSmart* will call to the first telephone number previously set, and in the event the telephone line it is not connected or there is no network coverage it will call the next one, the same way up to a maximum of 5 times. When you receive the call, the system will send "intrusion alarm", "fire alarm" or "power failure alarm" depending on the alarm event. In case of an intrusion by tapping (#) icon on your telephone, *aSmart* will provide you with a list of options:"Change mode, "Listening mode", "Talking mode", "Disable Warnings" … (see *aSmart* through your telephone). If you want to disable your pending alerts to the previously selected numbers you select the option "Disable Warnings" (option 4). In any other alarm situation, by tapping (#) icon on your telephone *aSmart* will provide you with a unique option "Disable Warnings" (option 4).

TELEPHONE: MAKE A CALL

To make a telephone call, tap the ☎ icon. It will appear the telephone; just dial the phone number you would like to call. If you make a mistake use the left ◀ arrow to delete the last digit dialed. Once dialed, tap the call 📞 icon. When you finish your conversation, tap the hang up 📞 icon.

TELEPHONE: ANSWER A CALL

When *aSmart* receives a telephone call, it displays automatically the telephone screen. If you want to answer it, tap the 📞 icon. When you finish your conversation, tap the hang up 📞 icon.

VOICE MAILBOX: LISTEN, ERASE AND RECORD MESSAGES

On your home screen if you see the ✉ icon, that means you have new messages. If you tap the ✉ icon the voice mailbox screen will appear, indicating you the overall number of messages recorded, and the number of the message currently displayed. If you have not heard it yet, the ✉ icon will be blinking, otherwise the icon will remain dark. If you want to hear the message that it appears on the screen tap the ▶ PLAY icon. Use the up ▲ or down ▼ arrows to hear other messages.
To record a new message tap the ● REC icon.
To delete the current message tap the 🗑 DEL icon.

HEATING TURNING ON AND OFF

The home screen displays the current heating mode: Manual (MAN), Automatic (AUT) or OFF. When the following icon [icon], shows up, it means that it is also connected.

To change this mode, tap the `CLIMA` icon repeatedly until you select the desired mode. Use the up [▲] or down [▼] arrows to change desired set point temperature.

HEATING: PROGRAM YOUR *ASMART* TO TURN ON

Before using *aSmart* in automatic mode (AUT), you will need to program the cycles of your choice. In order to do so, on your home screen, tap the `MENU` icon and this screen will appear. Then you tap the `CLIMA` icon, the device will display ON/OFF daily cycles for each week day.

To advance through the ON/OFF daily cycles use the right [▶] arrow.

To modify or create a cycle, tap the right [▶] arrow until the option you want to modify is blinking. Use the up [▲] and down [▼] arrows to do so. Firstly, the blinking option will be the day of the week. Once you have selected it, programmable cycles will blink. (C1, C2 or C3). Then the current set point temperature will blink. Use the up [▲] or down [▼] arrows to change it, to advance through this option use the right [▶]. The CYCLE ON icon will start operating; use the up [▲] or down [▼] arrows to change hour or minute of cycle start-time, to advance through this option use the right [▶] arrow. The CYCLE OFF icon will start operating, the device will display hour and minute of the cycle end-time which you can change. In this way you program heating daily cycles for each week day. Tap the `OK` icon to finish and your programming will automatically be recorded.

LIGHTING CONTROL: ACTIVATE AND DEACTIVATE

On your home screen you will see the lighting mode: ON, Automatic or OFF. When the [icon] icon appears on screen, it is disconnected, when it is blinking it is in automatic mode, and when it does not appear it is connected. To change this mode, tap the right [▶] arrow repeatedly until selecting the desired mode. Once lighting has been disconnected you will have one minute time to leave home. From this moment, if *aSmart* detects motion, it will automatically change the lighting mode, connecting it.

LIGHTING: PROGRAM YOUR *ASMART* TO TURN ON

Before using *aSmart* in automatic mode (AUT) in order to simulate presence in the house, you will need to program the cycles of your choice.

In order to do so, on your home screen tap the `MENU` icon and this screen will appear. You TAP the [🔧] icon and use the left [◀] and right [▶] arrows to select [icon] icon. The device will display ON/OFF daily cycles for each week day. To advance through this option use the right [▶] arrow.

To modify or create a cycle, tap the right [▶] arrow until the option you want to modify is blinking. Use the up [▲] or down [▼] arrows to do so. Firstly, the blinking option will be the day of the week. Once you have selected it, programmable cycles will blink. (C1, C2 or C3).

Use the up [▲] or down [▼] arrows to select it; to advance through this option use the right [▶] arrow. The CYCLE ON icon will start operating; use the up [▲] or down [▼] arrows to change hour or minute of cycle start-time; to advance through this option use the right [▶] arrow. The CYCLE OFF icon will start operating, the device will display hour and minute of the cycle end-time which you can change. In this way you program lighting daily cycles for each week day. Tap the `OK` icon to finish and your programming will automatically be recorded.

ADJUST DATE AND TIME

These adjustments become particularly important when you are using the automatic mode (AUT). You get into the [MENU], tap the [ ] icon and then the icon. To select the option that you want to change (current day, month, hour and minute) use the right [▶] and left [◀] arrows; To adjust the blinking parameters use the up [▲] or down [▼] arrows. When you have finished you can record everything taping on the `OK` icon. If you do not want to save the changes, tap the `ESC` icon.

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This guarantee shall only be valid if it is correctly completed, The SELLER STAMP and DATE OF SALE are essential.

Two-year guarantee, to be counted from the date of sale, against all operational manufacturing or material defects.

The guarantee shall be considered void in any of the following circumstances taking place:

- If the guarantee certificate is not duly completed or its data are manipulated.
- If the equipment has been used improperly and not in accordance with the instructions for use.
- If the equipment has been disassembled or manipulated by persons other than authorized service technicians.
- If the fault was caused by knocks or falls, etc..
- If the equipment has been connected to a voltage other than that indicated in the installation manual.
- The guarantee does not include repairs for faults occurring as a result of causes not attributable to AVANZA ENGINEERING, such as fires, explosions, floods, lightening or similar events.
- In addition, the statutory rights of the guarantee holder are not affected.

GUARANTEE CERTIFICATE	
SELLER STAMP AND DATE OF SALE	BUYER NAME AND ADDRESS
	Nº SERIE
GUARANTOR: Avanza Domótica, S.L. - Pamplona - SPAIN	www.avanzaengineering.com

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