

Kit Soul



G2+ 2-wire installation
Art 4 XLite monitor

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RECOMMENDATIONS

- Preferably use a Golmar **RAP-GTWIN/HF** cable (2x1mm²).
- The wiring must run at least **40cm away from any other wiring.**
- **Always disconnect the power supply** before making modifications to the device.
- The installation and handling of these devices must be carried out by **authorised personnel.**
- Check all connections before starting the device.
- Always follow the instructions contained in this manual.

FEATURES

- **1 apartment S5110/ART 4 XLITE 1P** Allows up to 2 monitors and 2 door panels with the supplied **FA-G2+/LITE (30V 0.5A).**
- IMPORTANT:** Use of **12240100 FA-G2+ (30V 1.5A)** in the following cases:
 - Installation 1 apartment with more than two monitors (up to 4 per apartment).
 - Installation 1 apartment with more than 2 door panels (**DPM-G2+ required**) and (up to 4 door panels).
- Video door entry system with simplified installation (non-polarized 2-wire bus).

SYSTEM OPERATION

To make a call, the visitor needs to press the door panel button: an audible tone indicates that the call is being made and LED  on the door panel illuminates. At this moment, the apartment's monitor(s) receive(s) the call.

In systems with more than 1 door panel, the other door panels automatically disconnects; if another visitor attempts to call, a number of telephone tones will indicate that the system is busy and LED  on the door panel will illuminate.

Upon receiving the call, the image will appear on the screen of the master monitor (and slave 1, if it exists) without the visitor knowing and the button  will blink white. To view the image from slave monitors 2 or 3, press one of the buttons of the monitor to display the image. If the call is not answered within 45 seconds, door panel LED  will turn off and the system will become free.

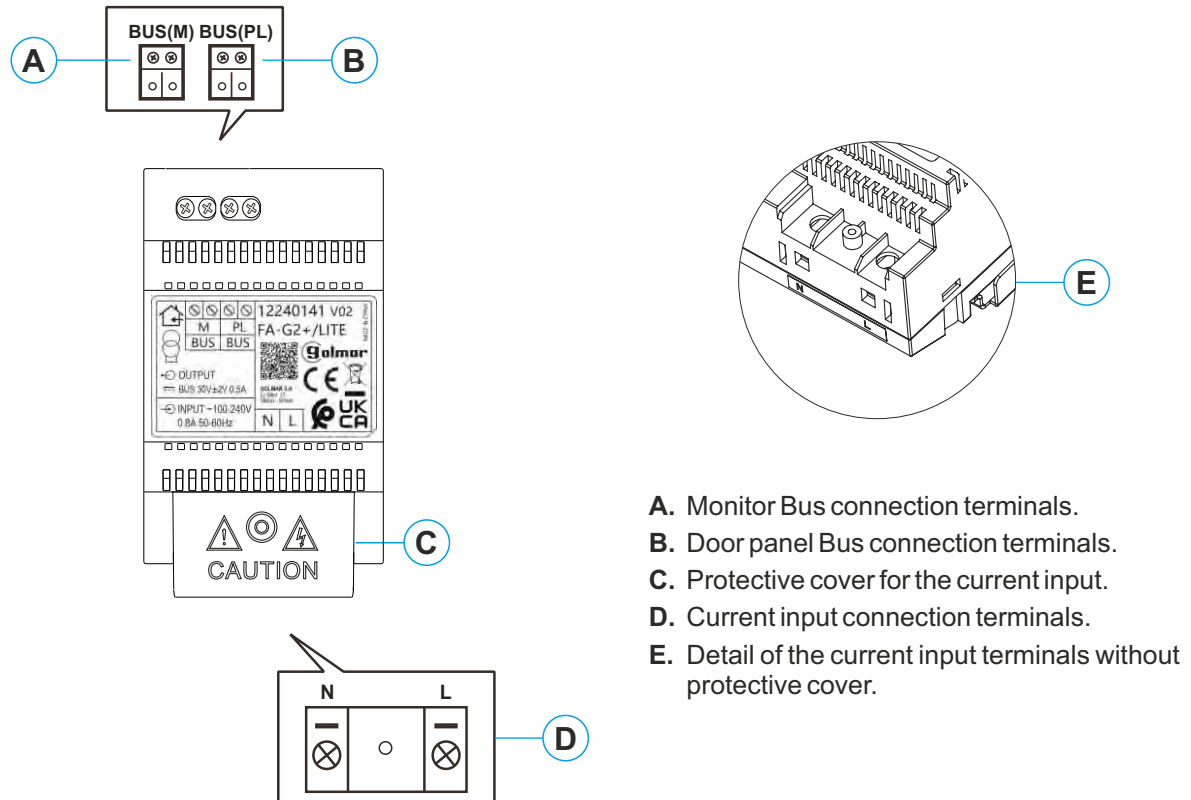
To establish communication, press the button  on monitor. Door panel LED  will illuminate. Communication will last for 90 seconds or until the button  on monitor is pressed. When communication ends, door panel LED  will turn off and the system will become free.

If you wish to open the door, press the push-button  (if it exists and you wish to open the 2nd door, press the push-button AUX), during the call or communication processes: one press will activate the lock release for 3 seconds or auxiliary output for 1 second, and LED  on the door panel illuminates.

Detailed operation of the monitor is described on pp. 8 to 22.

FA-G2+/LITE POWER SUPPLY

Description



Installation

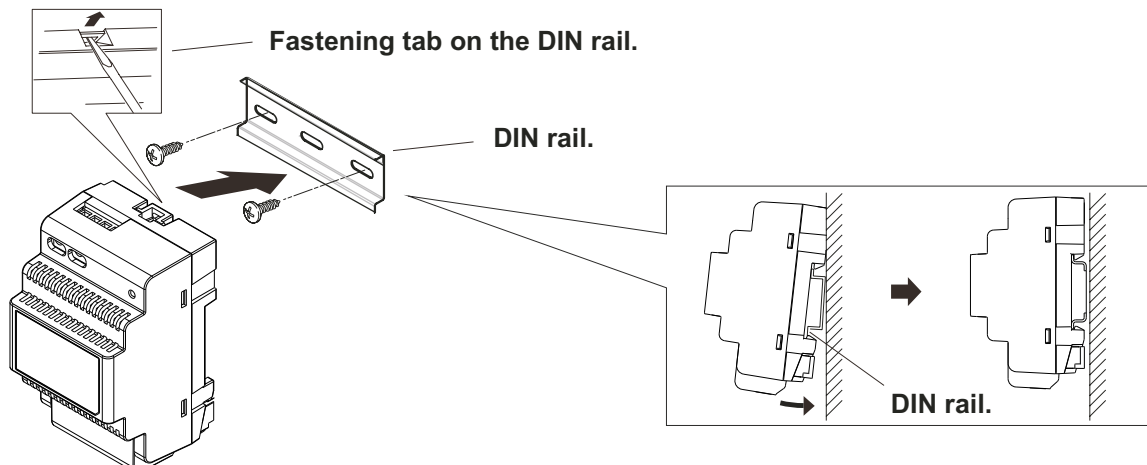
The fitting and handling of the power supply must be carried out by authorised personnel in the absence of electrical current.

Install the power supply in a dry, protected and ventilated location. Make sure that the vents are not obstructed. Use a DIN 46277 rail for fastening (4 elements).

Note that current regulations stipulate that the power supply must be protected by a circuit breaker.

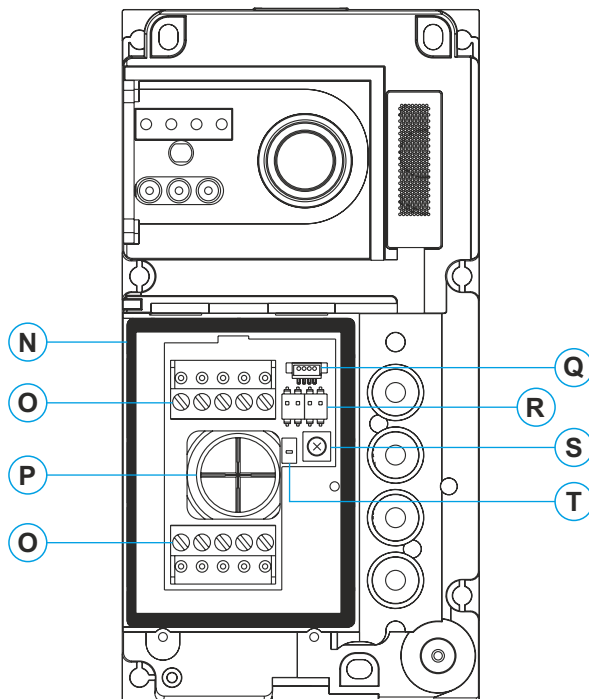
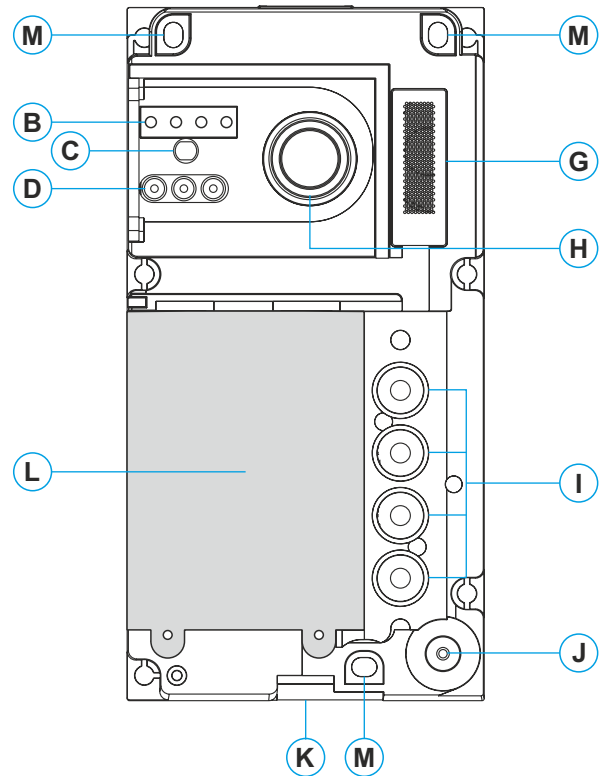
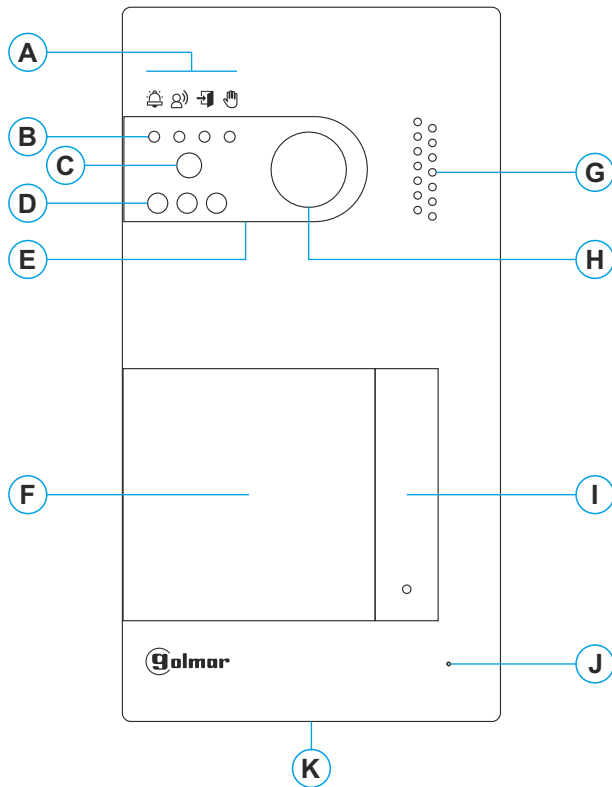
To prevent electric shock, do not remove the protective cover without first disconnecting the power supply. Replace it once all connections have been made.

Connect the wires to the installation terminals following the instructions in the diagrams.



SOUL PANEL-4.3/LITE

Description



A. System status icons:

- 📞 Call in progress.
- 📶 Communication established.
- 🔒 Lock release activated.
- 👤 System busy.

B. System status indicator lights.

C. Ambient lighting sensor.

D. Night viewing lighting.

E. Protective polycarbonate.

F. Nameplate label.

G. Speaker grill.

H. Colour camera.

I. Call button(s).

J. Microphone hole.

K. Front fixing screw.

L. Illumination module.

M. Wall fixing hole (x3). **Do not overtighten the fixing screws.**

N. Illumination module gasket.

O. Installation terminals.

P. Cable grommet.

Q. Illumination module connector.

R. Configuration switches.

S. Volume control potentiometer.

T. No function.

SOUL PANEL-4.3/LITE

Installation

The door panel has been designed to withstand diverse environmental conditions. It is however advisable to take extra precautions to prolong its service life, such as locating it in a covered area.

For optimum image quality, avoid direct contact from light sources (sunshine, street lights, etc.).

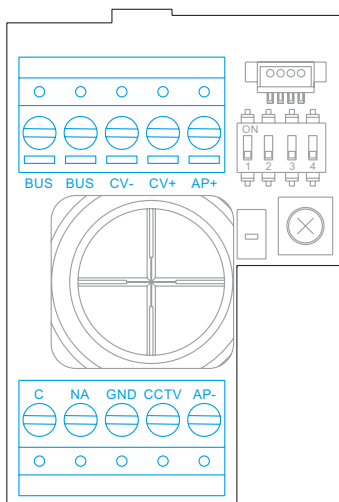
For correct installation: (locate the top of the door panel at a height of 1.65m).

1. Remove the metal front piece of the door panel by loosening the bottom screw with the Allen key supplied. On the back of the front piece, you will find the button personalisation label.
2. Remove the screws that secure the illumination module.
3. Present the door panel to the wall, positioning the top at 1.65m. Pass the installation cables through the cable grommet.
4. Drill three 6mm holes at the indicated points (M), see p. 5. Insert the plugs supplied and fix the door panel to the wall using the screws supplied.
5. Connect the cables to the removable terminals following the instructions in the installation diagrams.

Before replacing the illumination module and closing the door panel, perform the necessary settings (address door panel, audio level setting, etc.), as indicated throughout this manual. Make sure that the illumination module gasket is properly fitted.

Installation terminals (O)

For ease of installation, the installation terminals are removable and supplied in a separate bag. Once the terminals are wired, place them in position.



BUS, BUS: communications bus (non-polarised).

CV-, CV+: lock release output 12Vdc (maximum 270mA).

AP+, AP-: remote activation button connection. **Note: For correct operation, the monitor's address 1 must be connected to the Bus.**

IMPORTANT: Installation with 2 door panels and AP button on both door panels an FA-G2+/LITE power supply, one of the door panels must connect the AC lock release (instead of DC lock release). SAR-12/24 relay & a TF-104 transformer required, see pages 23,24 and 29.

C, NA: potential-free relay output (maximum 6A/24V).

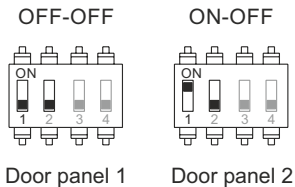
GND, CCTV: input for external analogue camera.

SOUL PANEL-4.3/LITE

Configuration switches (R) up to two door panels (FA-G2+/LITE POWER SUPPLY)

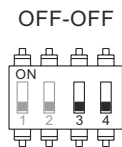
Configuration changes should be made with the equipment turned off. If they are performed with the equipment turned on, disconnect it for 10 seconds after any modification.

All switches are factory set to OFF.



Door panel 1

Door panel 2



Apartment 1

Switch 1.

Defines the door panel address.

Switch 2, must be OFF.

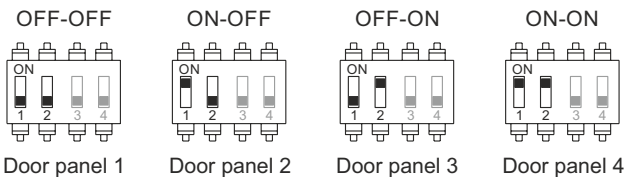
Switches 3 and 4 must be OFF.

Note: See pages 4 & 23 to 24.

Configuration switches (R) up to four door panels (FA-G2+ POWER SUPPLY)

Configuration changes should be made with the equipment turned off. If they are performed with the equipment turned on, disconnect it for 10 seconds after any modification.

All switches are factory set to OFF.

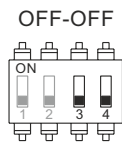


Door panel 1

Door panel 2

Door panel 3

Door panel 4



Apartment 1

Interruptor 1 y 2.

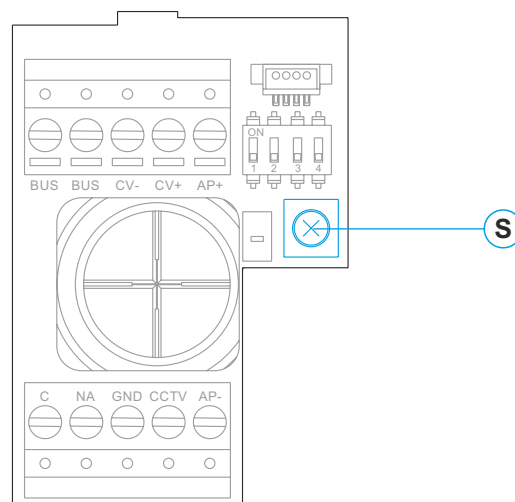
Define la dirección de la placa.

Interruptores 3 y 4, deben estar en OFF.

Note: See pages 25 to 28

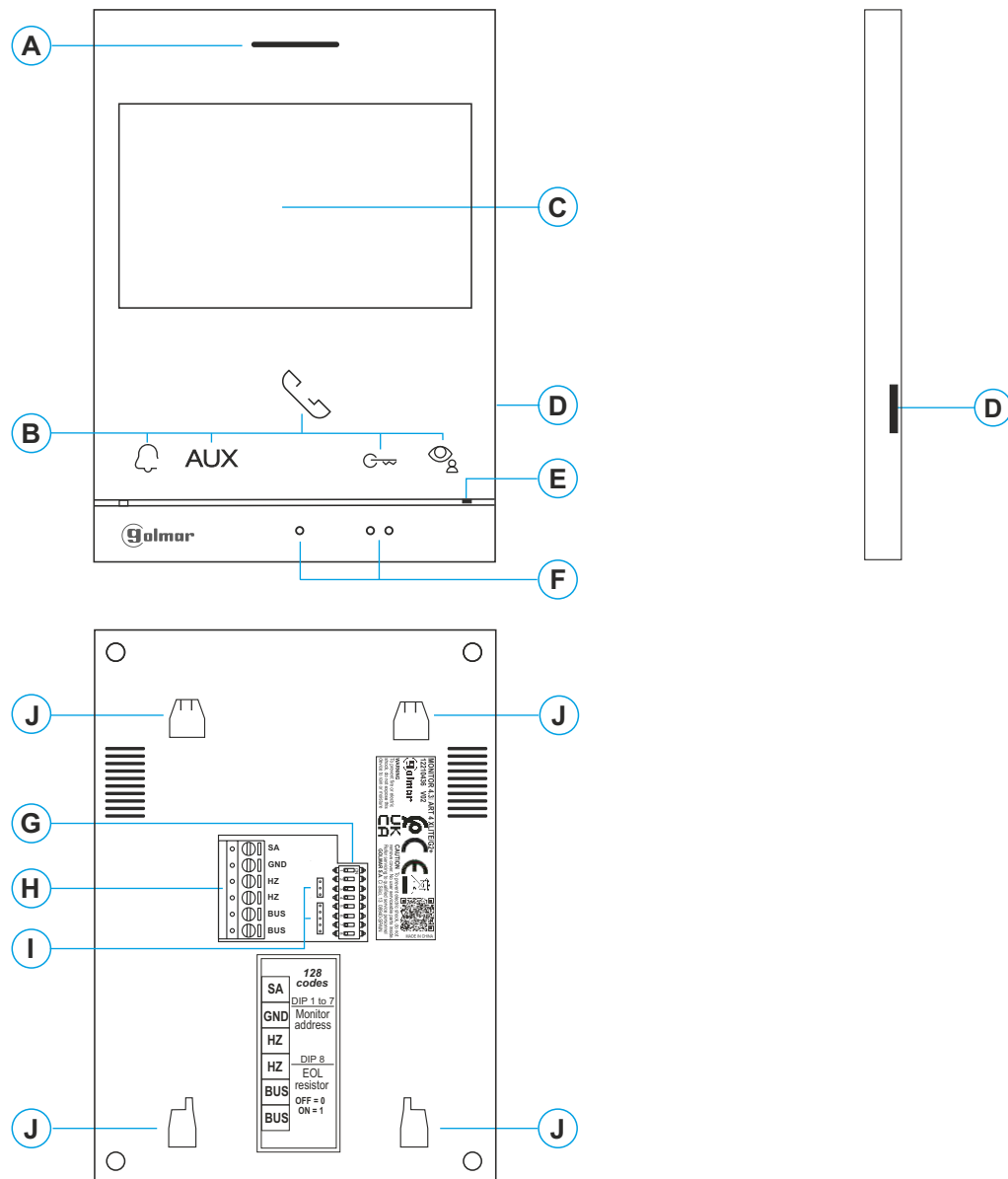
Setting the audio level

If the audio volume on the door panel after starting up the device is not adequate, use the volume control potentiometer (S). This setting affects the communication and confirmation tone audio level.



ART 4 XLITE/G2+ MONITOR

Description



A. Speaker.

B. Function buttons, access and selection of menu functions. The function buttons in a menu will be illuminated and the function is shown on the monitor screen with an icon located just above each function button (see pages 10 to 22).

With standby monitor:

☎ One press accesses the settings menu call tone volume, call tone selection and activate/deactivate call tone for 45 sec.

☎ One press accesses the intercom menu in the same apartment.

☎ 5 quick presses accesses the installer menu & the screen settings menu.

☎ One press starts the auto-on function on door panel 1.

AUX One press activates "staircase light" (requires SAR-G2+ and SAR-12/24).

- With the special code '0441' (Doctor mode) already entered (see special codes pages 30 to 33), press the button for 10 sec. to activate the function (the display will show the icon ☎), to deactivate the function press the button for 5 seconds (the display will show the icon ☎).

- The LED on the push button ☎ will flash white if the function "Automatic door opening" is activated and will turn off if the function is deactivated.

C. 4.3" TFT colour screen.

D. Not used.

E. Microphone.

F. Raised dots for the visually impaired people.

In call/ communication:

● Above this raised dot is the 'Start/End communication' button.

● Above these raised dots is the 'Door opening' button.

G. Configuration switches.

H. Installation terminals.

I. Golmar Use.

J. Wall mounting connector fixing (x4).

*☎ Press to access 'Doctor mode' function (standby monitor):

ART 4 XLITE/G2+ MONITOR

Installation

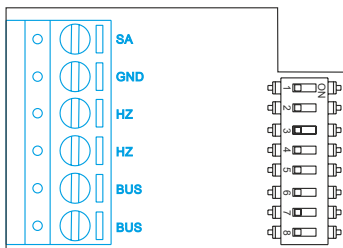
Avoid dusty or smoky environments or locations near sources of heat.

For proper installation, use the template supplied with the product.

1. Position the top of the template at a height of 1.65m.
2. If you are going to use an embedding box to pass the wiring through, make sure that it is in line with the holes corresponding to the box model chosen and fix the connector. If you prefer to fix the connector directly to the wall, make four 6mm holes at the points indicated (A), insert the wall plugs supplied and screw in the connector.
3. Pass the installation wires through the middle hole and connect them to the removable terminals as shown in the wiring diagrams. Before connecting the removable terminals to the monitor, configure the switch as indicated below.
4. Connect the removable terminals to the monitor and place the monitor in front of the connector, making sure the fixings line up. Move the monitor downwards to secure it.

Installation terminals (H)

For ease of installation, the installation terminals are removable and supplied in a separate bag. Once the terminals are wired, place them in position.



BUS, BUS: Communication BUS (non-polarised).

SA, GND: Auxiliary call repeater output (max 50mA/12V), relay SAR-12/24.

HZ, HZ: Apartment front door button input:

Connect only on the master monitor. The signal received is then transmitted to the slave monitors in the same apartment through the BUS.

Note: HZ push button function mode: When HZ push button is pressed will be call tone and activate the output of auxiliary call repeater with standby monitor, call process, communication process (HZ tone with lower audio level), intercom process and "Do not disturb" mode.

Configuration switches (G)

Switches 1 to 7.

These assign the address of the corresponding monitor to call button on the door panel. Switches 2 to 7 must remain in the OFF position.



Switch 8.

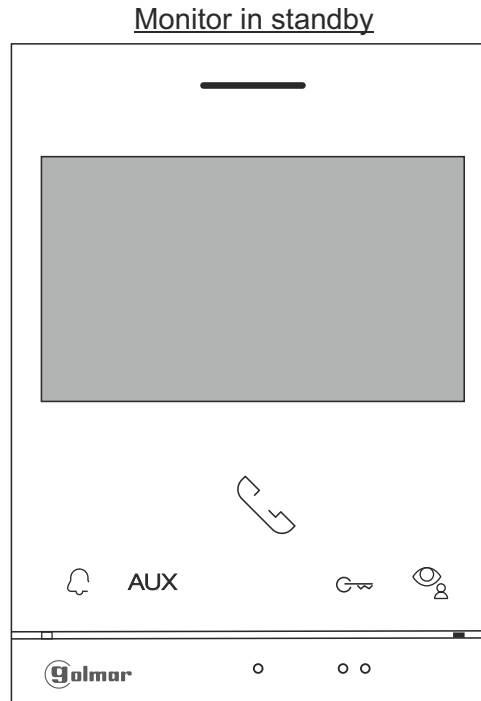
This activates the end-of-line resistance in the ON position. Activate it in monitors where the bus cable ends. Deactivate it only in intermediate monitors.

Note: To define the monitor as master "M" or as master "MI" with intercom in the same apartment ("MI" factory default) or slave 1 "S1", slave 2 "S2" or slave 3 "S3" (installer programmable, see page 16).

The apartment must have one and only one master monitor.

ART 4 XLITE/G2+ MONITOR

Function buttons, access and selection of menu functions



Description of the buttons on the front of the monitor, when the equipment is in standby (screen off),

 Press the push button  to access the settings menu "Select melody", "call volume" and "Do not disturb": If the monitor is in "Do not disturb" mode, the ringing tone (see note "HZ" on page 9) does not sound on the monitor when a call is received and the LED on the push button  will flash white, (see pages 11 to 13).

AUX Press the button **AUX** to activate "staircase light" (requires SAR-G2+ and SAR-12/24 module).

 Press the push-button  to access the intercommunication menu with other monitors in the same apartment, then press the push-button below the icon  to make an intercommunication call in the same apartment, see page 21-22.

 -5 quick presses on the button  accesses the installer and display settings menu, (installer programmable, see pages 16 to 20).
 -With the "Automatic door opening" mode (installer programmable, see pages 30-33) enabled on the monitor, press on the push button  for 10 seconds to activate the function, the display will show the following icon  , to deactivate the function press the push button  for 5 seconds, now the display will show the following icon  .
 -The push button  LED will flash white if the "Automatic door opening" function is activated and will turn off if the function is deactivated.

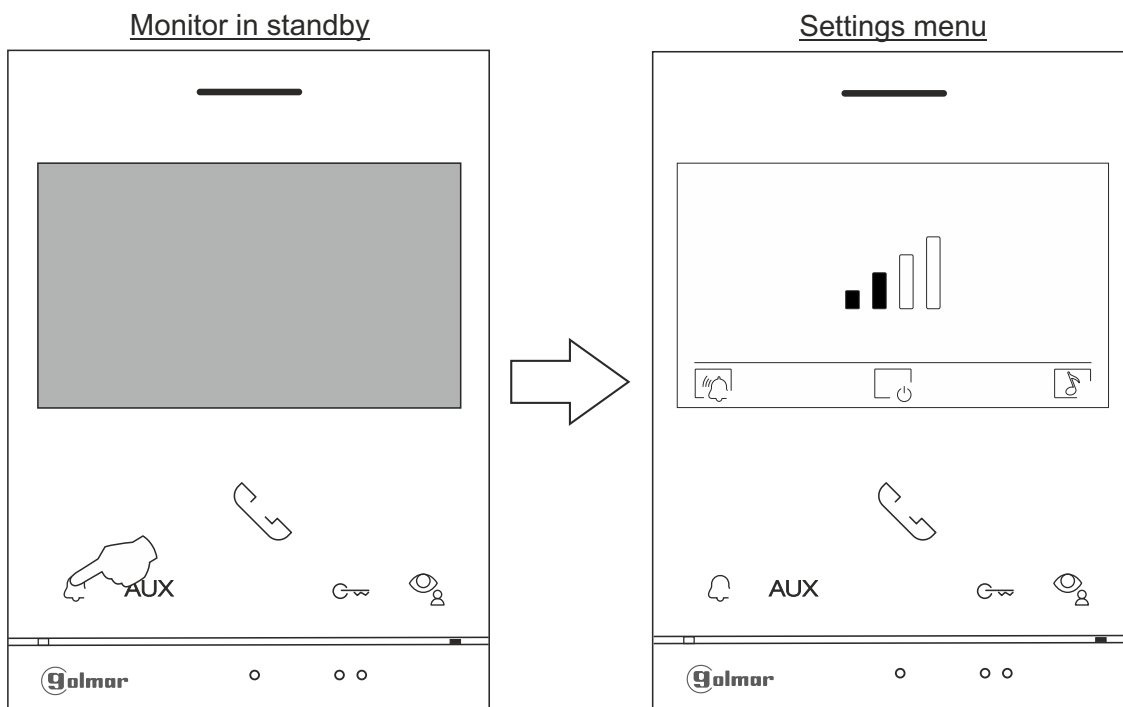
 Press the button below icon  to display the image from the master door panel. Note: This enables the door panel camera to be changed, the audio on the corresponding door panel to be activated and the door to be opened (see p. 14).

ART 4 XLITE/G2+ MONITOR

Settings menu

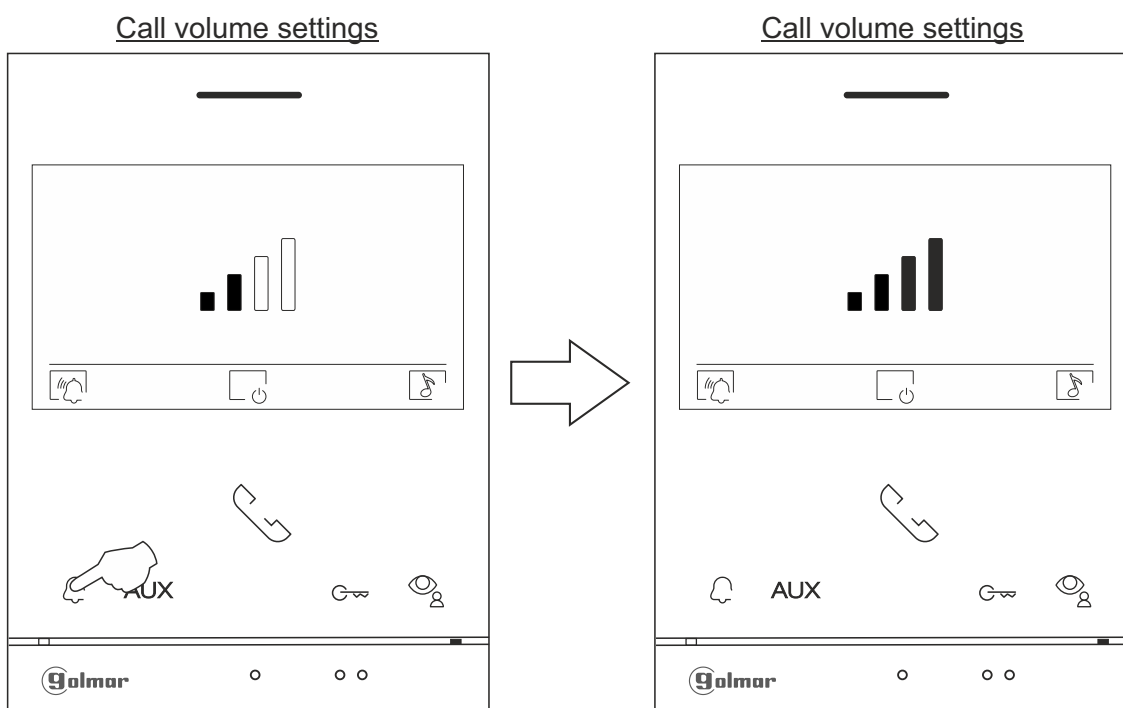


With the monitor in standby mode (screen off), press the push button to access the menu screen for "Select melody", "Call tone volume", "Do not disturb" mode and "Tone duration 45 seconds".



Adjust call volume: Press the push button below the icon to adjust the desired call volume with four volume levels (minimum to maximum).

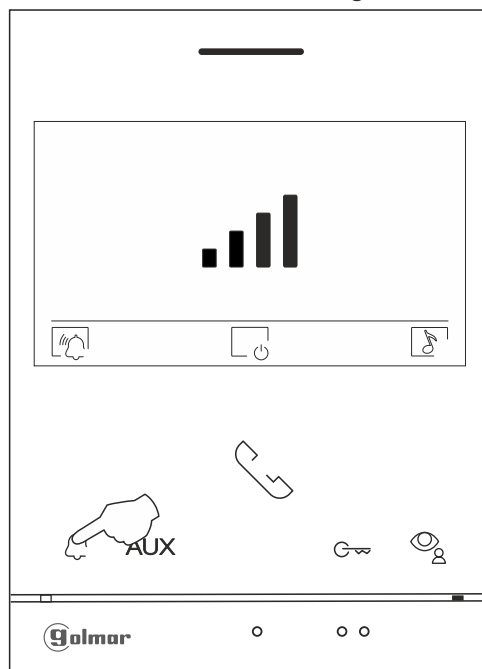
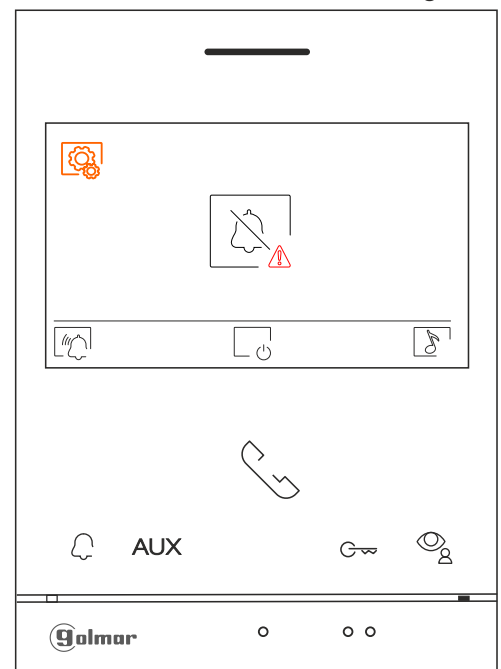
Pressing the push button after the maximum volume level selects the "Do not disturb" mode and thus in carousel mode (see page 12).



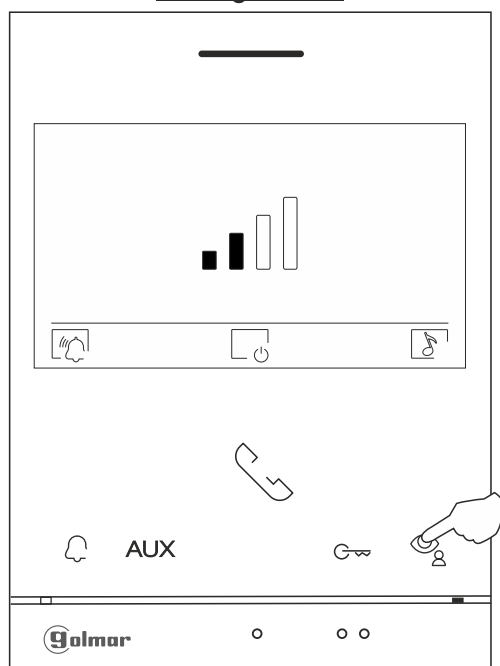
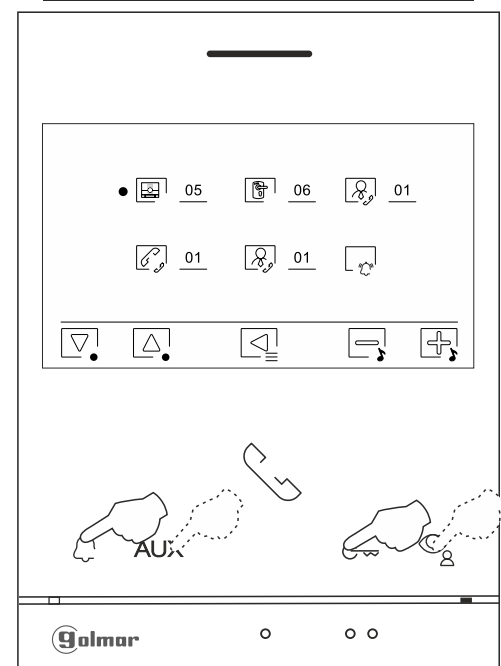
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ART 4 XLITE/G2+ MONITOR**Settings menu**

- Select "Do not disturb" mode:** Press the push-button  below the icon  until you get to the maximum call tone volume setting, then press the push-button again  selecting the "Do not disturb" mode, the display will show the following icon .
- The led of the push button  will blink white with the monitor in standby mode if the "Do not disturb" mode is activated and will go off if the "Do not disturb" mode is deactivated.
 - If you wish to exit the "Do Not Disturb mode", set the monitor to a ring tone level. Press the push button below the icon  to exit the menu with the monitor idle (screen off).

Call volume settings"Do not disturb" mode settings

Select melody and duration tones 45 seconds: Press the push button  below the icon  to access the select melodies and tones 45 seconds screen.

Settings menuSelect melodies and tones 45sec

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ART 4 XLITE/G2+ MONITOR

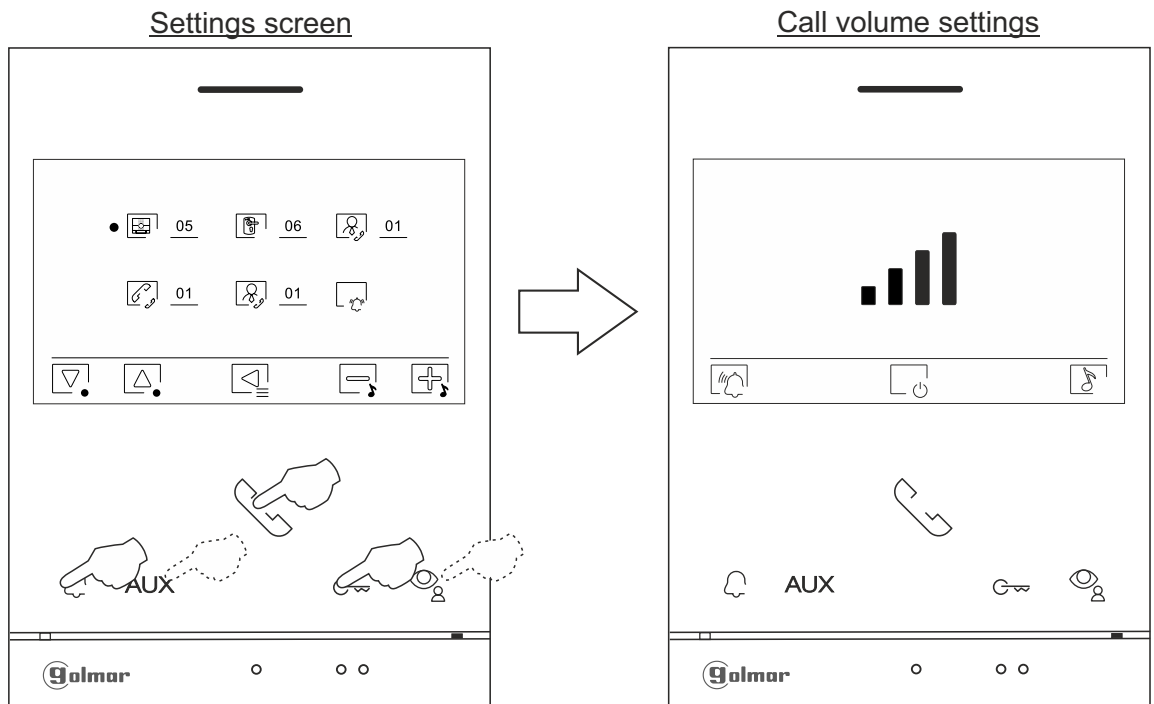
Settings menu

In order to identify the origin of the calls when you are not in front of the monitor, select different melodies and activate/deactivate the duration of the ringing tones 45 seconds. Place the cursor on the option to be modified by pressing the push-buttons below the corresponding / icons, then press the push-buttons below the corresponding icons / to select the melodies and to activate/deactivate the ringing tones duration 45 seconds. Press the push button below the icon  to validate the changes and return to the call tone volume settings screen.

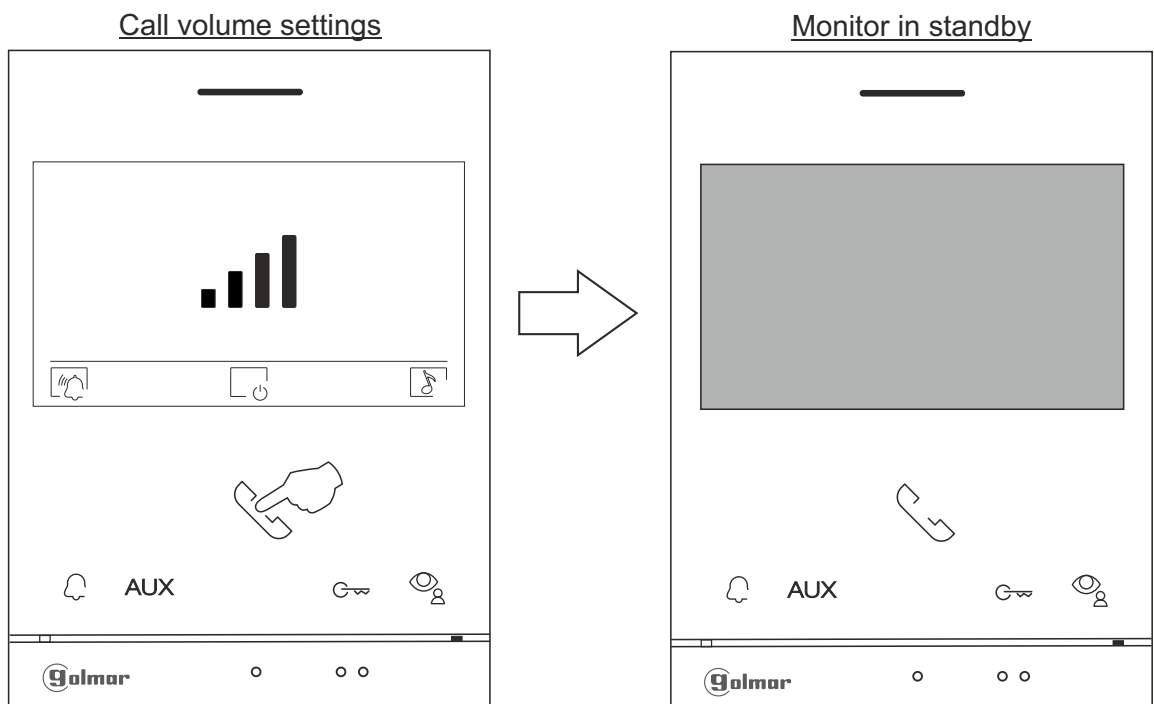
Note:

Function duration ring tones 45 seconds deactivated  (factory default).

Function duration ring tones 45 seconds activated .

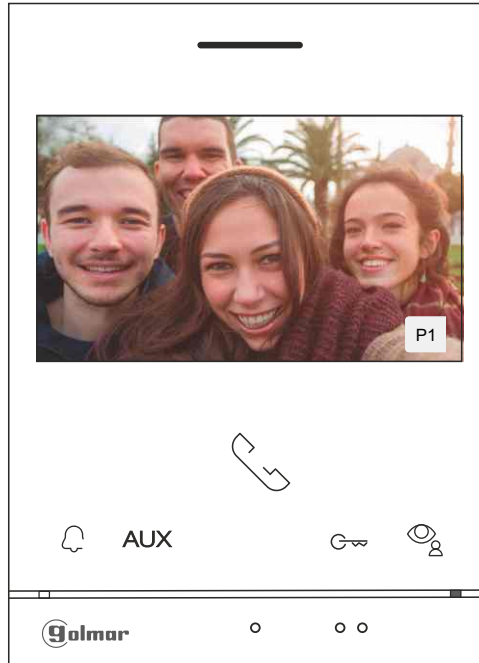


Press the button below the icon  to exit the menu with the monitor in standby mode (screen off).



ART 4 XLITE/G2+ MONITOR

Door panel call screen



This screen is shown when receiving a call or pressing the push button  on the monitor in standby. In a call the push buttons with function will be illuminated in white and the push button  will blink in white. At the bottom right of the display the source of the image is shown for 3 seconds. The call has a duration of 45 seconds.



Press the push button  to end the monitor call tone.



Press the push button  to change the source of the image, if the system has more than one door panel or has an external camera connected and the display has been activated (programmable by the installer, see pages 30-33). It is possible to make the change during display, call and communication processes.



Press the push-button  to start communication with the displayed door panel.



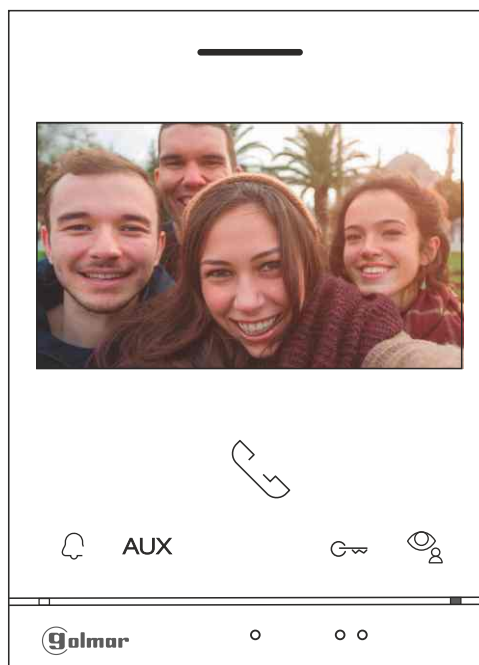
Press the push button  to activate the lock release (or device connected to relay 1 output of the door panel) for 3 seconds (factory default, installer programmable, see pp. 30-33).

AUX

Press the push button **AUX** to activate the lock release (or device connected to relay 2 output of the door panel) for 1 second (factory default, installer programmable, see pp. 30-33).

ART 4 XLITE/G2+ MONITOR

Communication screen



This display is shown during a communication process. During communication, the function buttons will be illuminated in white. The communication has a time of 90 seconds.



Monitor volume settings.



Press the push button  to change the source of the image, if the system has more than one door panel or has an external camera connected and the display has been activated (programmable by the installer, see pages 30-33). It is possible to make the change during display, call and communication processes.



Press the button  to end the communication with the displayed board. The communication has a maximum duration of 90 seconds. Once the communication is finished, the display will switch off.



Press the push button  to activate the lock release (or device connected to relay 1 output of the door panel) for 3 seconds (factory default, installer programmable, see pp. 30-33).

AUX

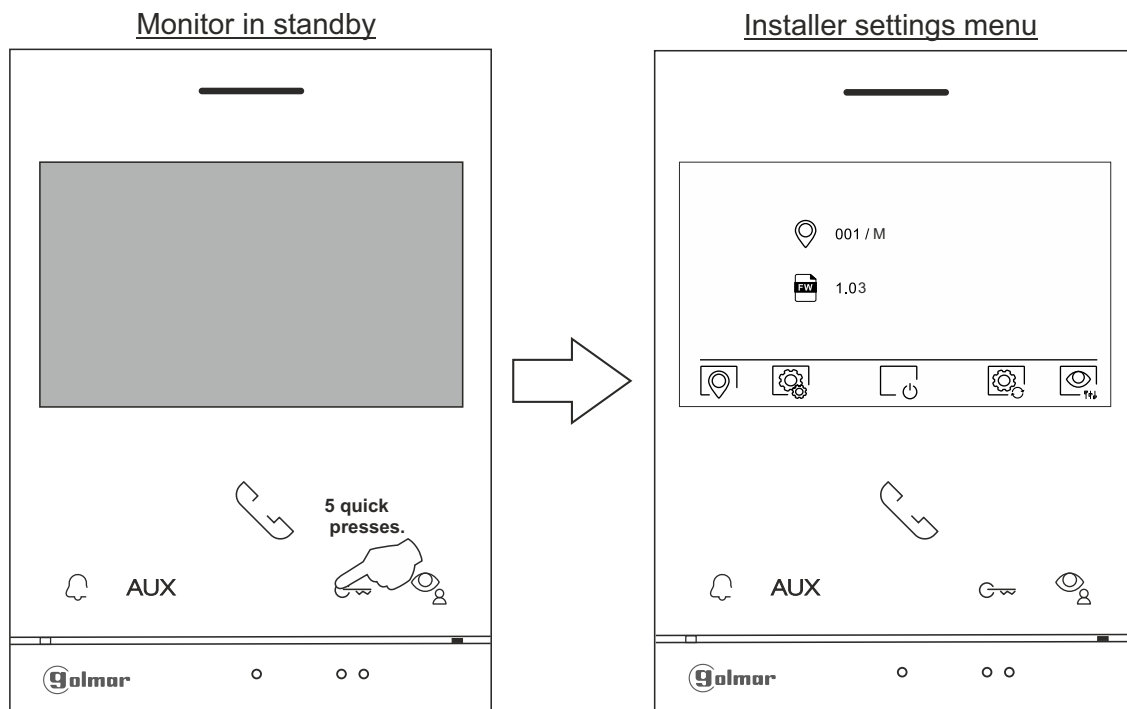
Press the push button **AUX** to activate the lock release (or device connected to relay 2 output of the door panel) for 1 second (factory default, installer programmable, see pp. 30-33).

ART 4 XLITE/G2+ MONITOR

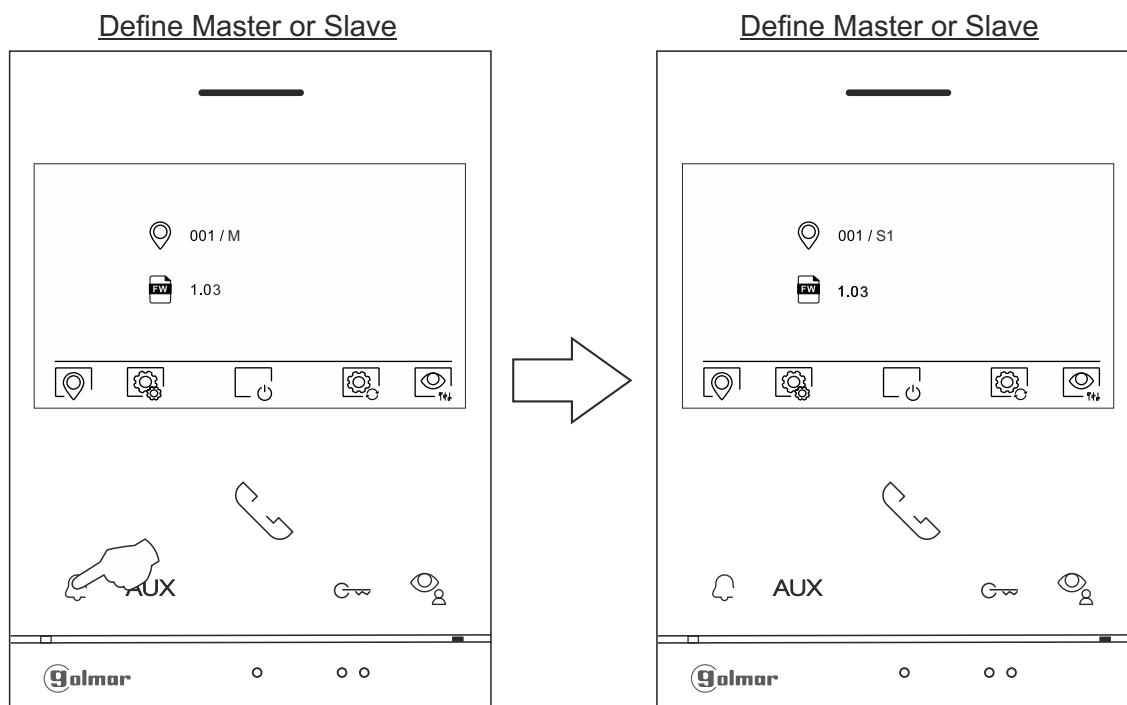
Installer settings menu

With the monitor in standby (screen off), 5 quick presses on the push button  to access the installer settings menu screen: "Master or slave", "Special codes", "Defaults" and "Image settings".

IMPORTANT: from **FW version 1.03** onwards, the 'installer' menu can only be accessed within two minutes of the monitor being connected to the power supply. After 20 seconds of inactivity, the menu closes. If more than two minutes have passed since the monitor was powered up, to access the installer menu again, you must disconnect and reconnect the power supply to the monitor being configured (remove and reinsert the monitor's 'BUS' connector).



Define the monitor as Master or Slave: Each press on the push button  below the icon  shows the options to define in the monitor (carousel mode): "M" Master without internal intercommunication (not there are slave monitors in the apartment) "MI" Master with internal intercommunication (between monitors of the same apartment), "S1" Slave 1, "S2" Slave 2 and "S3" Slave 3.



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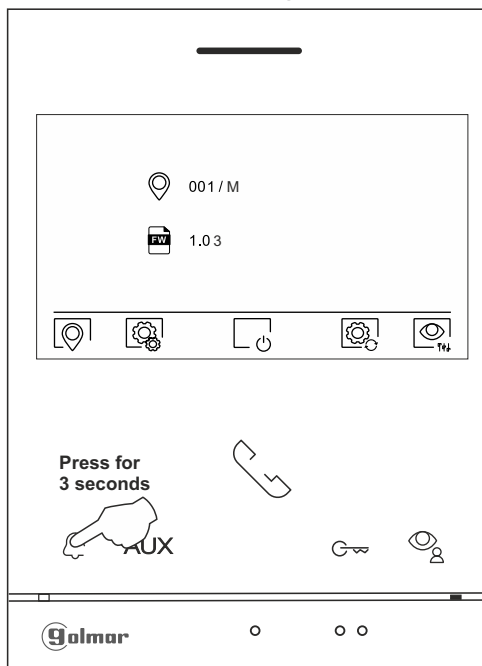
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ART 4 XLITE/G2+ MONITOR

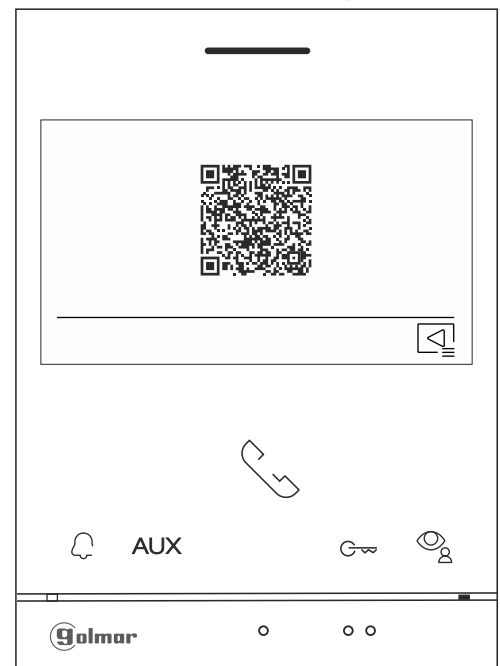
Installer settings menu

QR code screen: Press the push button  below the icon  for 3 seconds, it will display a screen with a QR code that allows you to download the updated manual to your mobile or tablet, you need to have installed an App for QR reader. Press the push button  below the  icon to return to the installer settings menu.

Installer settings menu



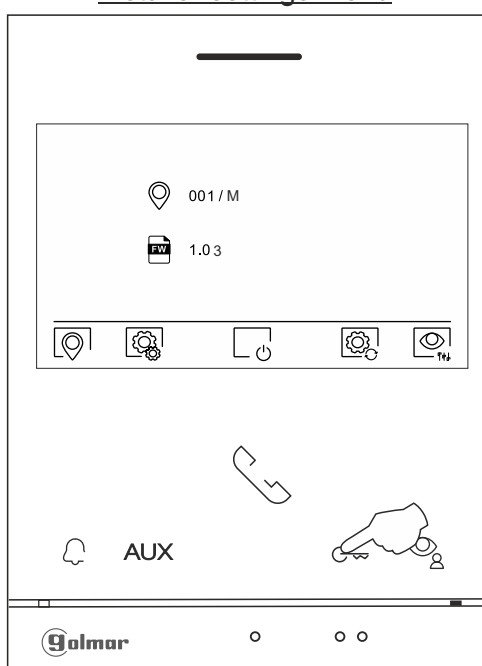
QR code display



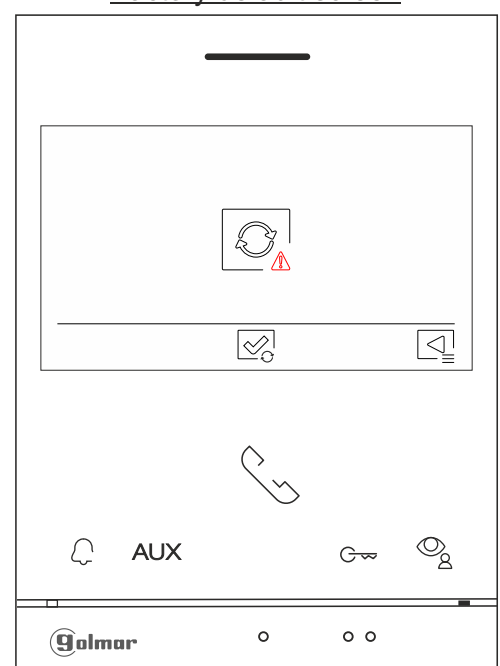
Special codes: Press the push button **AUX** below the icon  to access the special codes screen (installer programmable, see pp. 30-33).

Factory Defaults: To restore the monitor to factory defaults, press the button  below the icon  to access the restore to factory defaults screen.

Installer settings menu



Factory default screen



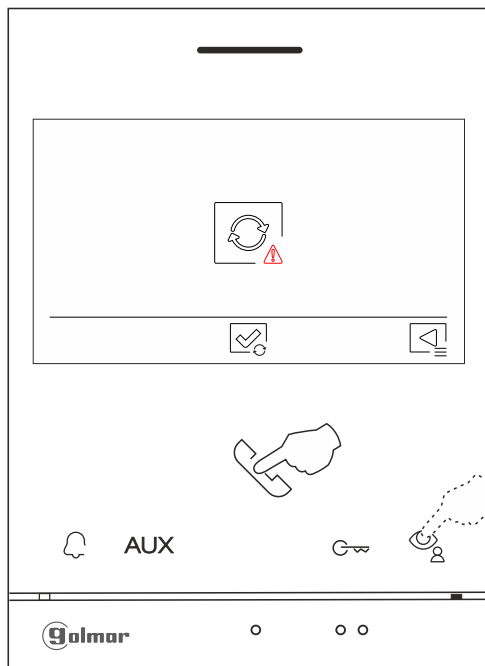
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ART 4 XLITE/G2+ MONITOR

Installer settings menu

Then press the push button  below the icon  to execute this function, if you do not want to reset the monitor to default settings, press the push button  below the icon  to return to the installer settings menu.

Factory default screen



Installer settings menu

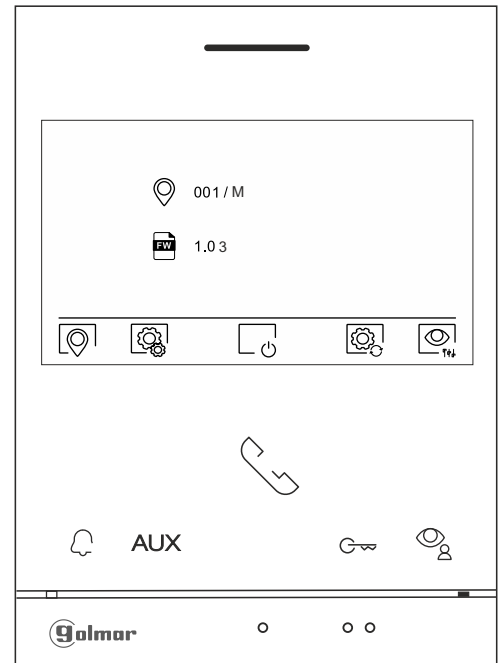
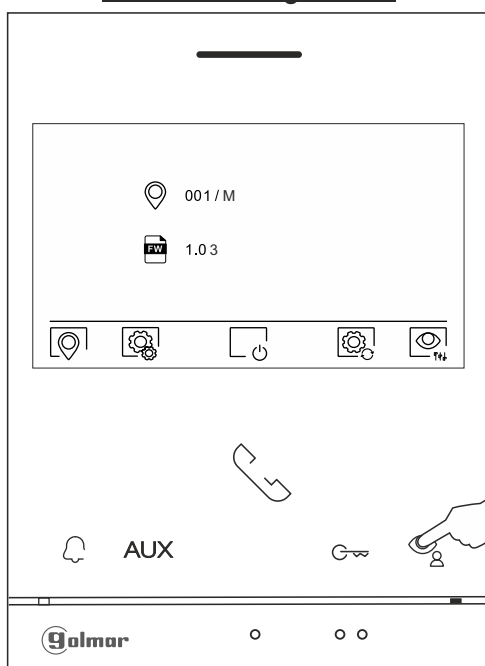
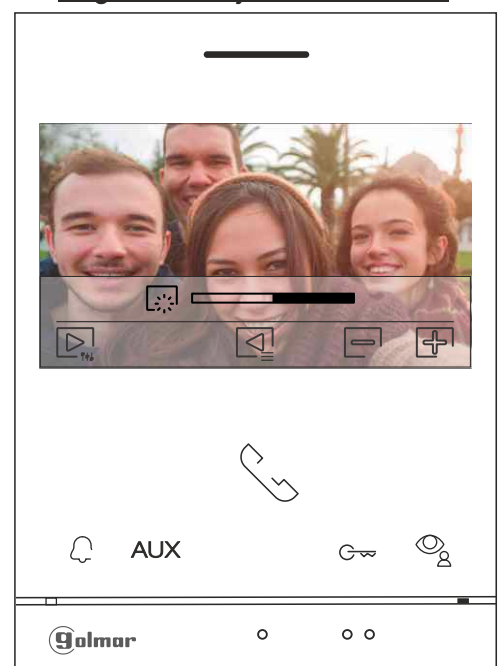


Image settings: For monitor image adjustments, press the push button  below the icon . Then brightness adjustment screen will be displayed.

Installer settings menu



Brightness adjustment Screen



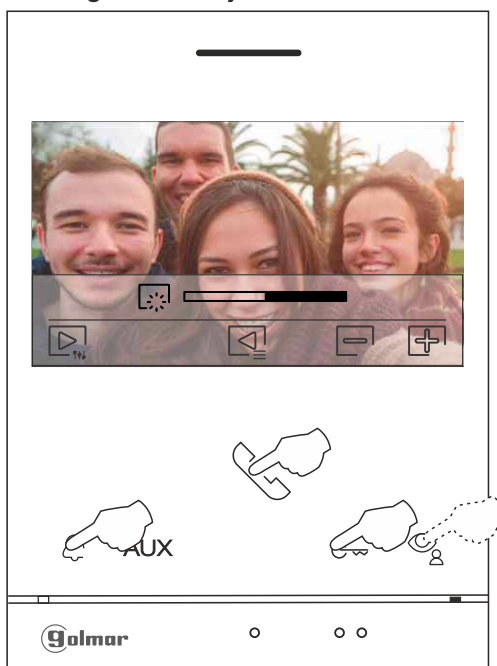
Continued overleaf

ART 4 XLITE/G2+ MONITOR

Installer settings menu

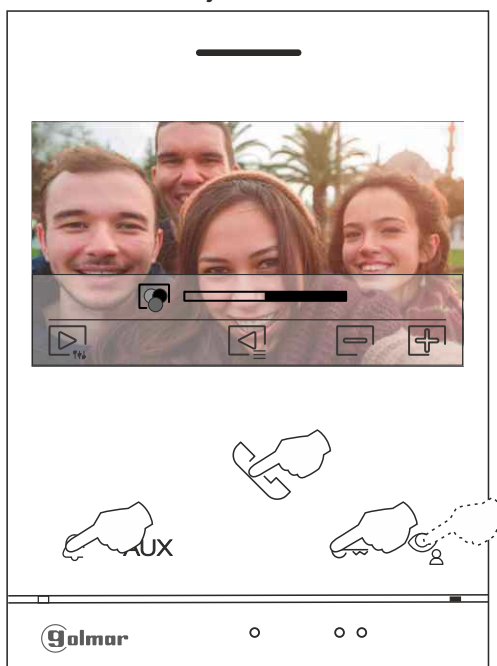
Adjust to the desired level by pressing the push buttons below the icons  / . To access the colour adjustment press the push button below the icon . To exit the image adjustment screen, press the push button below the icon .

Brightness adjustment screen



Then, colour adjustment screen will be displayed, modify to the desired level by pressing the push buttons below the  /  icons. To access the contrast adjustment press the push button below the icon . To exit the image adjustment menu, press the push button below the icon .

Colour adjustment screen

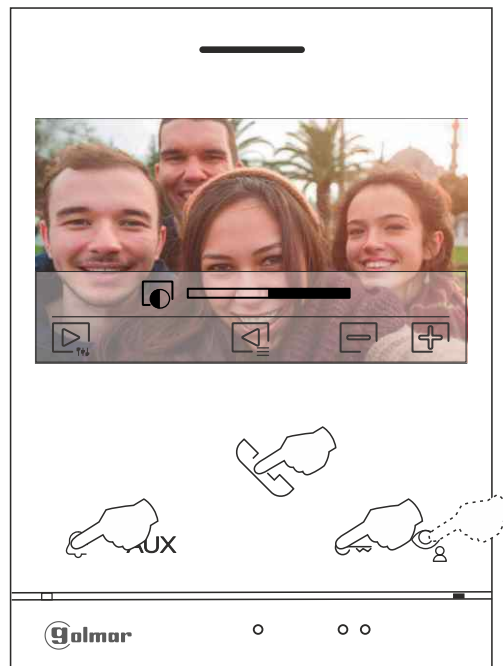


Continued from previous page.
ART 4 XLITE/G2+ MONITOR

Installer settings menu

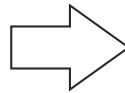
Then, the contrast adjustment screen will be displayed, change to the desired level by pressing the push buttons below the  /  icons. To return to the brightness adjustment (carousel mode) press the push button below the icon . To exit the image adjustment menu press the push button below the  icon.

Contrast adjustment screen

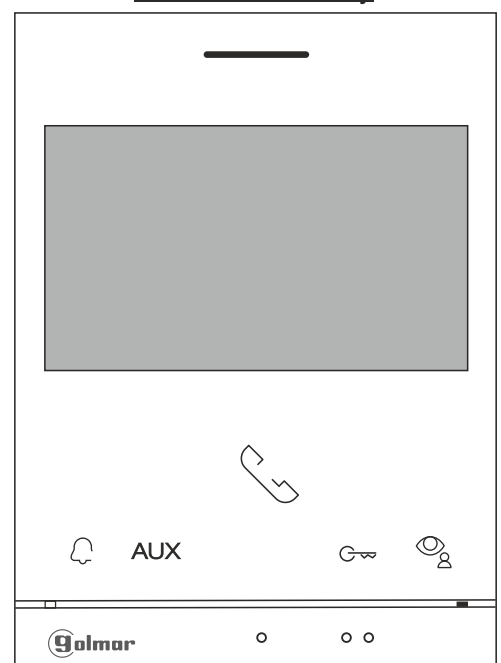


Press the push button  below the icon  to exit the menu with the monitor in standby (screen off).

Installer settings menu



Monitor in standby

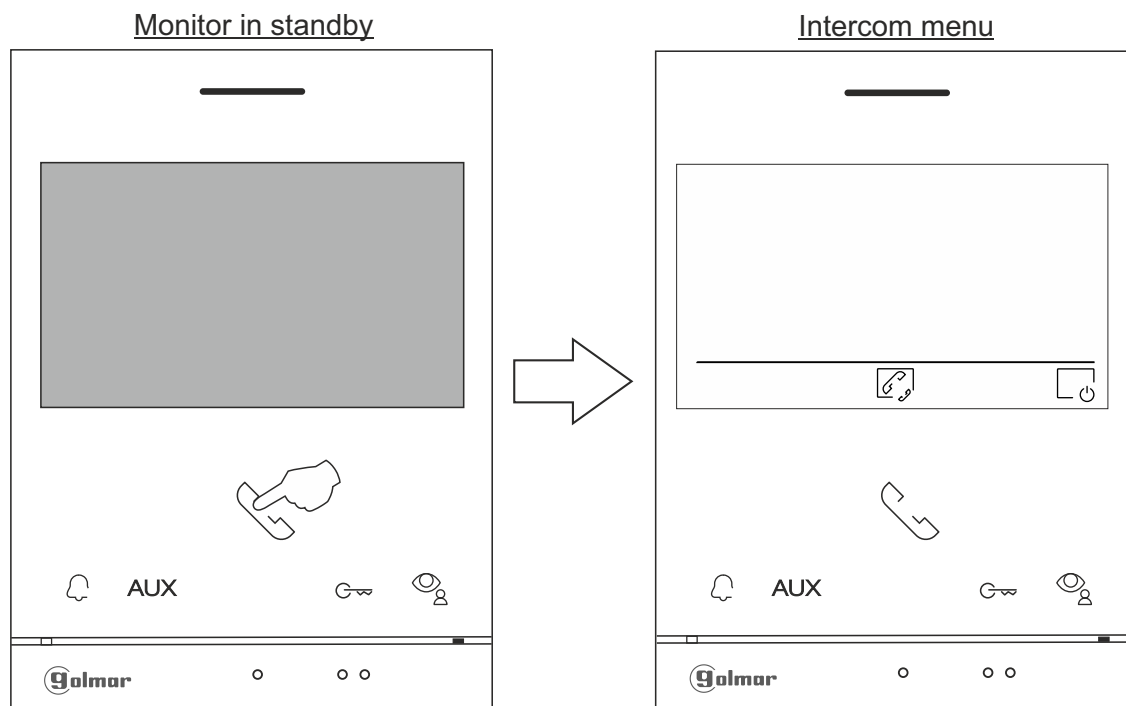


Continued overleaf

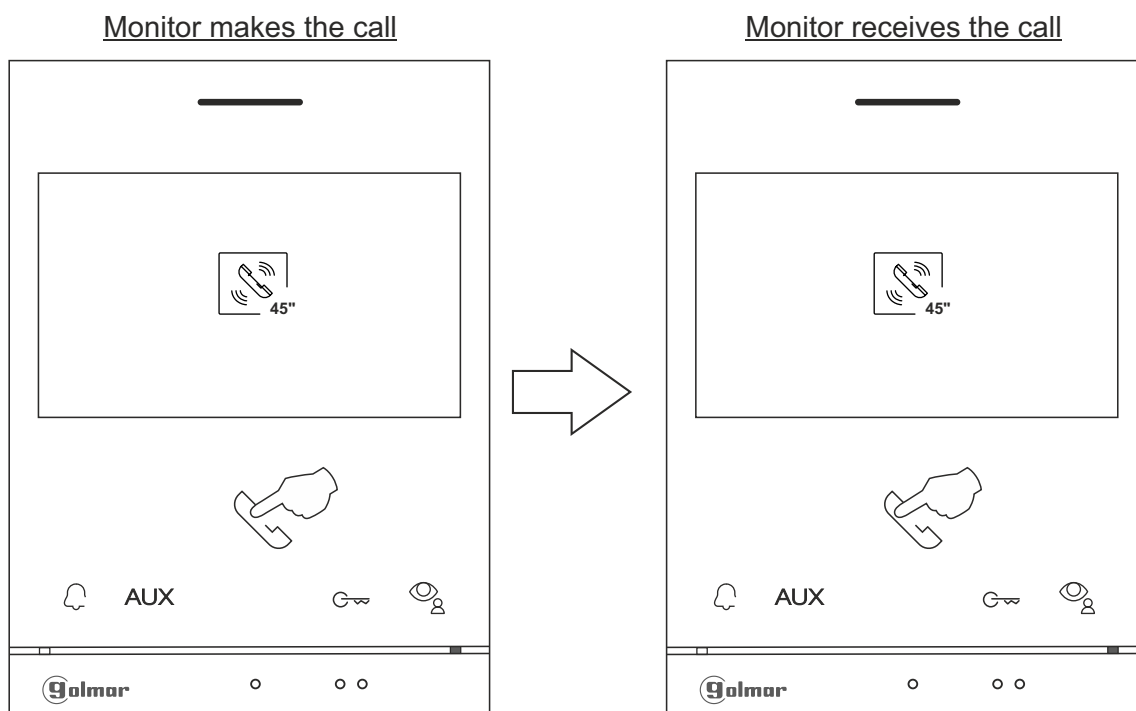
Continued from previous page.
ART 4 XLITE/G2+ MONITOR

Intercom menu (in the apartment)

With the monitor in standby (screen off), press the push button  to access the internal intercom menu screen (in the same apartment). From this menu you will be able to contact between two points in the same apartment. **Note:** Master monitor set to "MI", see page 16.



Then press the push button  located below the icon  to make an internal intercommunication call (with another monitor in the same apartment), the monitor making the call and the monitors receiving the call will ring with a confirmation melody, the led of the push button  will blink in white and indicate the time available to answer the call. If you wish to cancel the call, press the push button  of the monitor making the call, returning to the intercommunication menu. To establish communication, press the push button  of any called monitor in the apartment and press the push button  to end the communication.



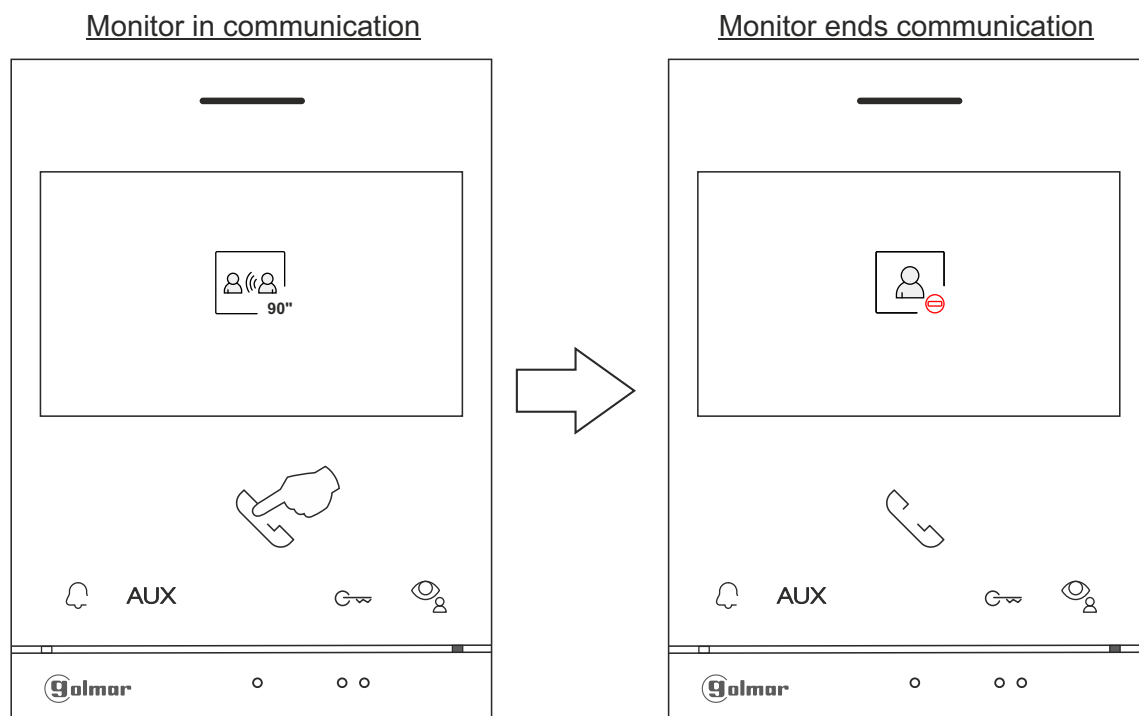
Continued overleaf

Continued from previous page.

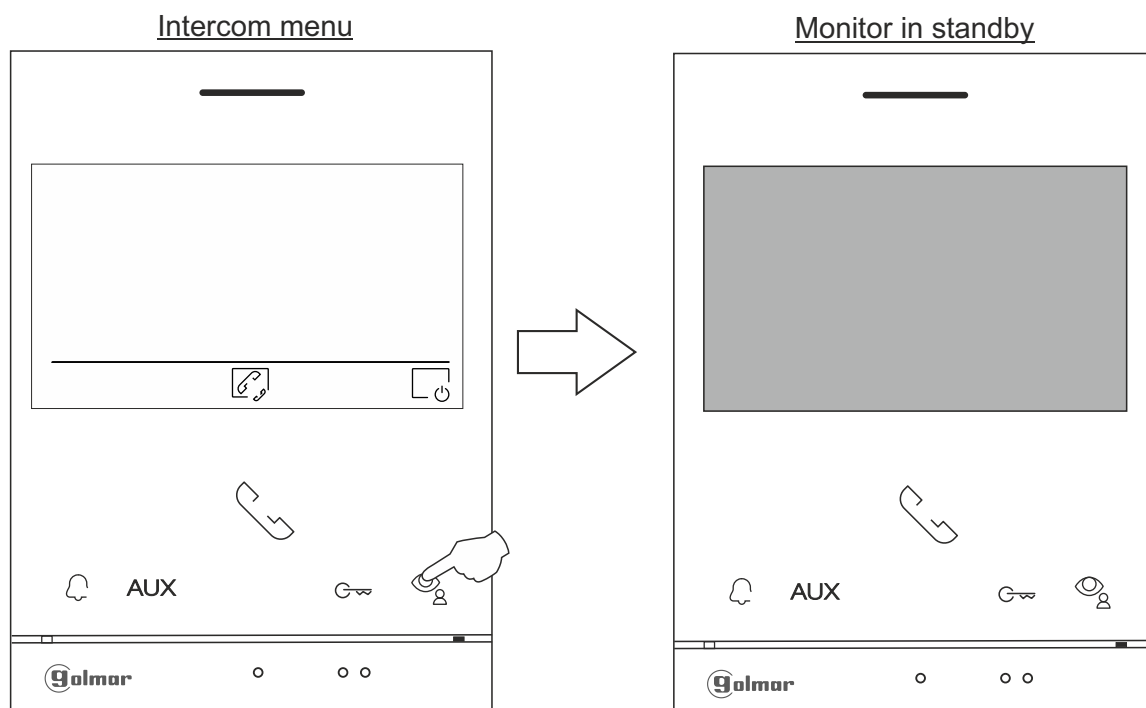
ART 4 XLITE/G2+ MONITOR

Intercom menu (in the apartment)

The communication has a duration of 90 seconds or until the push button  is pressed.



The monitor that made the intercom will return to the intercom menu, the monitor will return to standby after 20 seconds of no activity or press the push button  located below the icon  to exit the menu with the monitor in standby (screen off).



WIRING DIAGRAMS (FA-G2+/LITE POWER SUPPLY)

Cross sections and distances

- With **FA-G2+/LITE** power supply:
- Maximum 1 apartment.
- The maximum number of monitors in the apartment is 2.
- The maximum number of monitors in cascade is 2.
- Maximum two door panels.
- **For more information, see “Features” on page 3.**

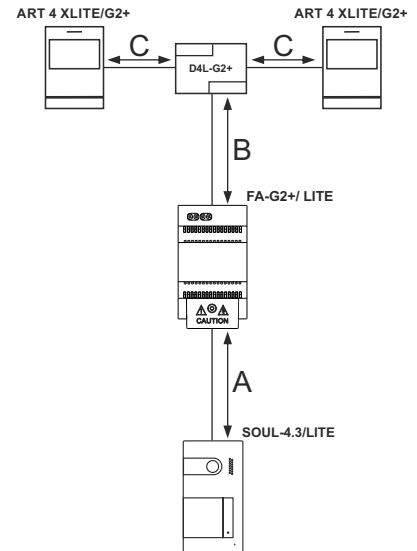
Type of cable	A	B	C
2 x 0,75mm ² (AWG18)	30m	30m	15m
CAT5 (*)	60m	60m	30m
RAP-GTWIN/HF	60m	60m	30m

A. Distance between power supply and furthest door panel.

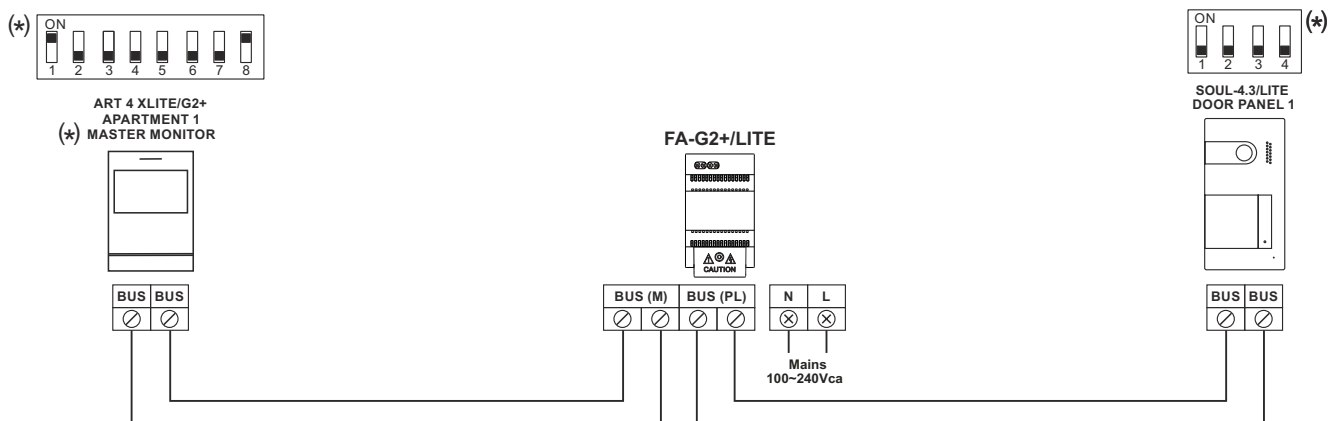
B. Distance between power supply and furthest monitor (or distributor).

C. Distance between a distributor and the furthest monitor connected to one of its outputs.

(*). Use two twisted pairs for each bus line.

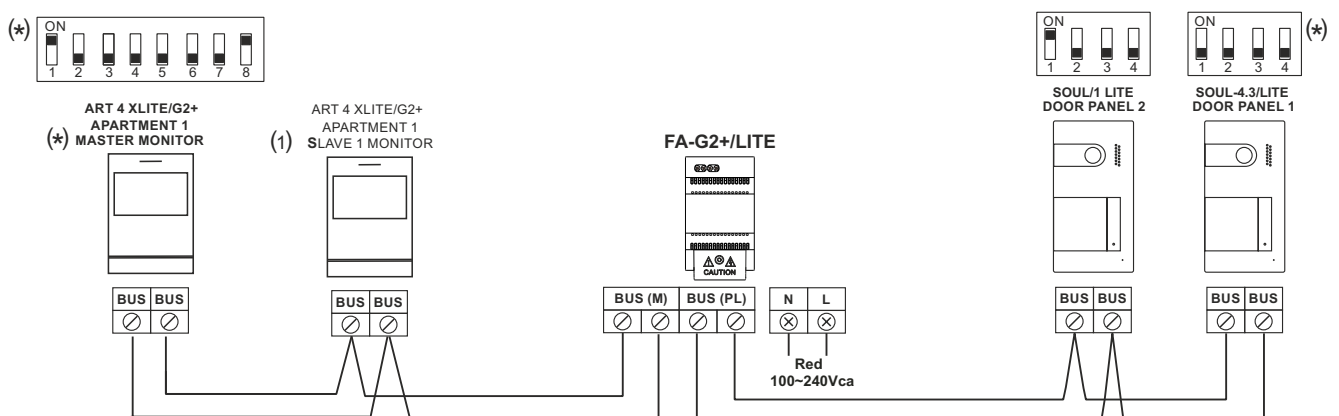


One apartment with one door panel and one monitor (FA-G2+/LITE POWER SUPPLY)



(*) Factory default.

One apartment with two door panels and two monitors (FA-G2+/LITE POWER SUPPLY)



(1) **Note:** To define the monitor as master or slave, see page 16.

(*) **Note:** Factory default.

Continued overleaf

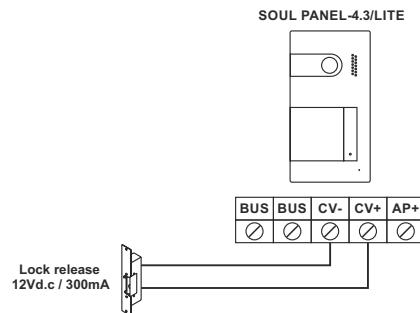
Continued from previous page.

WIRING DIAGRAMS (FA-G2+/LITE POWER SUPPLY)

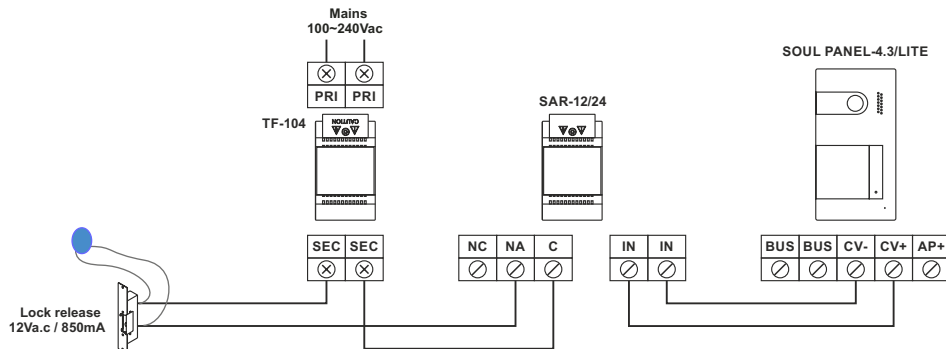
Connection of a lock release

The drawing shows the connection of a 12Vdc lock release, with a maximum consumption of 300mA. Activation is carried out through push button $\text{G}\infty$.

The activation time is 3 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 30-33).



If the lock release to be used is alternating current, use a relay and transformer suitable for the consumption, as well as the varistor supplied. The example shows a Golmar SAR-12/24 relay and a TF-104 transformer (12Vac/1.5A).

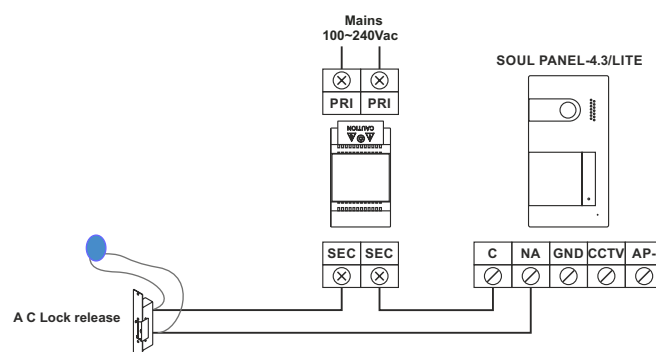


IMPORTANT: Installation with 2 access door panels and AP button on both door panels (see page 29), one of the door panels must connect the AC lock release (instead of DC lock release).

Connection of an auxiliary device at the relay output

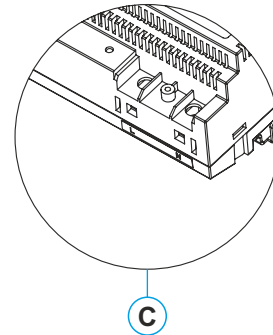
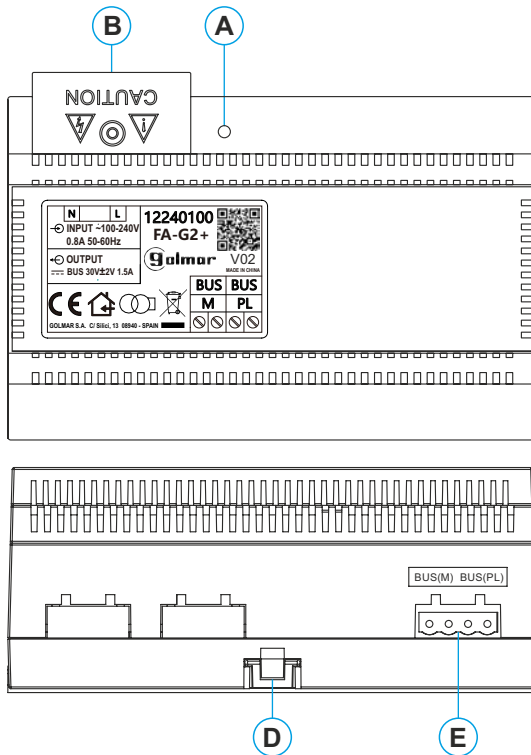
The drawing, by way of example, shows the connection of a second AC lock release. The relay can switch 6A/24V loads. Activation is carried out through push button AUX.

The activation time is 1 second, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 30-33).



FA-G2+ POWER SUPPLY

Description



- A. On/off indicator light.
- B. Protective cover for the current input.
- C. Detail of current input terminals without protective cover.
- D. Fastening tab on DIN rail.
- E. Installation terminals.

Specification

Input Voltage:	100~240Vca
Input Frequency:	50~60 Hz
Rated Output Voltage:	30 Vdc $\pm$ 2V
Rated Output Current:	1,5A
Working Temperature:	-10°C ~ 40°C
Dimensions:	140*90*60mm

Installation

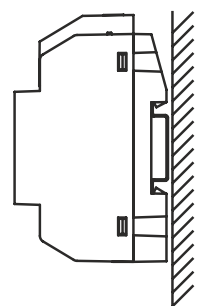
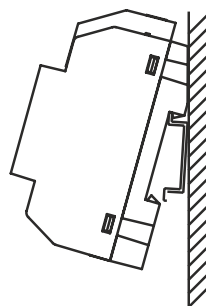
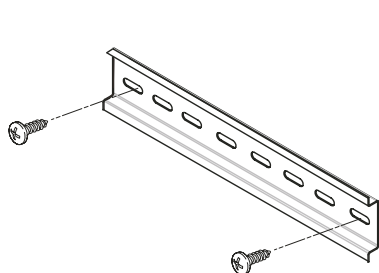
The fitting and handling of the power supply must be carried out by authorised personnel in the absence of electrical current.

Install the power supply in a dry, protected and ventilated location. Make sure that the vents are not obstructed. Use a DIN 46277 rail for fastening (8 elements).

Note that current regulations stipulate that the power supply must be protected by a circuit breaker.

To prevent electric shock, do not remove the protective cover without first disconnecting the power supply. Replace it once all connections have been made.

Connect the wires to the installation terminals following the instructions in the diagrams.



Continued overleaf

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WIRING DIAGRAMS (FA-G2+POWER SUPPLY)

Cross sections and distances

- With **FA-G2+** power supply:
- Maximum 1 apartment.
- The maximum number of monitors in the apartment is 4.
- The maximum number of monitors in cascade is 4.
- Maximum four door panels.
- **For more information, see “Features” on page 3.**

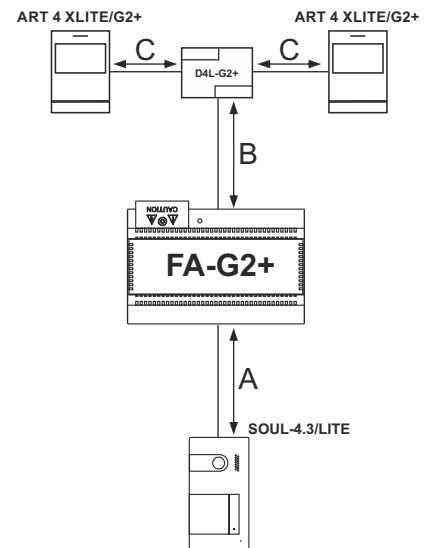
Type of cable	A	B	C
2 x 0,75mm ² (AWG18)	30m	30m	15m
CAT5 (*)	60m	60m	30m
RAP-GTWIN/HF	80m	150m	30m

A. Distance between power supply and furthest door panel.

B. Distance between power supply and furthest monitor (or distributor).

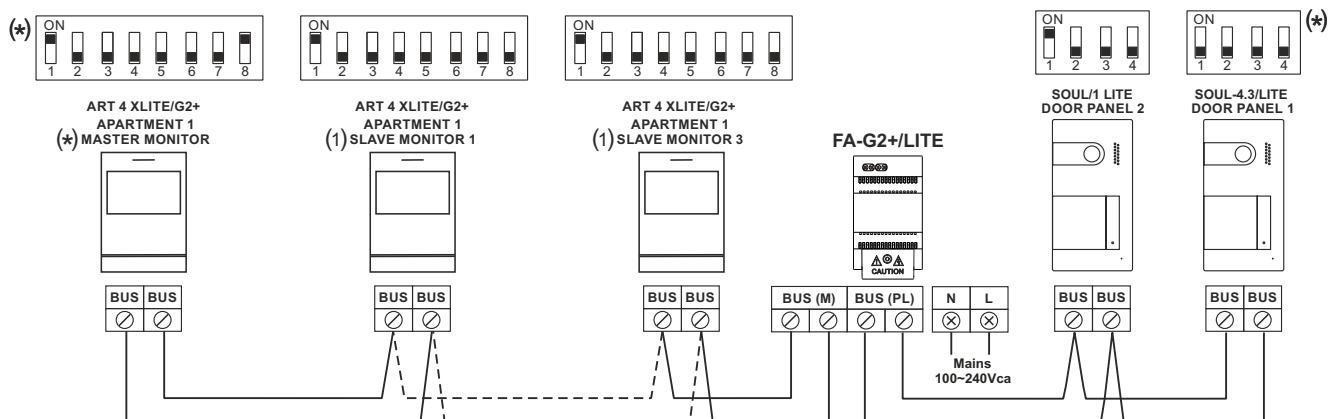
C. Distance between a distributor and the furthest monitor connected to one of its outputs.

(*). Use two twisted pairs for each bus line.



WIRING DIAGRAMS

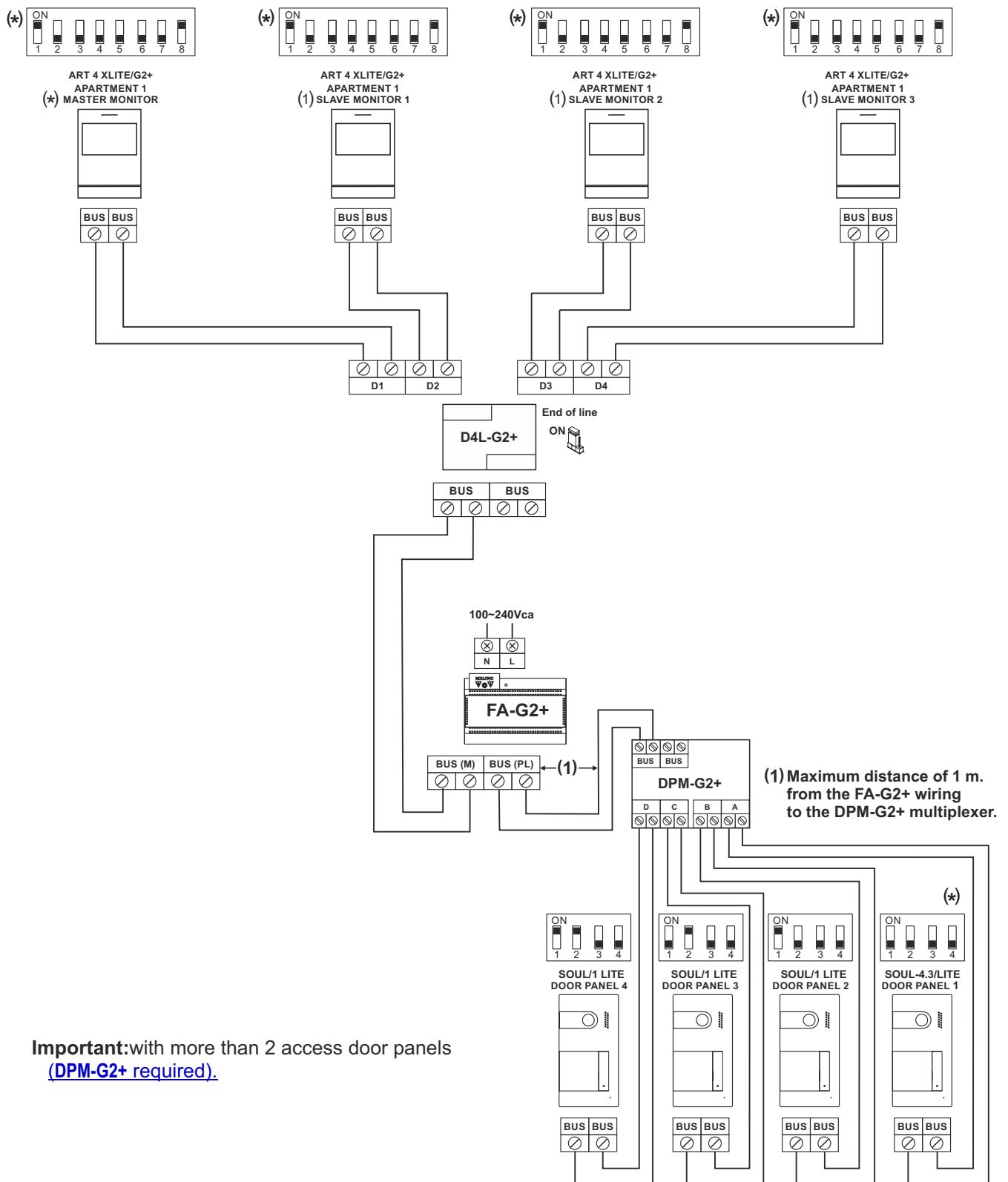
One apartment with up to two door panels and up to four monitors in cascade



(1) **Note:** To define whether the monitor is master or slave, see pages 16.

(*) **Factory default.**

Continued from previous page.

WIRING DIAGRAMS (FA-G2+POWER SUPPLY)**One apartment with up to four door panels and up to four monitors in distribution**

Important: with more than 2 access door panels
(DPM-G2+ required).

Continued overleaf

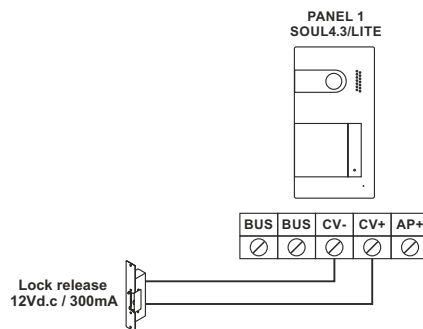
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WIRING DIAGRAMS (FA-G2+POWER SUPPLY)

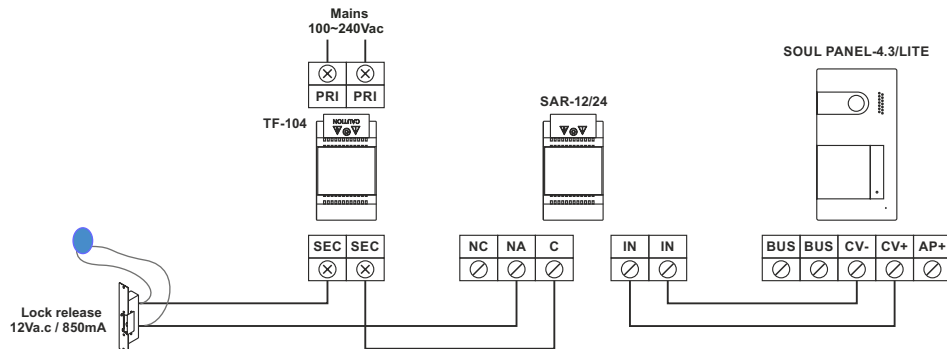
Connection of a lock release

The drawing shows the connection of a 12Vdc lock release, with a maximum consumption of 300mA, on each of the door panels. Activation is carried out through push button ∞ .

The activation time is 3 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 30-33).



If the lock release to be used is alternating current, use a relay and transformer suitable for the consumption, as well as the varistor supplied. The example shows a Golmar SAR-12/24 relay and a TF-104 transformer (12Vac/1.5A).

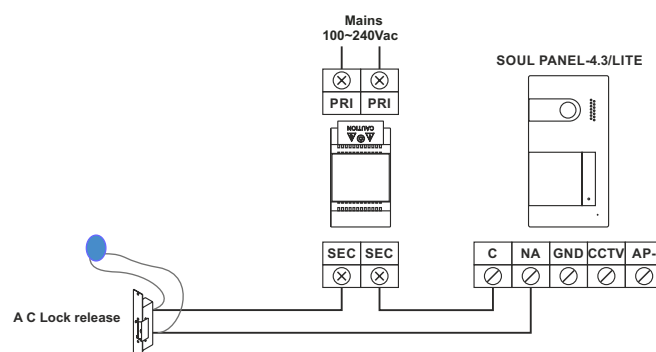


Important: Installations with more than two door panels must connect the alternating lock release on door panels 3 and 4 (instead of a continuous lock release) with a SAR-12/24 relay module and a TF-104 transformer.

Connection of an auxiliary device at the relay output

The drawing, by way of example, shows the connection of a second AC lock release. The relay can switch 6A/24V loads. Activation is carried out through push button AUX.

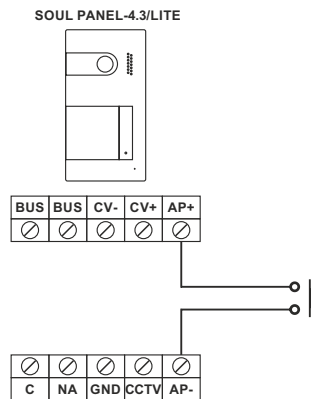
The activation time is 1 second, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 30-33).



WIRING DIAGRAMS

Connection of an output button

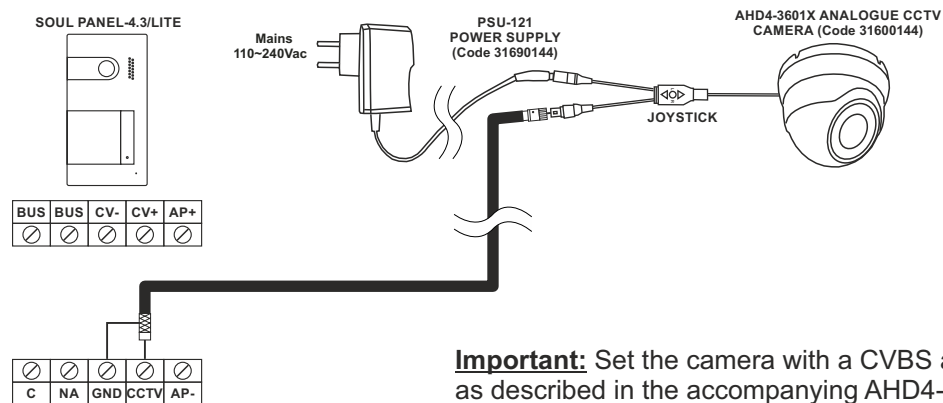
The output button allows remote activation of the lock release connected between the CV- and CV+ terminals (by default) or the relay output (see pp. 30-33). The delay time in carrying out the activation is 2 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 30-33).



IMPORTANT: Installation with FA-G2+/LITE power supply, 2 door panels and AP button on both door panels, one of the door panels must connect the AC lock release (instead of DC lock release) with a SAR-12/24 relay and a transformer TF-104, (see page 24).

Connection of an external camera

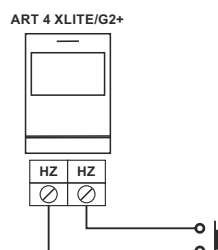
It is possible to connect a Golmar AHD4-3601x analogue CCTV camera to each of the door panels, which can be viewed (see pp. 30-32) from the monitor. The camera needs to have a local PSU-121 power supply.



Important: Set the camera with a CVBS analogue signal, as described in the accompanying AHD4-3601x camera manual.

Connection for an apartment door button

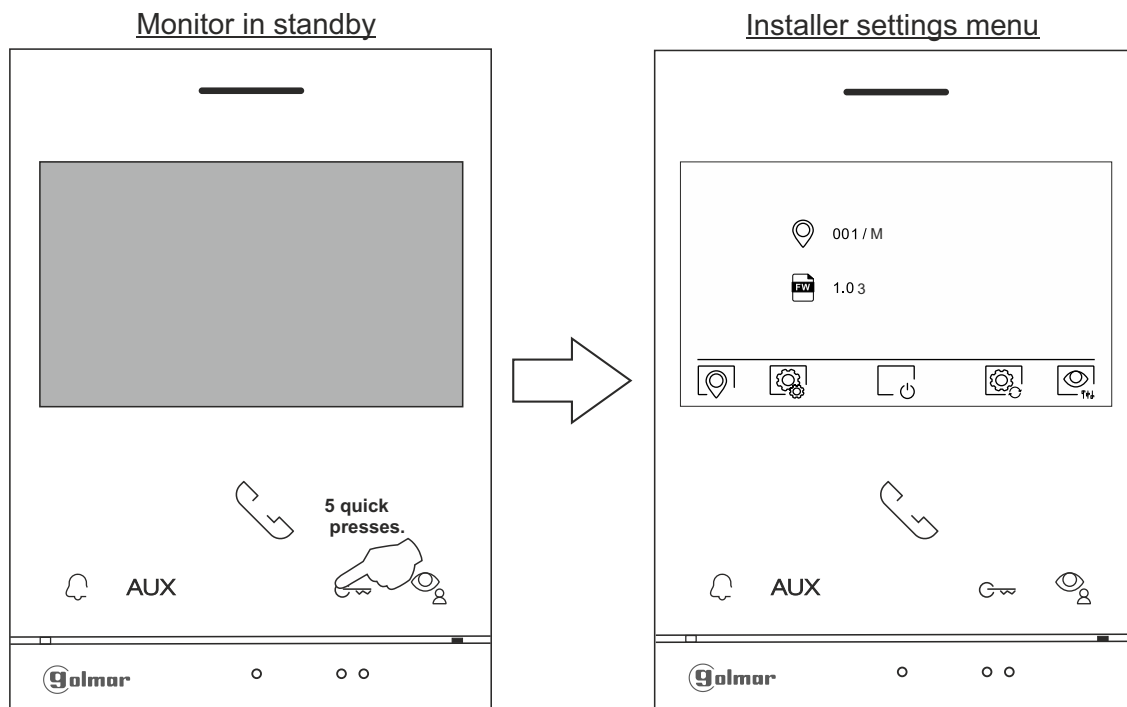
Only connect the apartment door button to the master monitor of the apartment that will be receiving the call (see note "HZ" page 9). The signal received is then transmitted to the slave monitors in the same apartment.



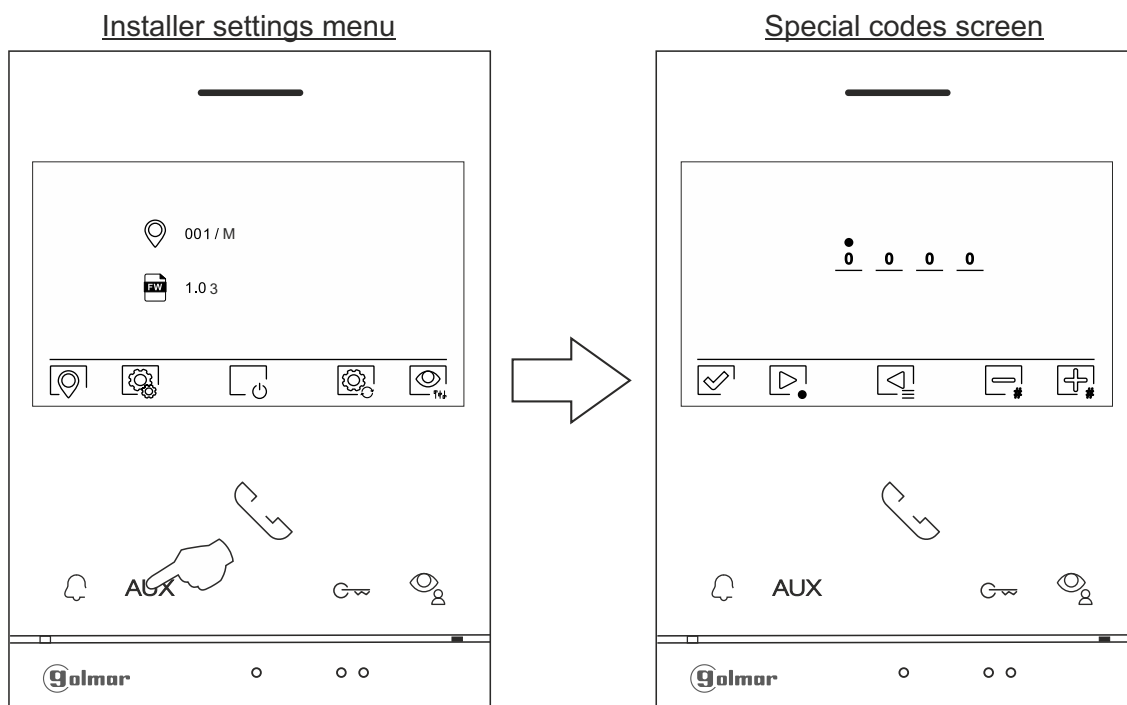
SPECIAL CODES

The enabling of some functions, as well as the modification of some factory parameters, can be carried out by entering special codes. To do so, the installer settings menu must be accessed from the monitor.

- ☞ With the monitor in standby (screen off), press the push button ☞ five times quickly to access the installer settings menu screen: to access the special codes screen settings'. **IMPORTANT:** from **FW version 1.03** onwards, the 'installer' menu can only be accessed within two minutes of the monitor being connected to the power supply. After 20 seconds of inactivity, the menu closes. If more than two minutes have passed since the monitor was powered up, to access the installer menu again, you must disconnect and reconnect the power supply to the monitor being configured (remove and reinsert the monitor's 'BUS' connector).



Press the push button **AUX** below the icon  to access the special codes screen (installer programmable, see pp. 30-33).



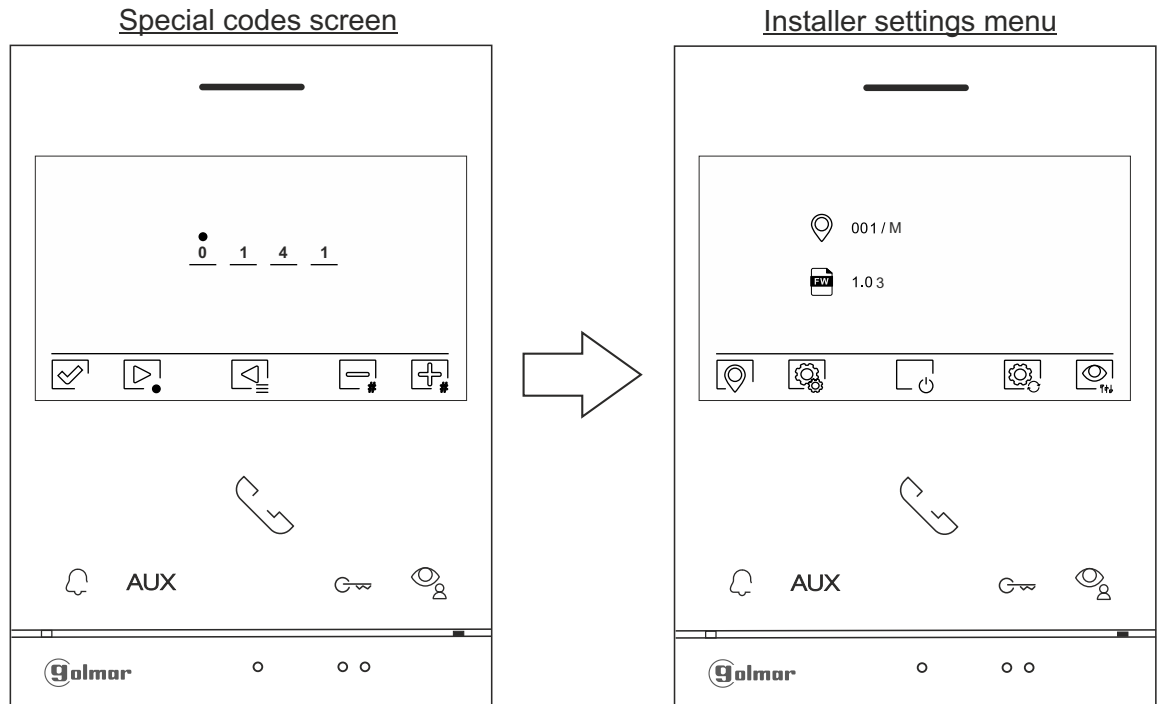
Continued overleaf

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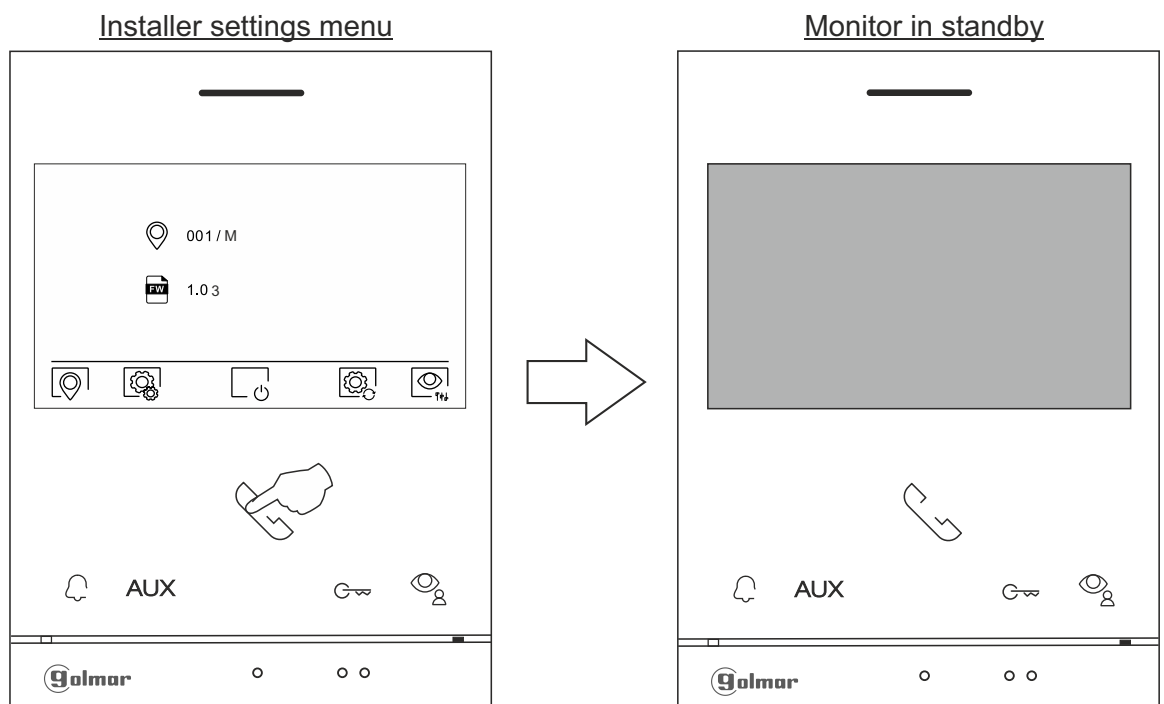
SPECIAL CODES

Then, press the button below icon  to select the field to be modified and press the buttons below icons  /  to enter the desired code. Once the code has been entered, press the button below icon  to validate it. If the code entered is valid, icon  will be displayed; if it is not, icon  will be shown.

Press the button below icon  to return to the 'Installer settings menu'.



Press the push button  located below the icon  to exit the menu with the monitor in standby (screen off).



Continued overleaf

Continued from previous page.

SPECIAL CODES**Video sources available on a monitor (only setting on master monitor).**

	<u>Visible</u>	<u>Not Visible</u>	<u>Factory setting</u>
Door panel 1	0111	0110	0111
Door panel 2	0121	0120	0120
(*) Door panel 3	0131	0130	0130
(*) Door panel 4	0151	0150	0150
Camera 1	0141	0140	0140
Camera 2	0181	0180	0180
(*) Camera 3	0171	0170	0170
(*) Camera 4	0191	0190	0190

(*) **Important: For apartments with more than two door panels, the power supply must be replaced with the 12240100 FA-G2+ (30V 1.5A).**

Automatic opening upon reception of a call on a monitor (only setting on master monitor).

<u>Activated</u>	<u>Deactivated</u>	<u>Factory setting</u>
0441	0440	0440

Do not display the image on monitor when receiving a call from the door panel and the monitor is in "do not disturb" mode.

<u>Do not display</u>	<u>Display</u>	<u>Factory setting</u>
0481	0480	0480 (enable)

Enable/disable the icon of the main menu in all monitors (building).

<u>Enable</u>	<u>Disable</u>	<u>Factory setting</u>
0541	0540	0541 (habilitado)

Activation times of the outputs (Door panel 1). (Only setting on master monitor).

		<u>Factory setting</u>
Lock release	From 0200 (0.5s) to 0219 (10s)	0205 (3s)
Relay	From 0300 (0.5s) to 0319 (10s)	0301 (1s)

Setting the remote activation button (Door panel 1). (Only setting on master monitor).

		<u>Factory setting</u>
Delay	From 0400 (0.5s) to 0419 (10s)	0403 (2s)
Output	0430 (lock release) or 0431 (relay)	0430 (lock release)

Activation times of the outputs (Door panel 2). (Only setting on master monitor).

		<u>Factory setting</u>
Lock release	From 1200 (0.5s) to 1219 (10s)	1205 (3s)
Relay	From 1300 (0.5s) to 1319 (10s)	1301 (1s)

Setting the remote activation button (Door panel 2). (Only setting on master monitor).

		<u>Factory setting</u>
Delay	From 1400 (0.5s) to 1419 (10s)	1403 (2s)
Output	1430 (lock release) or 1431 (relay)	1430 (lock release)

Activation times of the outputs (Door panel 3). (Only setting on master monitor).

		<u>Factory setting</u>
Lock release	From 2200 (0.5s) to 2219 (10s)	2205 (3s)
Relay	From 2300 (0.5s) to 2319 (10s)	2301 (1s)

Setting the remote activation button (Door panel 3). (Only setting on master monitor).

		<u>Factory setting</u>
Delay	From 2400 (0.5s) to 2419 (10s)	2403 (2s)
Output	2430 (lock release) or 2431 (relay)	2430 (lock release)

Activation times of the outputs (Door panel 4). (Only setting on master monitor).

		<u>Factory setting</u>
Lock release	From 3200 (0.5s) to 3219 (10s)	3205 (3s)
Relay	From 3300 (0.5s) to 3319 (10s)	3301 (1s)

Continued from previous page.

SPECIAL CODES**(*) Setting the remote activation button (Door panel 4). (Only setting on master monitor).**

		<u>Factory setting</u>
Delay	From 3400 (0.5s) to 3419 (10s)	3403 (2s)
Output	3430 (lock release) or 3431 (relay)	3430 (lock release)

Night vision illuminaton leds (Door panel 1), during call or communication process. (Only setting on master monitor).

<u>Automatic</u>	<u>Always ON</u>	<u>Always OFF</u>	<u>Factory setting</u>
0450	0451	0452	0450 (automatic).

Night vision illuminaton leds (Door panel 2), during call or communication process. (Only setting on master monitor).

<u>Automatic</u>	<u>Always ON</u>	<u>Always OFF</u>	<u>Factory setting</u>
1450	1451	1452	1450 (automático).

(*) Night vision illuminaton leds (Door panel 3), during call or communication process. (Only setting on master monitor).

<u>Automatic</u>	<u>Always ON</u>	<u>Always OFF</u>	<u>Factory setting</u>
2450	2451	2452	2450 (automático).

(*) Night vision illuminaton leds (Door panel 4), during call or communication process. (Only setting on master monitor).

<u>Automatic</u>	<u>Always ON</u>	<u>Always OFF</u>	<u>Factory setting</u>
3450	3451	3452	3450 (automático).

Activate/ deactivate the ring tone (Door panel1). (Only setting on master monitor):

<u>Activated</u>	<u>Deactivated</u>	<u>Factory setting</u>
1701	1700	1701

Activate/ deactivate the ring tone (Door panel 2). (Only setting on master monitor):

<u>Activated</u>	<u>Deactivated</u>	<u>Factory setting</u>
2701	2700	2701

(*) Activate/ deactivate the ring tone (Door panel 3). (Only setting on master monitor):

<u>Activated</u>	<u>Deactivated</u>	<u>Factory setting</u>
3701	3700	3701

(*) Activate/ deactivate the ring tone (Door panel 4). (Only setting on master monitor):

<u>Activated</u>	<u>Deactivated</u>	<u>Factory setting</u>
4701	4700	4701

Set light duration from 1 to 99 seconds (SAR-G2+ relay). (Set only on main monitor).

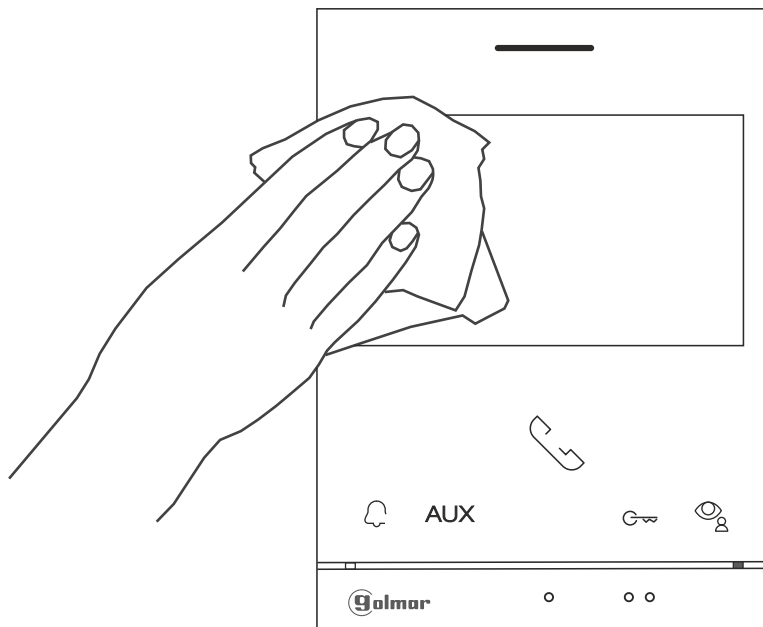
	<u>Factory setting</u>
From 1801 (1s) to 1899 (99s)	1803 (3s)

Set light activation delay time from 0 to 99 seconds (SAR-G2+ relay). (Set only on master monitor).

	<u>Factory setting</u>
From 1900 (0s) to 1999 (99s)	1900 (0s)

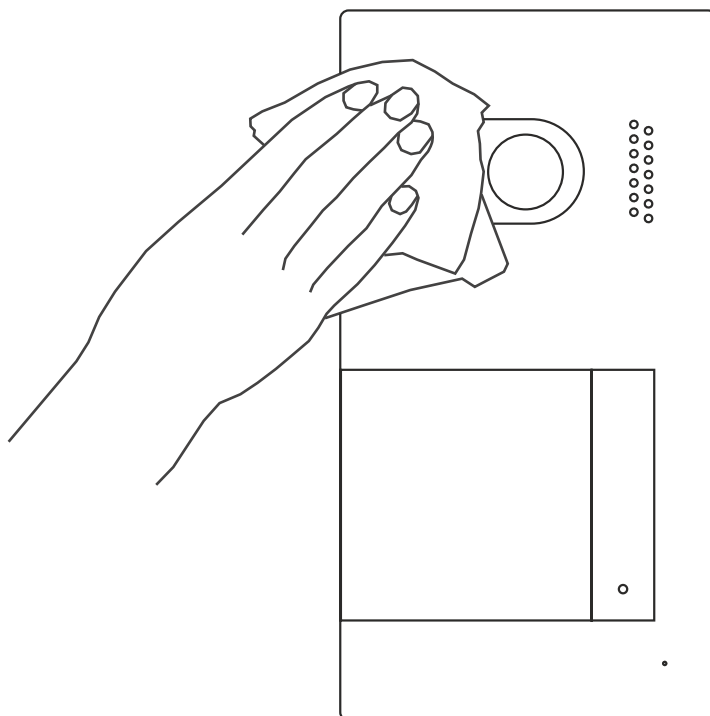
CLEANING THE MONITOR

- Do not use solvents, detergents or cleaning products that contain acids, vinegar or abrasive components.
- Use a soft damp cloth (not wet) that sheds no fibres.
- Always wipe the monitor in the same direction, from top to bottom.
- After cleaning the monitor, remove any moisture with a soft dry cloth that sheds no fibres.



CLEANING THE DOOR PANEL

- Do not use solvents, detergents or cleaning products that contain acids, vinegar or abrasive components.
- Use a soft damp cloth (not wet) that sheds no fibres.
- Always wipe the door panel in the same direction, from top to bottom.
- After cleaning the door panel, remove any moisture with a soft dry cloth that sheds no fibres.



NOTAS

COMPLIANCE:

Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto a la Seguridad Eléctrica **2014/35/CEE** y la Compatibilidad Electromagnética **2014/30/CEE**.

*This product meets the essentials requirements of applicable European Directives regarding Electrical Safety **2014/35/ECC** and Electromagnetic Compatibility **2014/30/ECC**.*



NOTA: El funcionamiento de este equipo está sujeto a las siguientes condiciones:

(1) Este dispositivo no puede provocar interferencias dañinas, y (2) debe aceptar cualquier interferencia recibida, incluyendo las que pueden provocar un funcionamiento no deseado.

NOTE: Operation is subject to the following conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any received interference, including the ones that may cause undesired operation.



golmar@golmar.es

www.golmar.es

GOLMAR S.A.
C/ Silici, 13
08940- Cornellá de Llobregat
SPAIN



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