

Kit Soul



G2+ 2-wire installation Art 4W Lite 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 4W LITE 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 two 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 two access doors, the other door panel 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 icon  displayed on the screen will blink green. 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.

- If call transfer to your mobile phone has been programmed, you can cancel the transfer at any time from the monitor, with it being necessary to communicate with the door panel from the main menu.

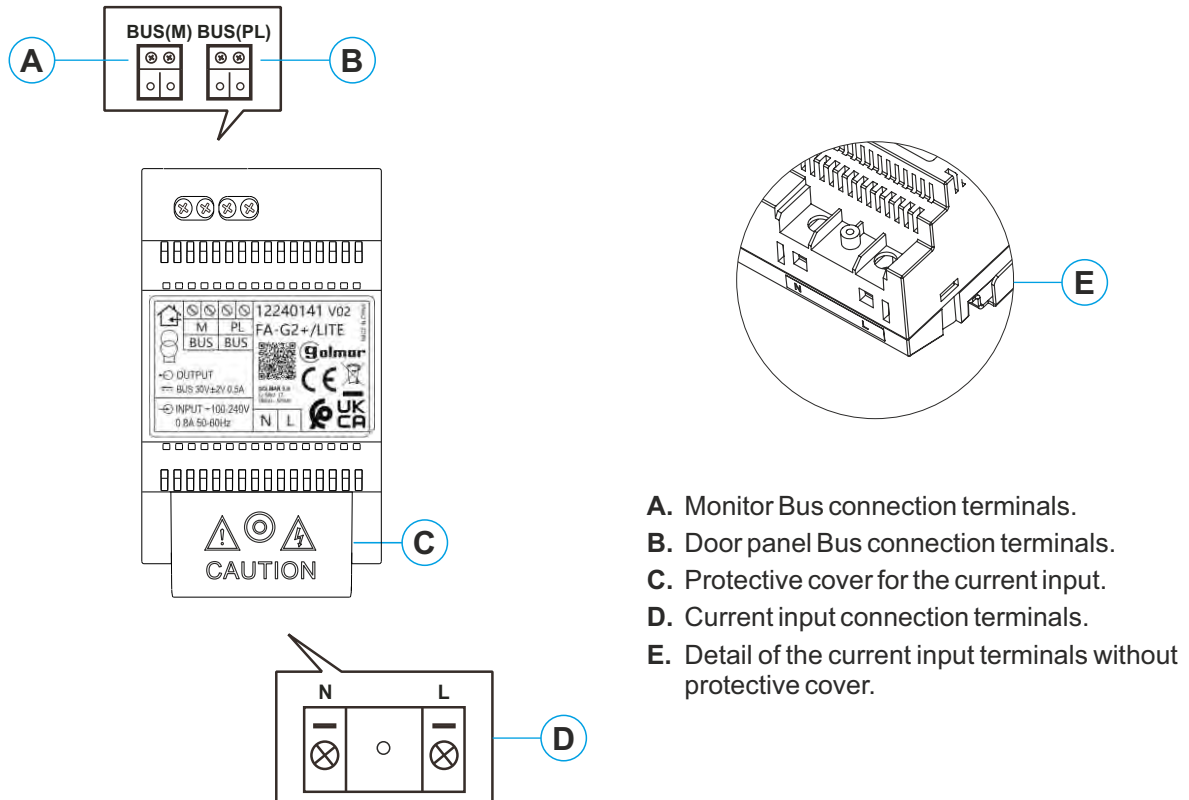
To establish communication, press the button below the off-the-hook icon  shown on the screen. Door panel LED  will illuminate. Communication will last for 90 seconds or until the button below on-the-hook icon  shown on the screen is pressed. When communication has ended, door panel LED  will turn off and the system will become free.

To open door  or activate auxiliary output  of the door panel, press the button below the corresponding icon displayed on the screen. A single press activates the lock release for a 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 25.

FA-G2+/LITE POWER SUPPLY

Description



Installation

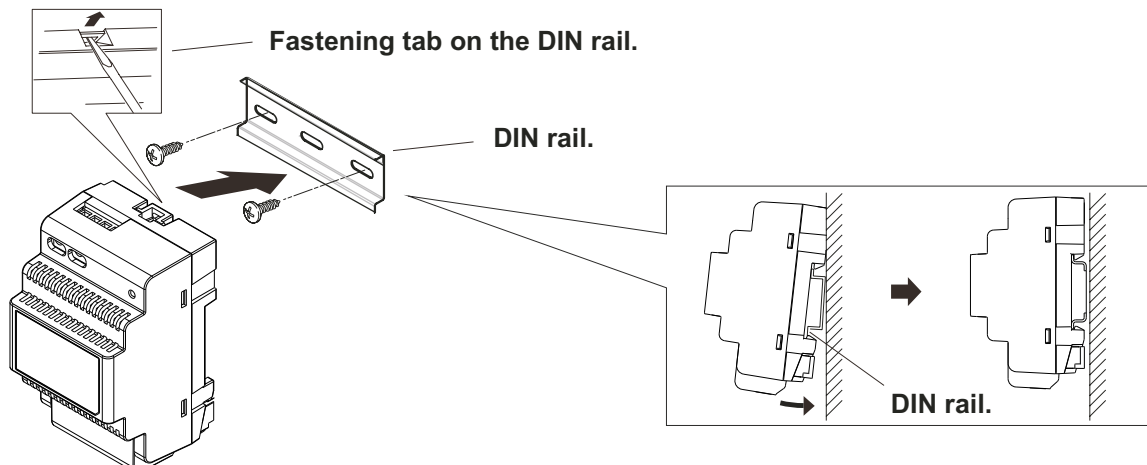
The fitting and handling of the power supply must be carried out by authorised personnel in the absence of electrical current.

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.

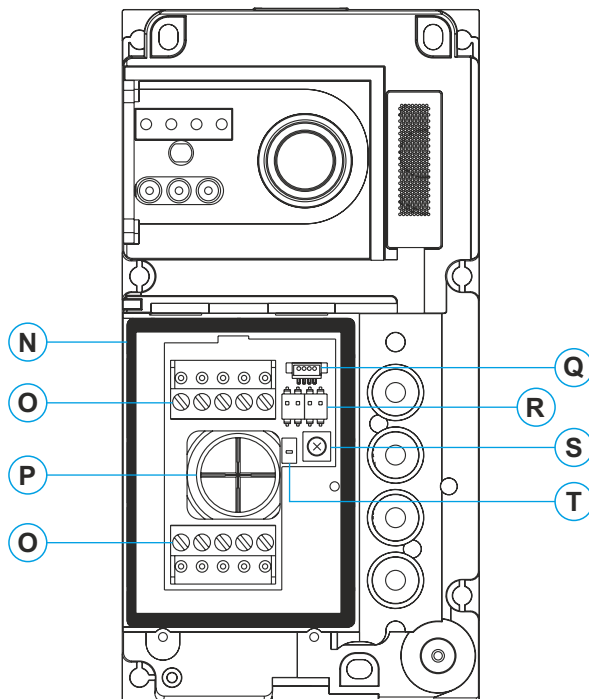
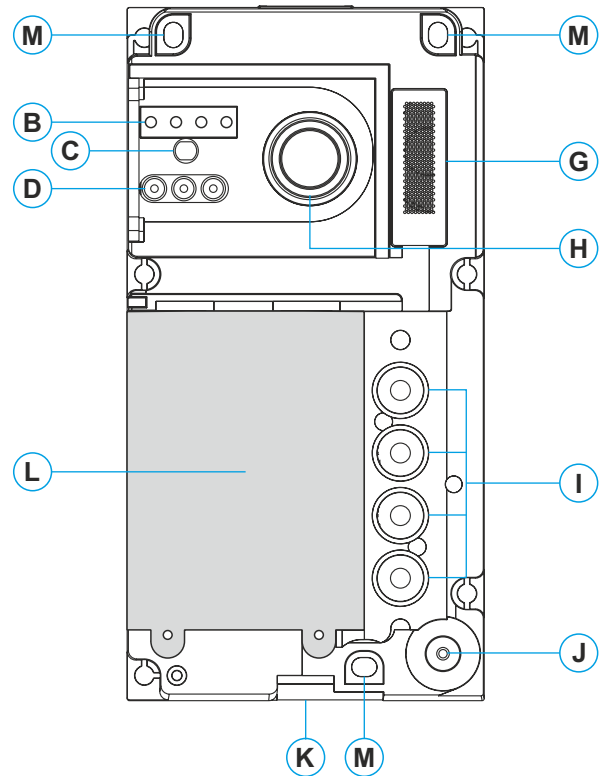
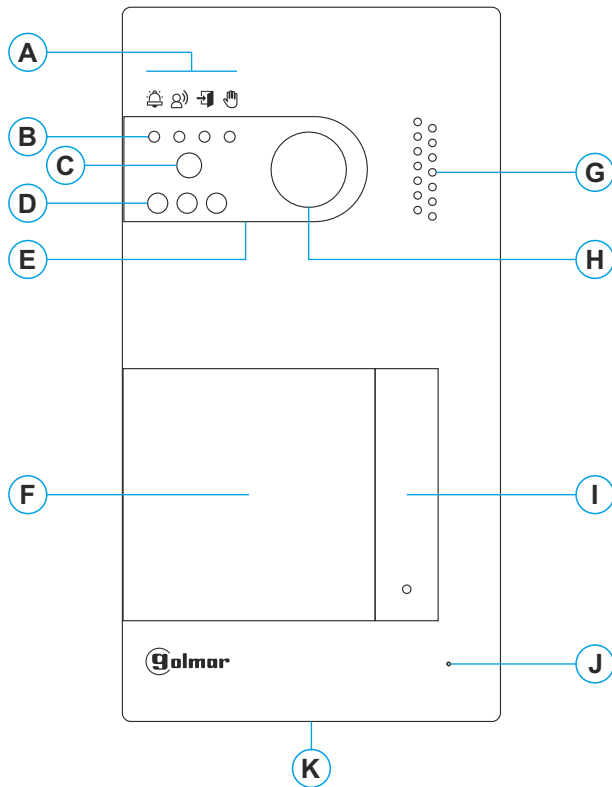
To prevent electric shock, do not remove the protective cover without first disconnecting the power supply. Replace it once all connections have been made.

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.).

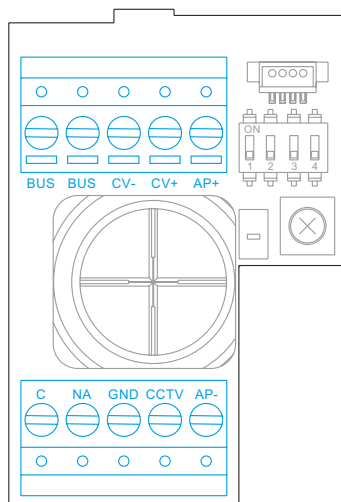
For correct installation: (locate the top of the door panel at a height of 1.65m).

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 300mA).

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 access 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). SAR-12/24 relay & a TF-104 transformer required, see pages 26-27 and 32.

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

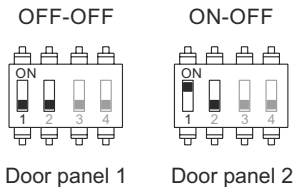
GND, CCTV: input for external analogue camera.

SOUL PANEL-4.3/LITE

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

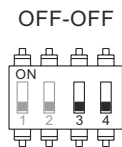
Configuration changes should be made with the equipment turned off. If they are performed with the equipment turned on, disconnect it for 10 seconds after any modification.

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.

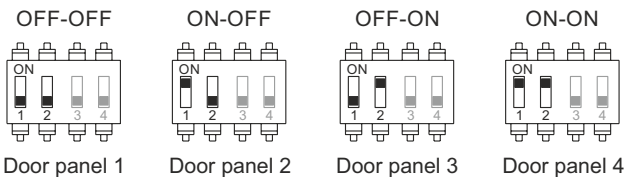
Switches 3 and 4 must be OFF.

Note: See pages 4 & 26 to 27.

Configuration switches (R) up to four 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

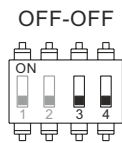
Door panel 2

Door panel 3

Door panel 4

Interruptor 1 y 2.

Define la dirección de la placa.



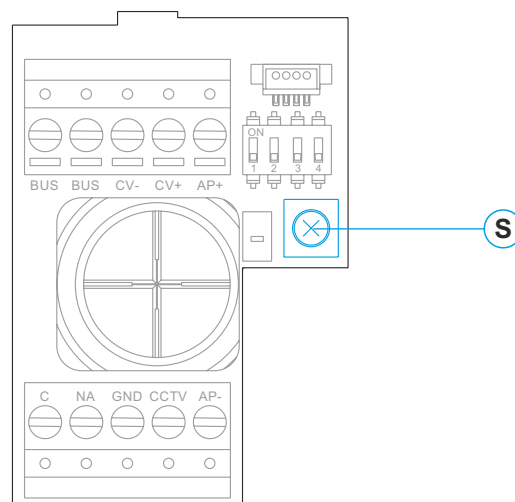
Apartment 1

Interruptores 3 y 4, deben estar en OFF.

Note: See pages 28 to 31

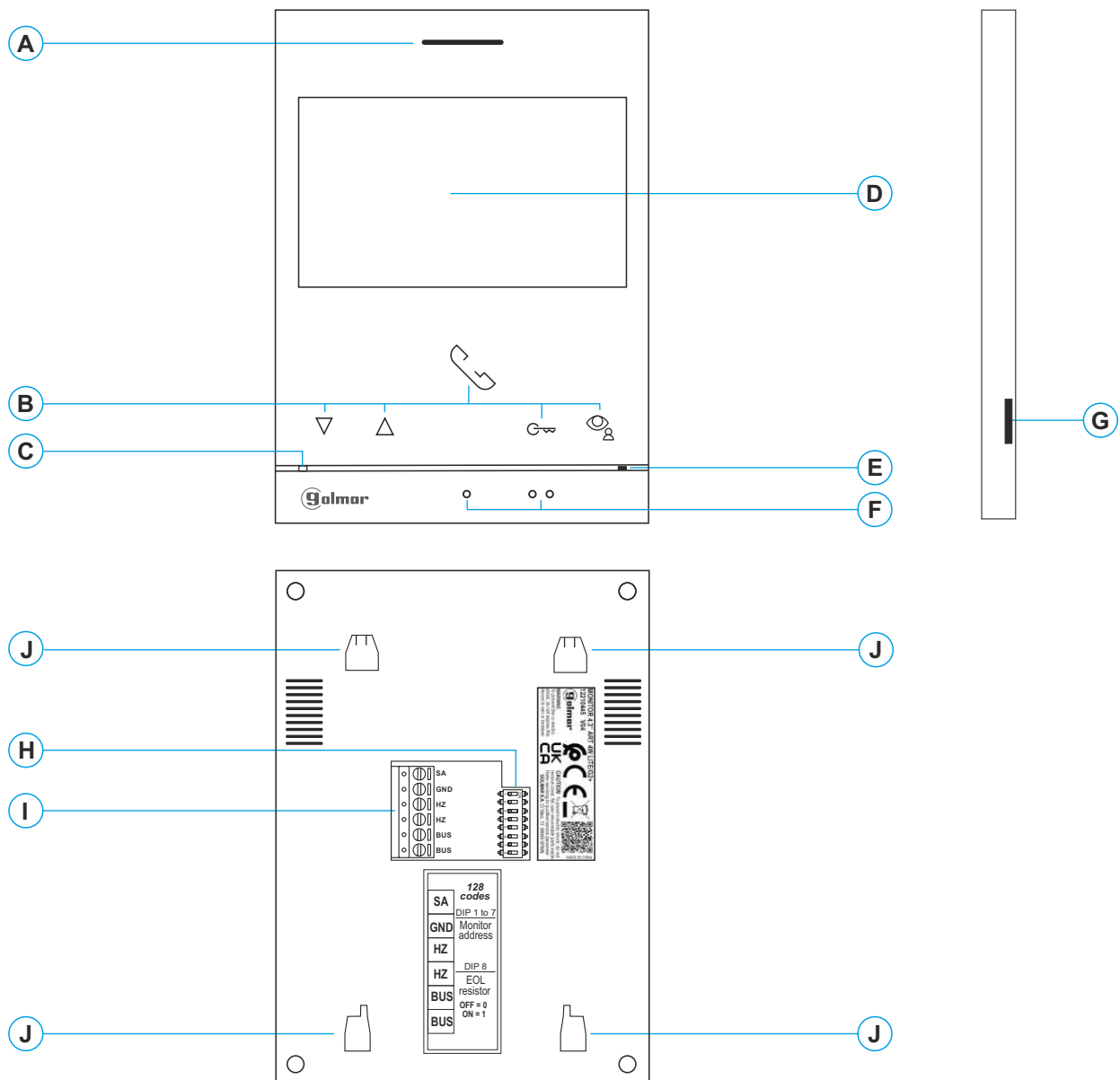
Setting the audio level

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 4W LITE/G2+ MONITOR

Description



A. Speaker.

B. Function buttons, access and selection of menu functions.

The function of each button is shown on the monitor screen with an icon located just above each button (see pp. 10 to 25).

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

- With the special code '0441' (Doctor mode) already entered (see pp. 34 to 35), press the button for 1 sec. to access the menu and activate/ deactivate the function.
- The push button led  will blink in white color and the icon  will be displayed in the main menu if the function 'Doctor mode' is activated and it will turn off if the function is deactivated.

C. Monitor status LED:

- Yellow ON: Standby without notification.
- Red ON: "Do not disturb" Mode activated.
- Red blinking: System is busy.

D. 4.3" TFT colour screen.

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. Golmar use.

H. Configuration switches.

I. Installation terminals.

J. Wall mounting connector fixing (x4).

ART 4W LITE/G2+ MONITOR

Installation

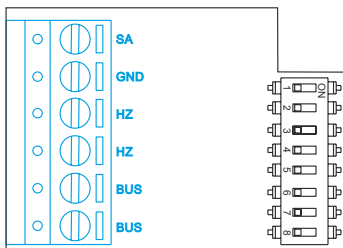
Avoid dusty or smoky environments or locations near sources of heat.

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 (I)

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 (H)

Switches 1 to 7.

These assign the address of the corresponding monitor to its 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.

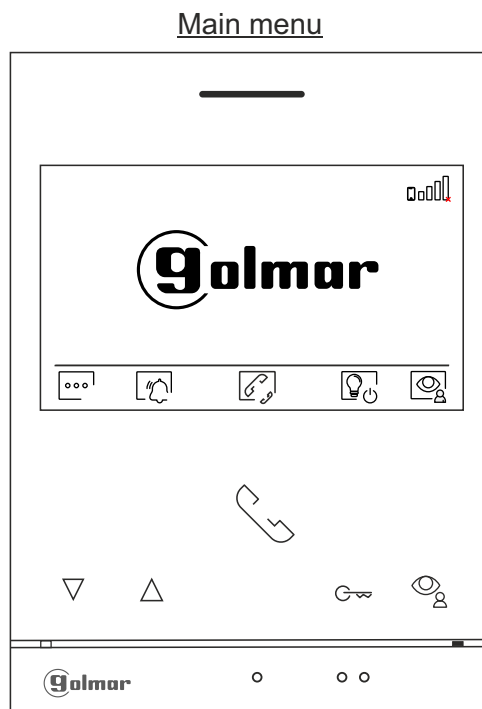
Note: To define whether the monitor is master or slave, configure the corresponding special code:

"0550" Master (factory default), "0551" Slave 1, "0552" Slave 2 or "0553" Slave 3, (see pages 34-35).

Each apartment must have one master monitor, and only one.

ART 4W LITE/G2+ MONITOR

Main menu



If the device is in standby (screen switched off), to access the main menu, press any of the buttons of the monitor. Then press the button located just below the corresponding icon. The device will return to standby mode after 20 seconds without activity.



Press the button below icon  to make changes to the system settings (see pp. 11-13).



Disabled



Enabled

Press the button below icon  for 3 seconds to enable and for 1 second to disable the 'Do not disturb' function: If the monitor is in 'Do not disturb' mode, the status LED will illuminate (red) and the ringtone on the monitor will not sound when a call (see note "HZ" page 9) is received.

With the "Do not disturb" mode deactivated, a one-second press accesses the menu, allowing you to set a "Do not disturb" mode time period (see pages 21 to 22) and set an "Automatic door opening" mode time (see page 22 to 23).



Press the button below icon  to access the menu of the intercom between other monitors in the same apartment (see p. 24 to 25).



Press the button below icon  to "staircase light" activation (SAR-G2+ & SAR-12/24 modules required).



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. 16).

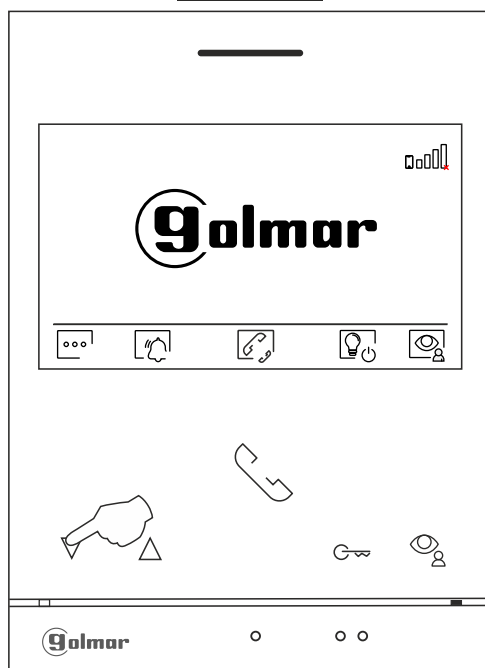
ART 4W LITE/G2+ MONITOR

Settings menu

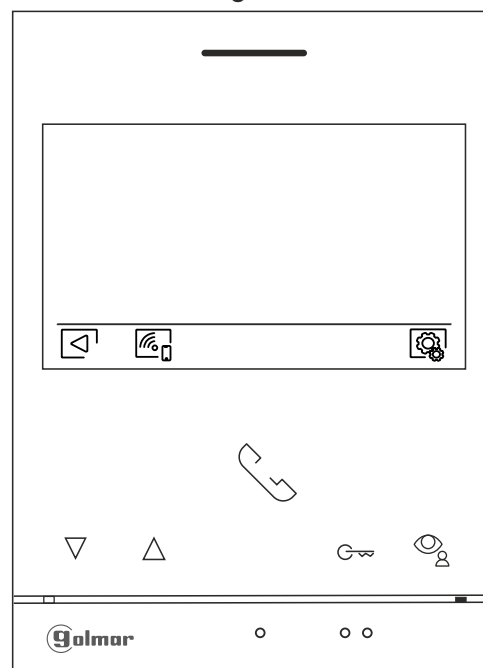


Press the button below icon  to access the settings menu screen.

Main menu

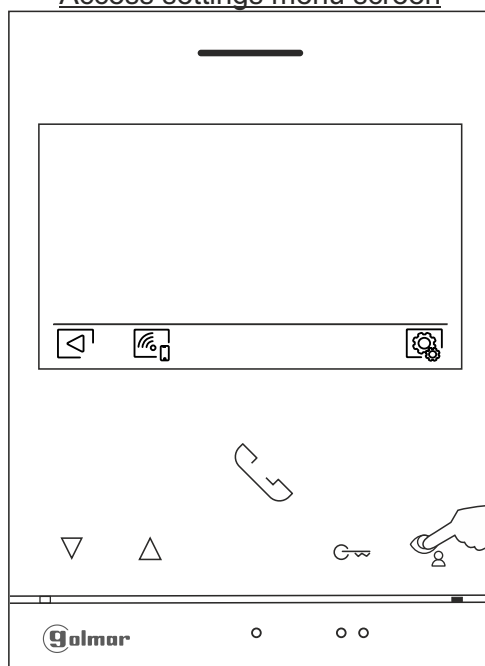


Access settings menu screen

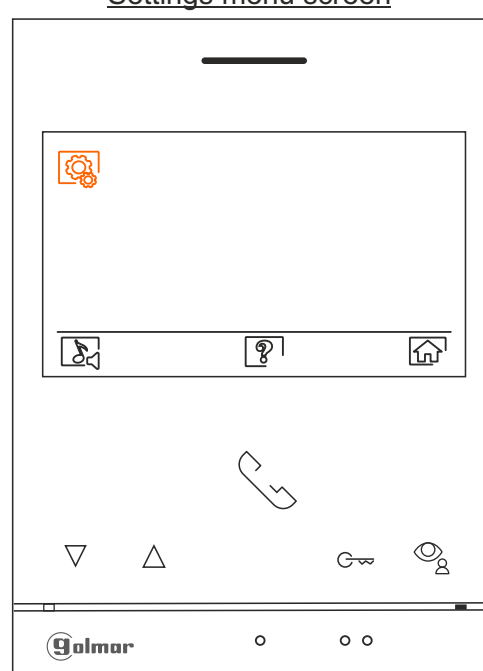


Then press the button below icon  to access the settings menu. If you wish to return to the main menu, press the button below the icon .

Access settings menu screen



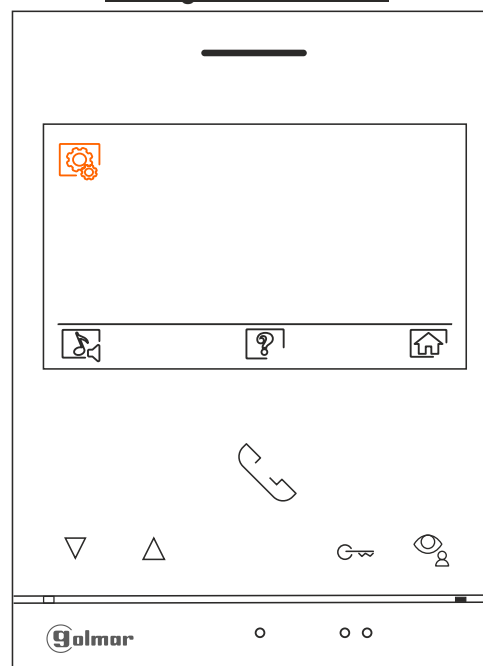
Settings menu screen



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ART 4W LITE/G2+ MONITOR**Settings menu**

Returning to the main menu: Press the button below icon to return to the main menu.

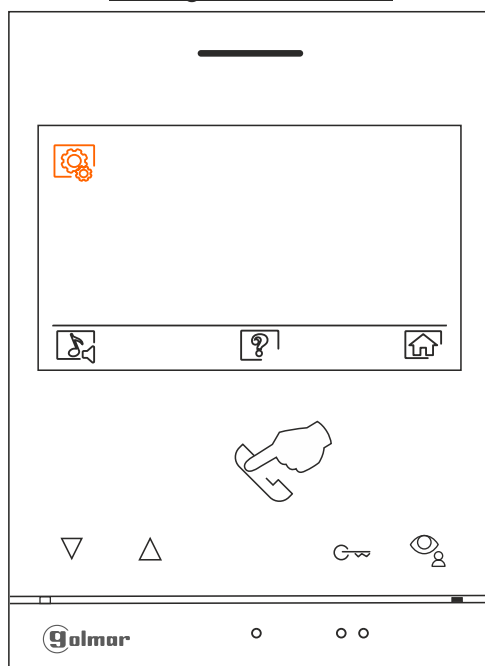
Settings menu screen

The 'About' screen provides information about the monitor, such as the software version, address and whether it is master or slave (M, S1, S2 or S3).

It enables updated versions of the manual to be downloaded to a mobile or tablet, for which it is necessary to have a QR code scanner app installed.

It enables the monitor to be restored to factory settings, such as melodies, call volume, etc.

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

Settings menu screen'About' screen

To restore the monitor to factory settings, press the button below icon to access the factory reset menu, then press the button below icon to perform this function. Press the button below icon to return to the 'About' screen.



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

Continued overleaf

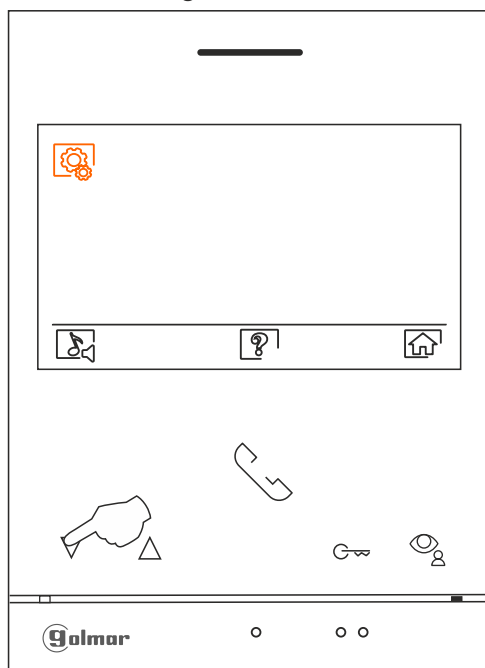
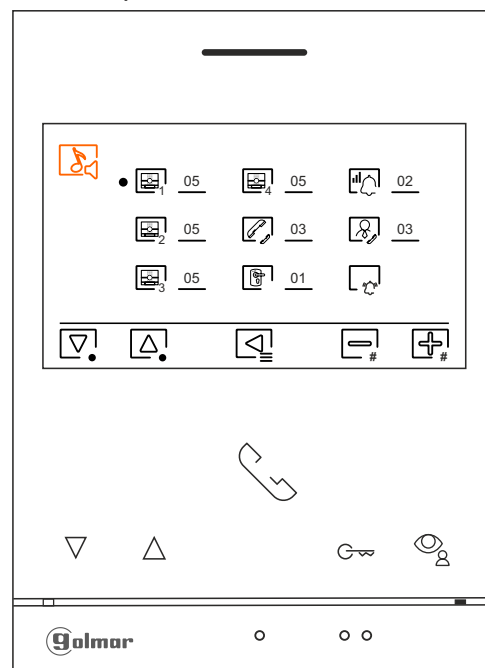
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ART 4W LITE/G2+ MONITOR**Settings menu**

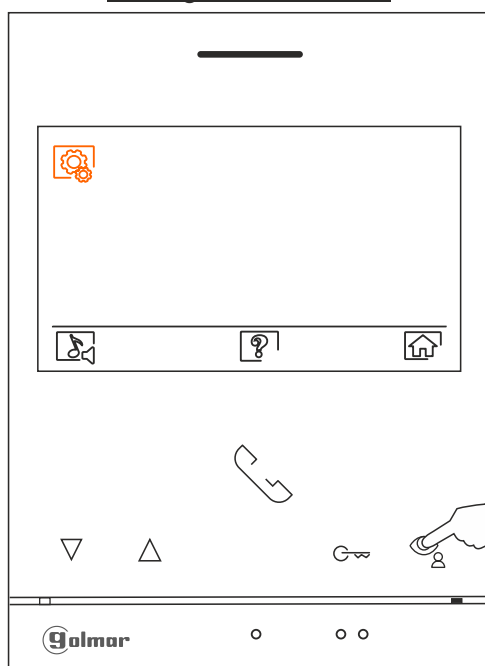
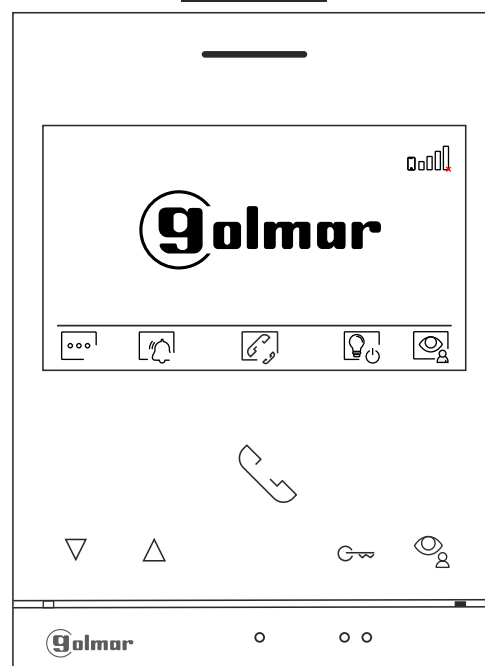
Selecting the melody and call volume: Press the button below icon  to access the settings screen. In order to identify the origin of the calls when you are not in front of the monitor, select different melodies and the desired call volume. Go to the option to be modified by pressing the buttons below corresponding icons  / , then press the buttons below corresponding icons  /  to select the melodies and desired call volume. Press the button below icon  to return to the settings menu.

Note: 45-second ringtone duration function disabled  (factory default).

45-second ringtone duration feature activated .

Settings menu screenOption selection screen

Press the button below icon  to return to the main menu.

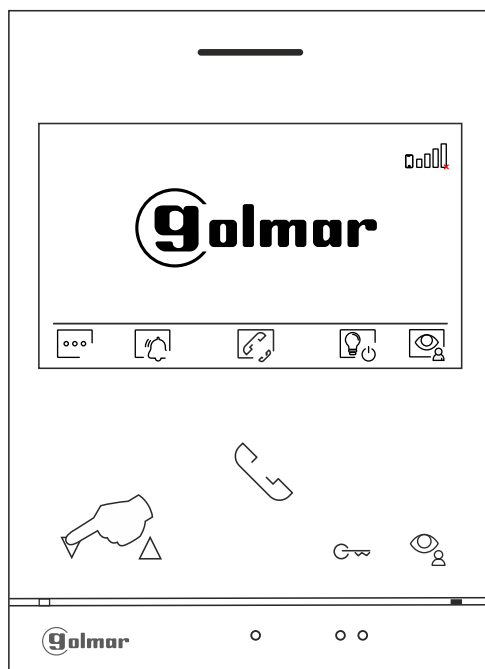
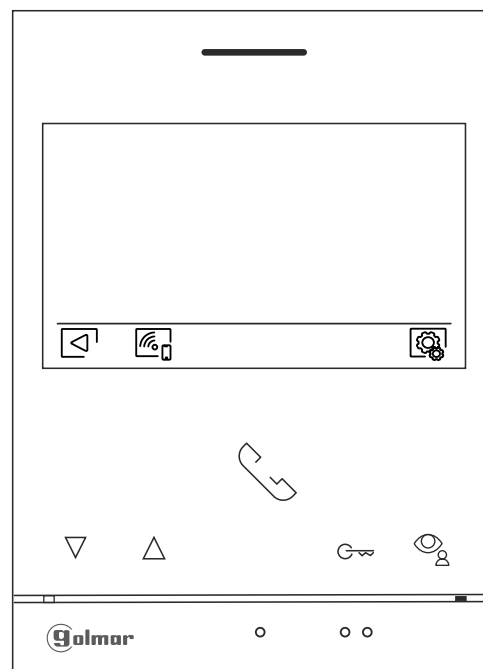
Settings menu screenMain menu

ART 4W LITE/G2+ MONITOR

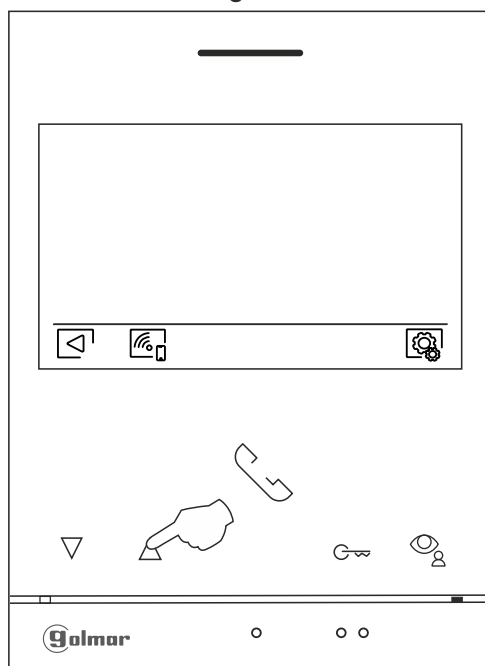
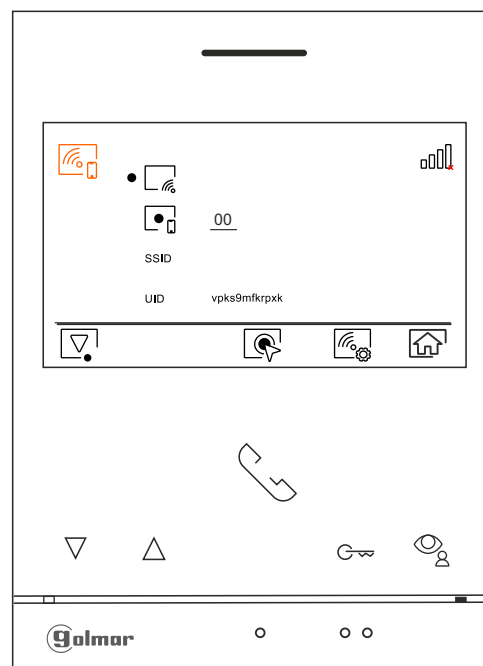
Wi-Fi menu



Press the button below icon  to access the settings menu screen.

Main menuAccess settings menu screen

Then press the button below icon  to access the settings Wi-Fi menu. If you wish to return to the main menu, press the button below the icon .

Access settings menu screenWi-Fi menú screen

Continued from previous page.

ART 4W LITE/G2+ MONITOR

Wi-Fi menu

During the first startup of the device, we recommend resetting the Wi-Fi parameters, press the button below the icon  on the next screen press the button below the icon  and then confirm by pressing the button below the icon .

Important: Only the master monitor can activate Wi-Fi transmission. (No additional power supply required in the apartment).

The Wi-Fi menu shows information about the identity of the monitor (UID), the name of the network to which it is connected (SSID) and the signal strength. To connect the monitor to your Wi-Fi network, (*) you must use the app G2Call+:

G2Call+: PFor the configuration and settings of the application, click on the following link to access the ["TAPP G2Call+ G2+ V02"](#) manual.

To activate  / deactivate  the call forwarding mode, go to the option with the icon  by pressing the push button under the icon , select the desired option by pressing the push button under the icon .

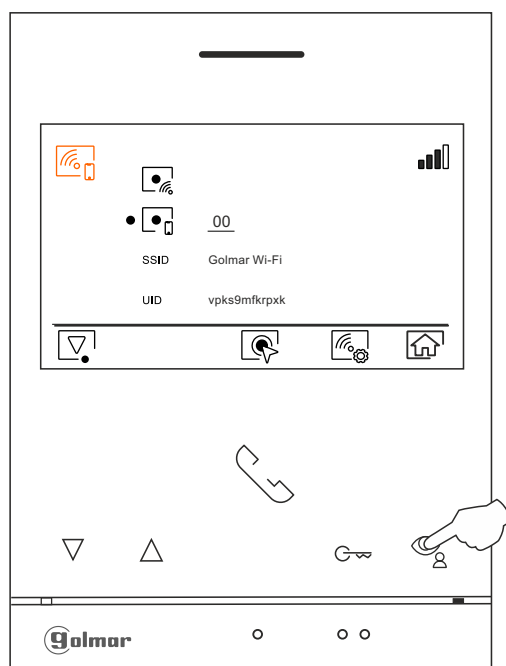
If you wish to select a time (from 00 to 45 seconds) of delay in call transfer, go to the option with the icon  by pressing the push-button under the icon , select the option by pressing the push-button under the icon . You can then set the call transfer delay time by pressing the push-buttons under the corresponding icons  /  to select the desired time, validate the changes made by pressing the push-button under the icon .

Default without delay: "00" seconds, start of call transfer to the mobile 3 seconds after the call is made on the door panel.

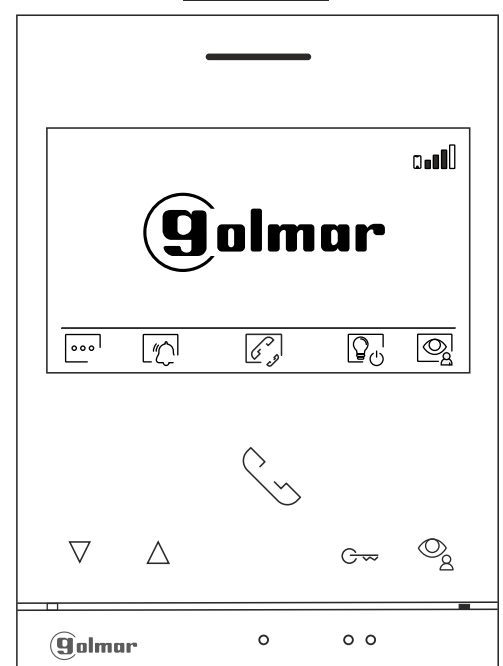
With delay: Up to "45" seconds, call transfer to the mobile phone starts 48 seconds after the call is made on the door panel.

Press the push button below the icon  to return to the main menu screen. If the "call forwarding" mode has been activated and the monitor is connected to your wi-fi network, the icon  will be displayed in the main menu. If the "call forwarding" mode has been deactivated, the icon  will be displayed in the main menu.

Wi-Fi menú screen

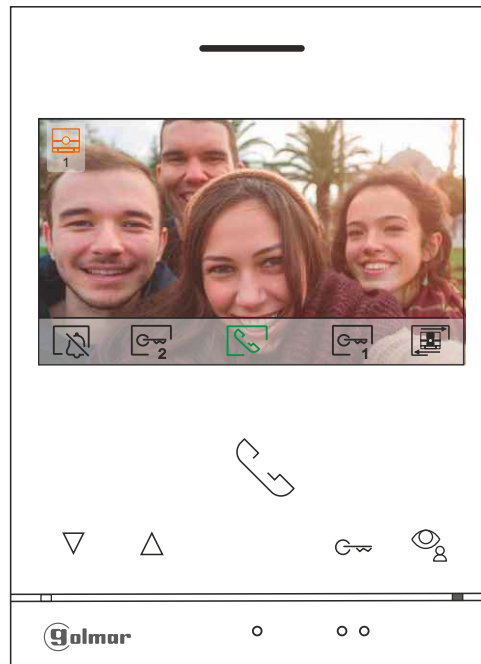


Main menu



ART 4W LITE/G2+ MONITOR

Door panel call screen



This screen is displayed when receiving a call or pressing the button below icon  of the main menu. During a call, icon  displayed on the screen is in green color (during the call process). In the top left of the screen, the source of the image is displayed. The call has a duration of 45 seconds.



End the call tone on the monitor.



Press the button below icon  to "staircase light" activation (SAR-G2+ & SAR-12/24 modules required). **Note: Displayed on the screen during a call or communication process if the function to change the source of the image is not activated by displaying the icon  on the screen instead.**



Press the button below icon  for 3 seconds to access the image and monitor in call tone volume settings menu. Select the option to be modified by pressing the buttons below corresponding icons  / , change to the desired level by pressing the buttons below corresponding icons  /  and validate the changes made by pressing the button below icon , (ver pág. 18 to 20).



Press the button below icon  to change the source of the image as long as the system has more than one door panel or has an external camera connected and display has been activated (see pp. 34 to 35). It is possible to make the change during display, call and communication processes.



Press the button below icon  /  to start or end audio communication with the door panel displayed respectively. Communication has a maximum duration of 90 seconds. Once communication has ended, the screen will turn off.



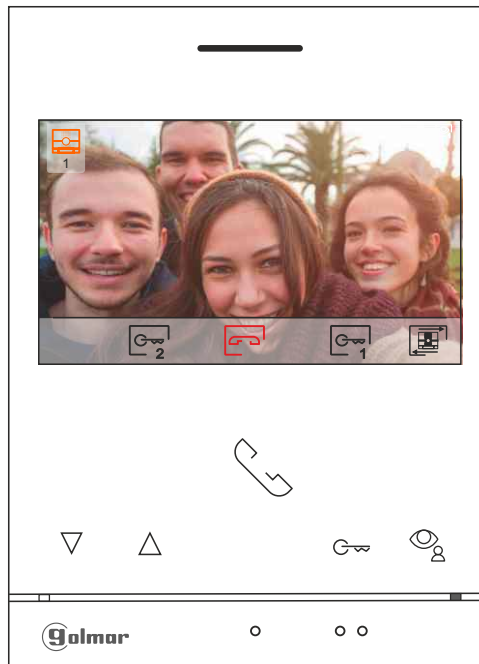
Press the hidden button below icon  to activate the lock release (or device connected to the CV output of the door panel) for 3 seconds (factory setting, see pp. 34 to 35).



Press the hidden button below icon  to activate the lock release (or device connected to the relay output of the door panel) for 1 second (factory setting, see pp. 34 to 35).

ART 4W LITE/G2+ MONITOR

Communication screen



This screen is displayed during a communication process. During a communication, icon  displayed on the screen is in green color. In the top left of the screen, the source of the image is displayed. The communication has a duration of 90 seconds.



Press the button below icon  to "staircase light" activation (SAR-G2+ & SAR-12/24 modules required). **Note: Displayed on the screen during a call or communication process if the function to change the source of the image is not activated by displaying the icon  on the screen instead.**



Press the button below icon  for 3 seconds to access the image and monitor in communication volume settings menu. Select the option to be modified by pressing the buttons below corresponding icons  / , change to the desired level by pressing the buttons below corresponding icons  /  and validate the changes made by pressing the button below icon , (ver pág. 18 to 20).



Press the button below icon  to change the source of the image as long as the system has more than one door panel or has an external camera connected and display has been activated (see pp. 34 to 35). It is possible to make the change during display, call and communication processes.



Press the button below icon  /  to start or end audio communication with the door panel displayed respectively. Communication has a maximum duration of 90 seconds. Once communication has ended, the screen will turn off.



Press the hidden button below icon  to activate the lock release (or device connected to the CV output of the door panel) for 3 seconds (factory setting, see pp. 34 to 35).



Press the hidden button below icon  to activate the lock release (or device connected to the relay output of the door panel) for 1 second (factory setting, see pp. 34 to 35).

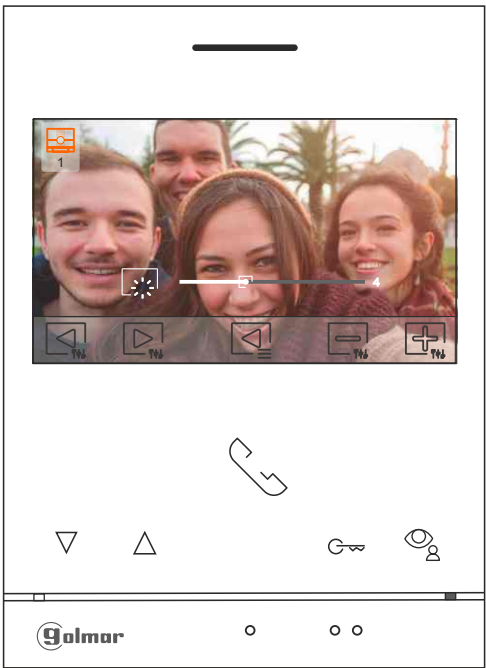
ART 4W LITE/G2+ MONITOR

Image and communication settings

During a call process (**Screen A**) or during a communication process (**Screen B**), press the button below icon  for 3 seconds to access the image and monitor in call/communication volume settings menu.



The following brightness control menu will then be displayed. Adjust to the desired level by pressing the buttons below icons /. To access the contrast control, press the button below icon . To exit the image and communication settings menu, press the button below icon .

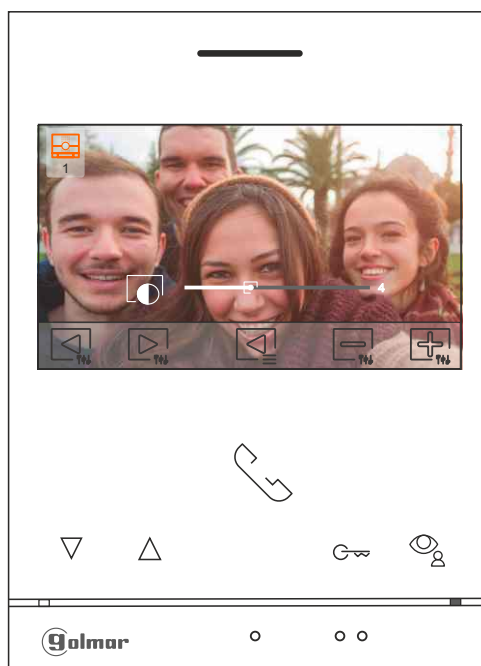


Continued from previous page.

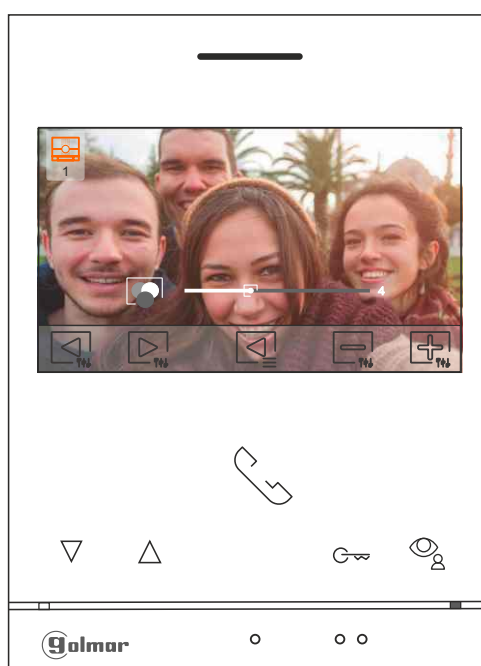
ART 4W LITE/G2+ MONITOR

Image and communication settings

The following contrast control menu will then be displayed. Adjust to the desired level by pressing the buttons below icons  / . To access the colour control, press the button below icon . To exit the image and communication settings menu, press the button below icon .



The following colour control menu will then be displayed. Adjust to the desired level by pressing the buttons below icons  / . To access the monitor call tone / communication volume control, press the button below icon . To exit the image and communication settings menu, press the button below icon .

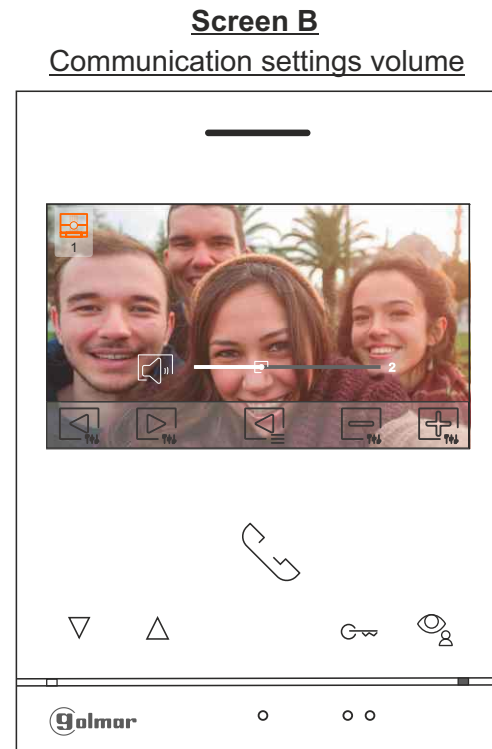
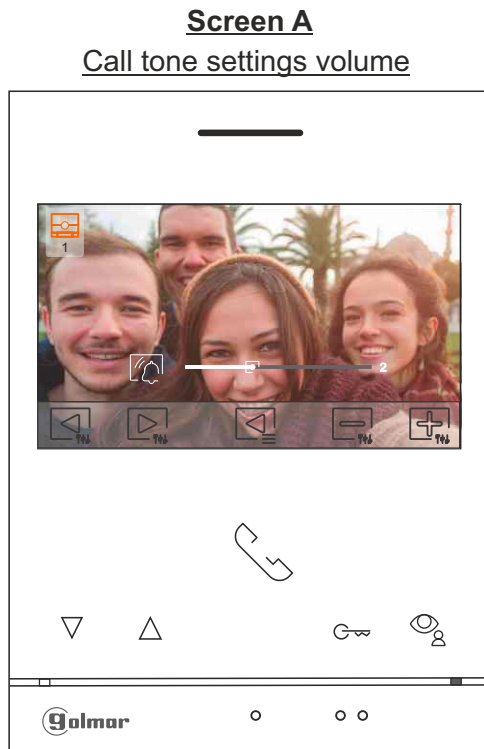


Continued overleaf

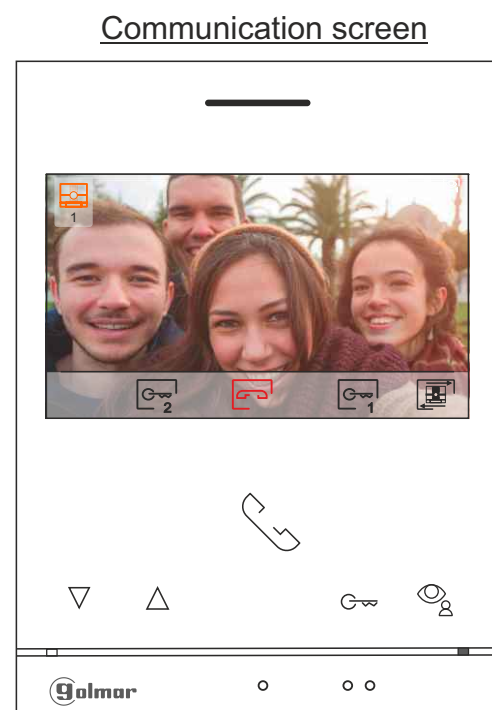
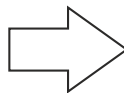
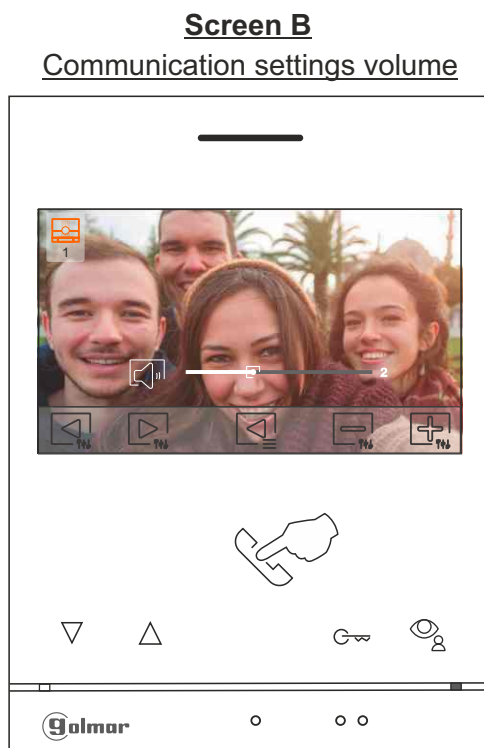
Continued from previous page.
ART 4W LITE/G2+ MONITOR

Image and communication settings

The following call tone settings volume during a call process (**Screen A**) or communication settings volume during a communication process (**Screen B**) will then be displayed. Adjust to the desired level by pressing the buttons below icons / . To return to the brightness control (carousel mode), press the button below icon .



To exit the image and call / communication settings menu, press the button below icon .



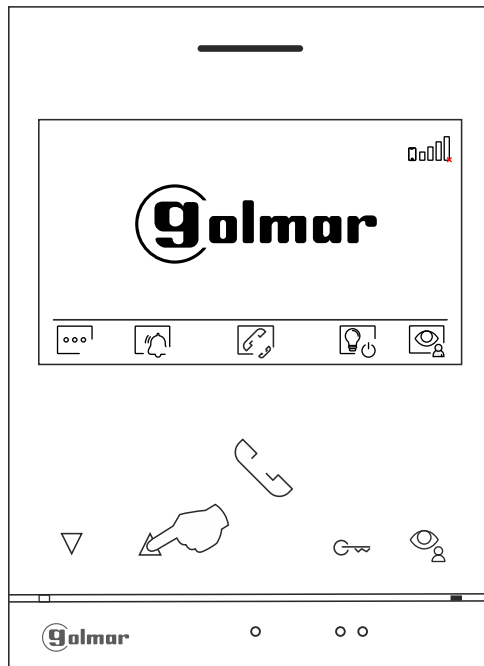
ART 4W LITE/G2+ MONITOR

Period of time for 'do not disturb' mode menú

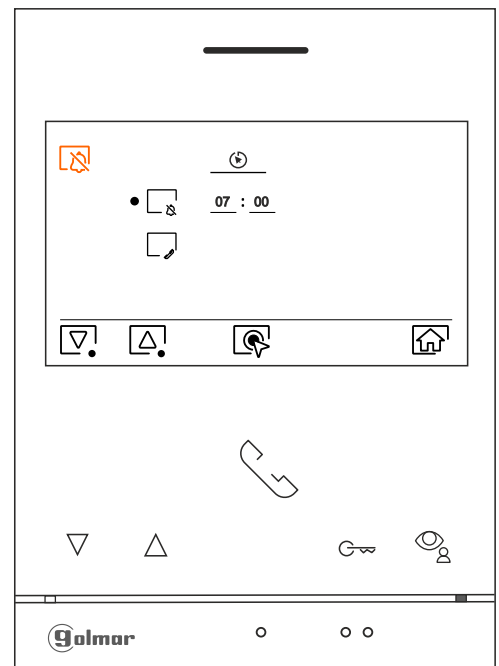


'Do not disturb' mode settings: If the device is in standby (screen switched off), to access the main menu, press any of the buttons of the monitor. Then press the button below icon  to access the settings screen.

Main menu

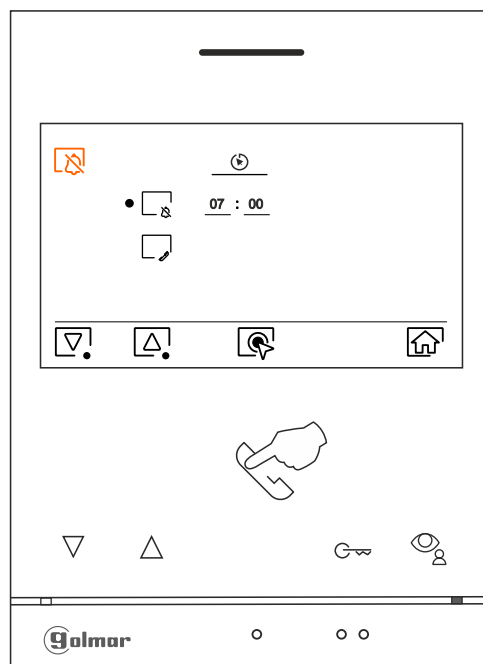


Option selection screen

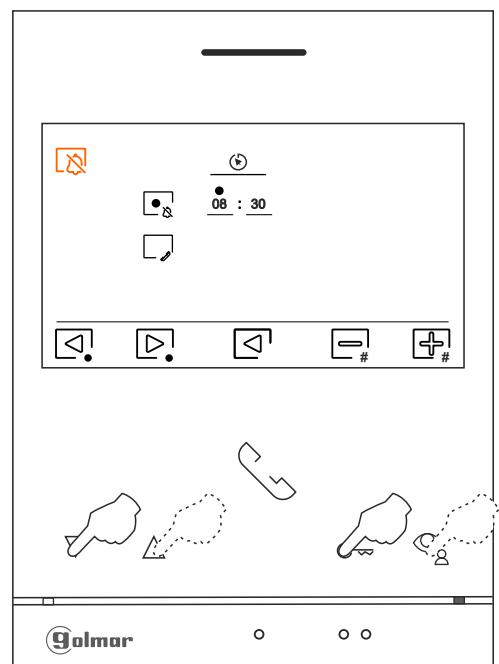


To set a period of time for "Do not disturb" mode in which the monitor will not sound when receiving calls (see note "HZ" page 9), go to the option with icon  pressing the button below icon  or  and select the option by pressing the button below icon . Then you can set a period of time (from 00h & 01 minute to 23h & 59 minutes) for 'Do not disturb' mode, by pressing corresponding buttons /  and / , validate the changes made by pressing the button below icon .

Option selection screen



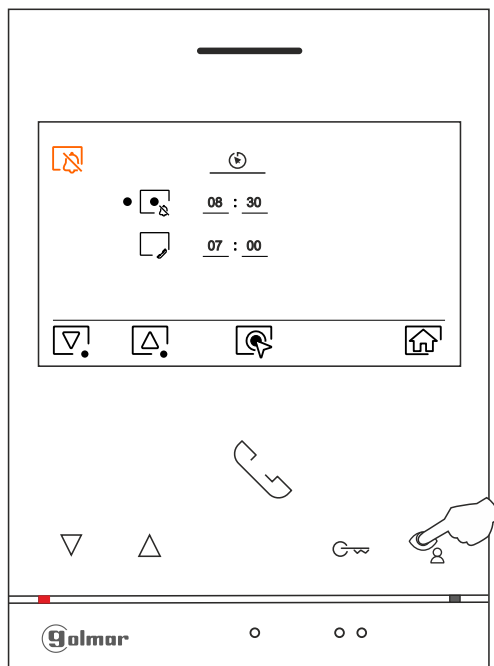
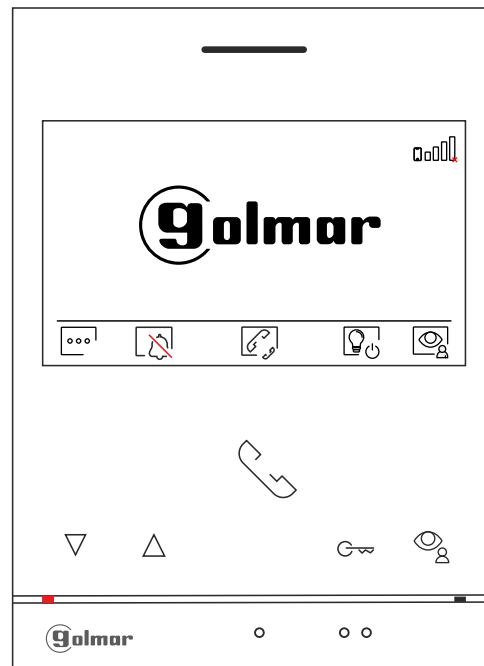
Time period setting screen



Continued from previous page.

ART 4W LITE/G2+ MONITOR**Period of time for 'do not disturb' mode menú**

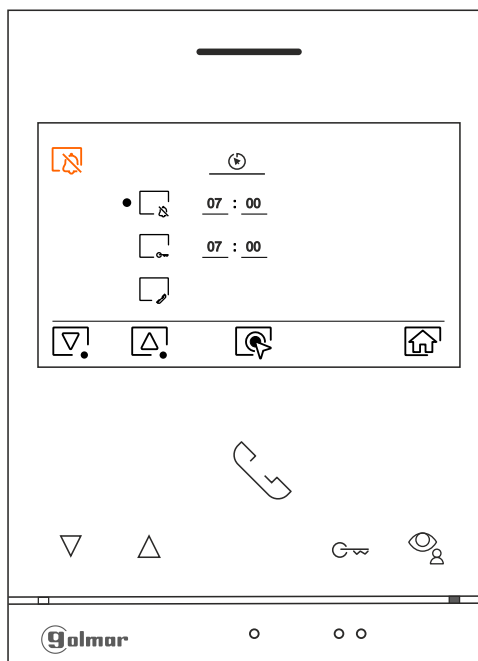
Press the button below icon to return to the main menu. If the 'Do not disturb' mode is enable (see pages 21 to 22) will be shown the icon in the main menu and the monitor status LED will turn on (red color).

Option selection screenMain menu

This selection is unused. **(Factory default this function is deactivated).**



"Automatic door opening": This selection is visible in the "Do Not Disturb" settings menu, with the special code '0441' (Doctor mode) already entered in the monitor for automatic door opening (see special codes pp. 34 to 35). **Note:** In standby monitor, you can also access the menu by pressing the push button (blinking in white color) on the monitor.

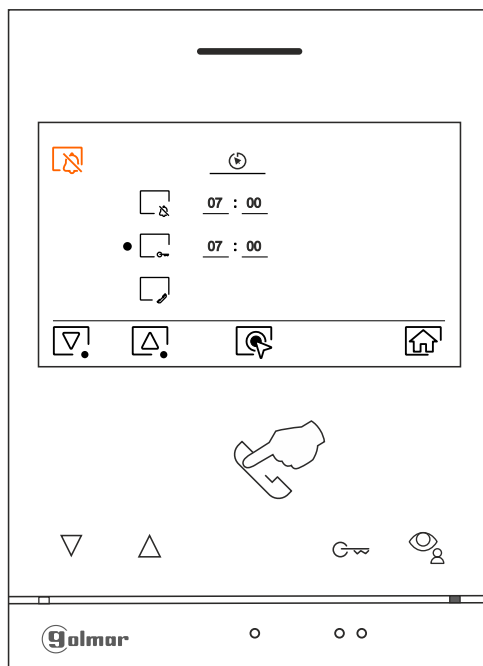
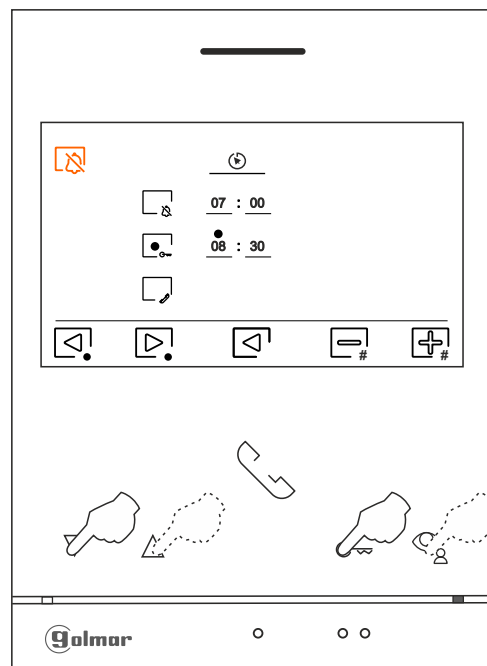
Option selection screen

Continued overleaf

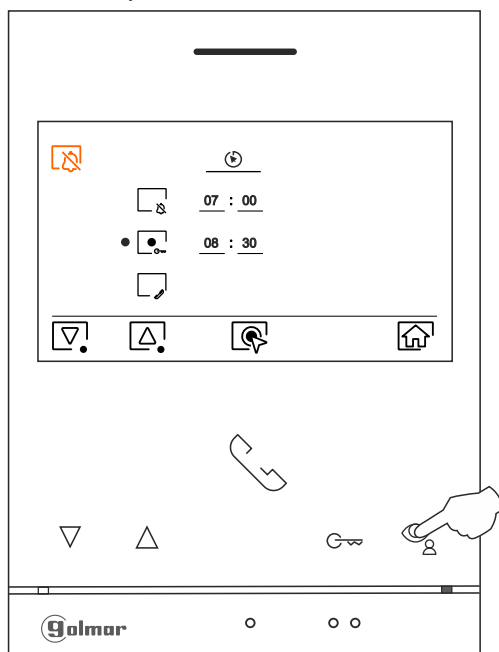
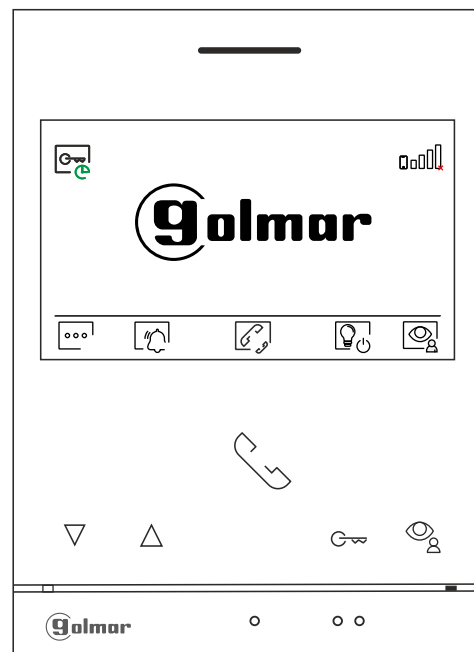
Continued from previous page.

ART 4W LITE/G2+ MONITOR**Period of time for 'do not disturb' mode menú**

To set a period of time for automatic door opening  mode (after 3 seconds of receiving a call from the door panel), go to the option with icon  pressing the button below icon  or  and select the option by pressing the button below icon . Then you can set a period of time (from 00h & 01 minute to 23h & 59 minutes) for 'Automatic door opening' mode, by pressing corresponding buttons  /  and  / , validate the changes made by pressing the button below icon .

Option selection screenTime period setting screen

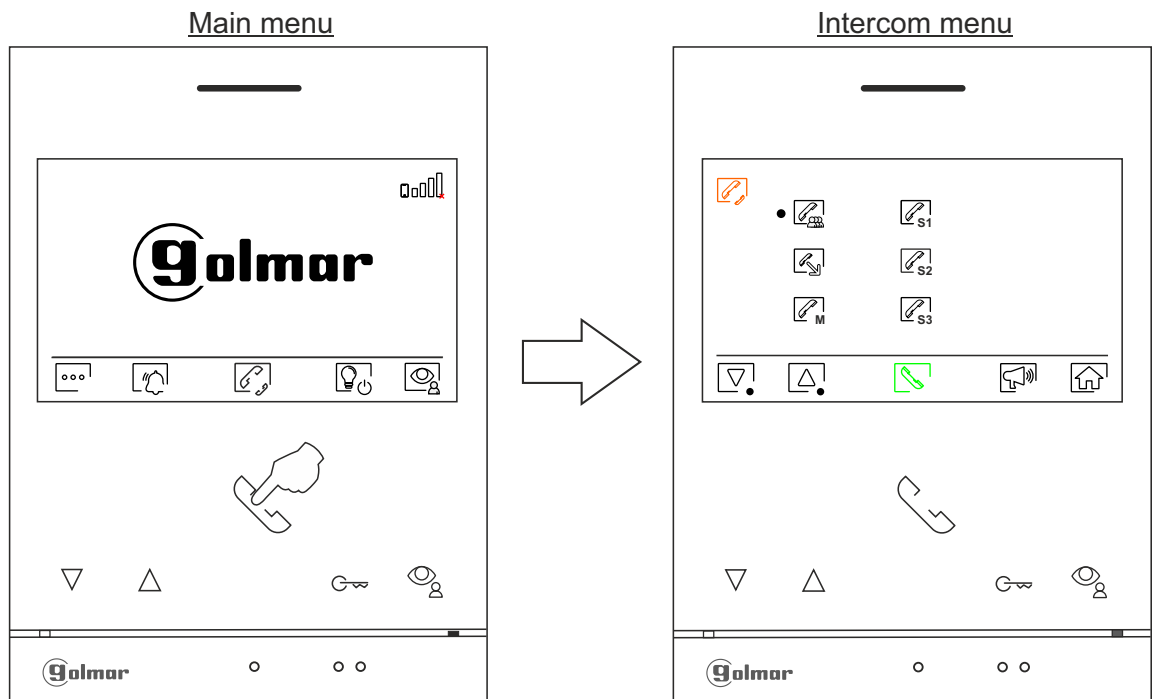
Press the push button below the  icon to return to the main menu screen. If the "automatic door opening" mode has been activated (see page 23) the  icon will be displayed at the top left of the main menu screen and the led of the  push button will blink in white color when the monitor is in standby mode (screen off).

Option selection screenMain menu

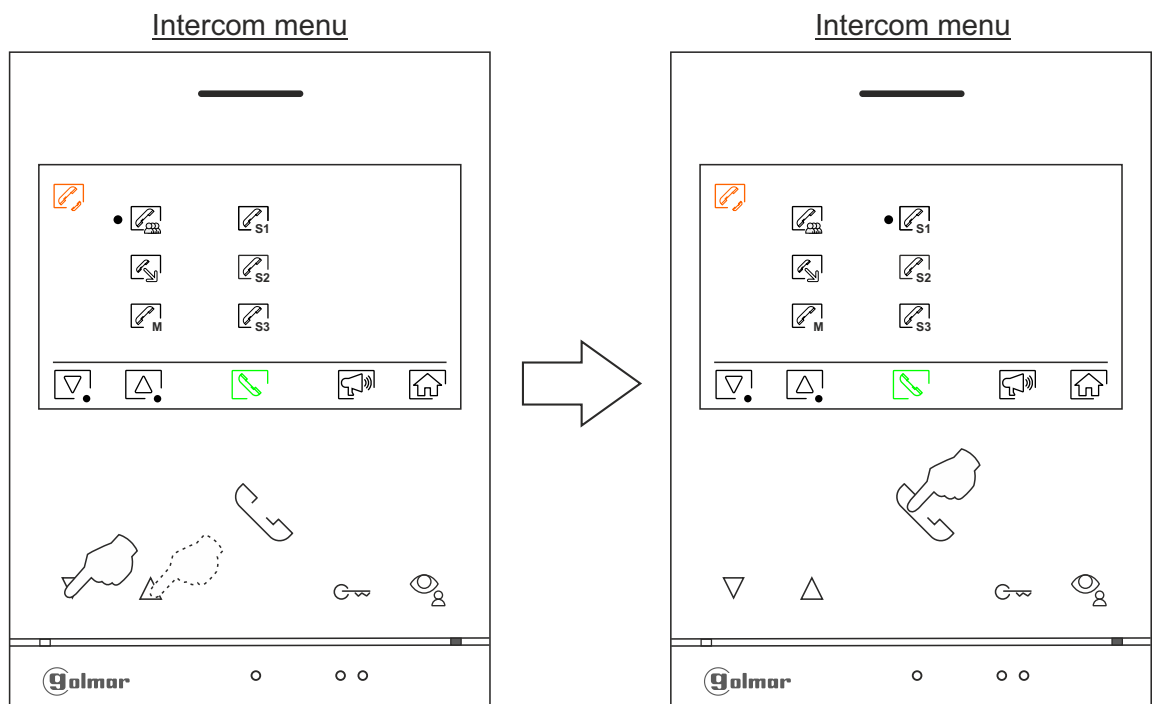
ART 4W LITE/G2+ MONITOR

Intercom menu

If the unit is in standby mode (screen off), press any of the buttons on the monitor to access the main menu. Then press the button located below the icon  to access the intercom menu. From this menu you can contact with other monitor(s) in your apartment (internal intercom). **Note:** The selection : Not use with **KIT S5110 ART4W LITE**. If during the intercom process with another monitor a call is received from the door panel, the intercom process will be terminated, and the door panel call will be received on the corresponding monitor. Press the button below icon  to return to the main menu.



To make an internal intercom call (to another monitor(s) in the same apartment), press the buttons below corresponding icons / to select the monitor to be called, press the push button below the icon  to make the call. **Note:** The selection : Not use with **KIT S5110 ART4W LITE**.



Continued overleaf

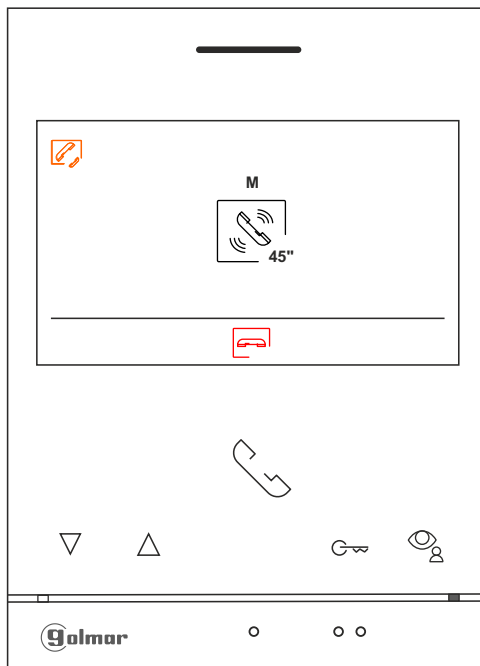
Continued from previous page.

ART 4W LITE/G2+ MONITOR

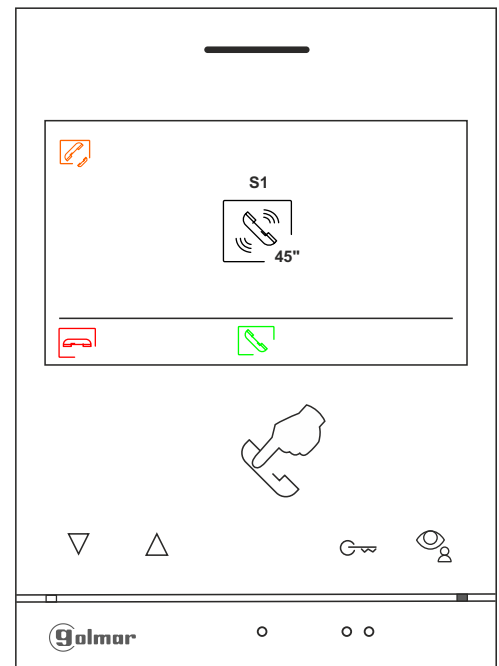
Intercom menu

The calling monitor will sound a confirmation melody and indicate the called monitor and available call time, if you wish to cancel the call press the push button below icon  to return to the main menu. Press the push button below icon  to return to the intercom menu. The monitor receiving the call will sound a confirmation melody showing on screen the monitor making the call and the time available to answer the call, press the push button below icon  to establish communication and press the push button below icon  to end the communication. **Note:** You will find information about the monitor itself with the address, Master, Slave 1 to Slave 3 of the monitor in the 'About' menu, (see p. 12).

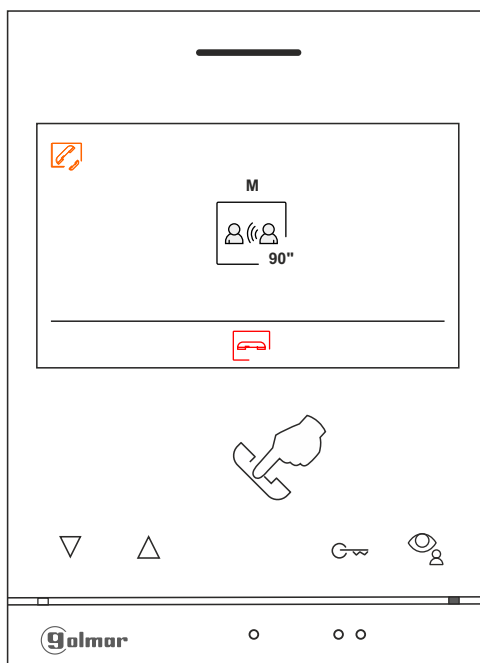
Monitor makes the call



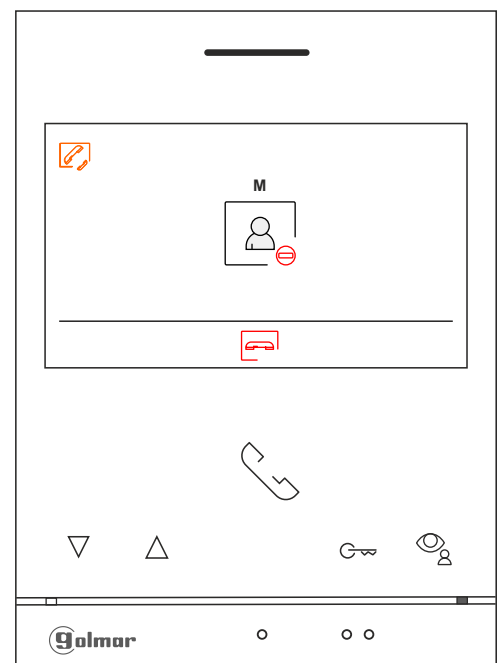
Monitor receives call



Communication monitor



Monitor ends communication



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.**

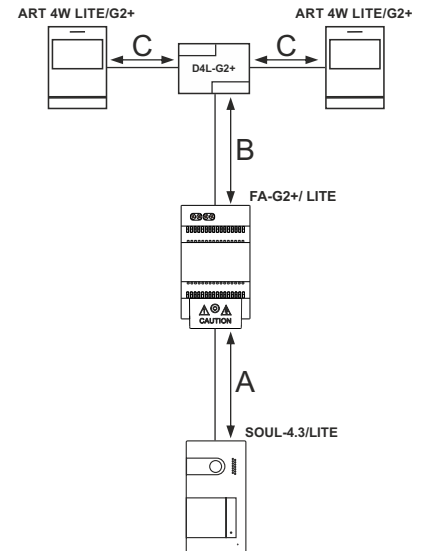
Type of cable	A	B	C
2 x 0,75mm ² (AWG18)	30m	30m	15m
CAT5 (*)	60m	60m	30m
RAP-GTWIN/HF	60m	60m	30m

A. Distance between power supply and furthest door panel.

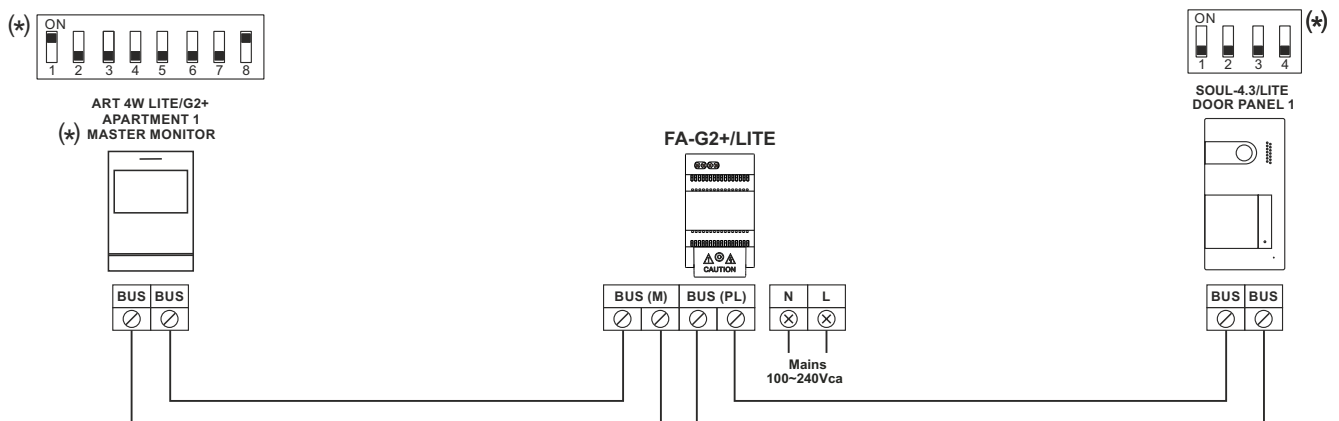
B. Distance between power supply and furthest monitor (or distributor).

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

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

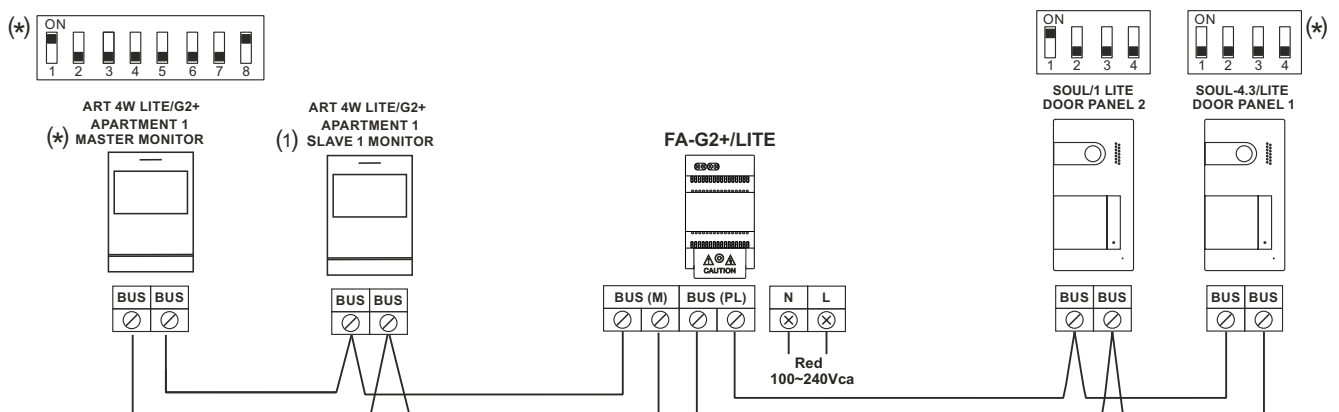


One apartment with one door panel and one monitor (FA-G2+/LITE POWER SUPPLY)



(*) **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 34 to 35.

(*) **Factory default.**

Important: Only the master monitor can activate Wi-Fi transmission. (No additional power supply required in the apartment).

Continued overleaf

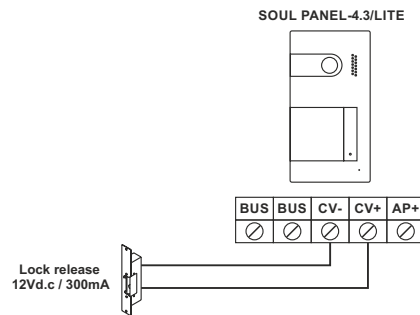
Continued from previous page.

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

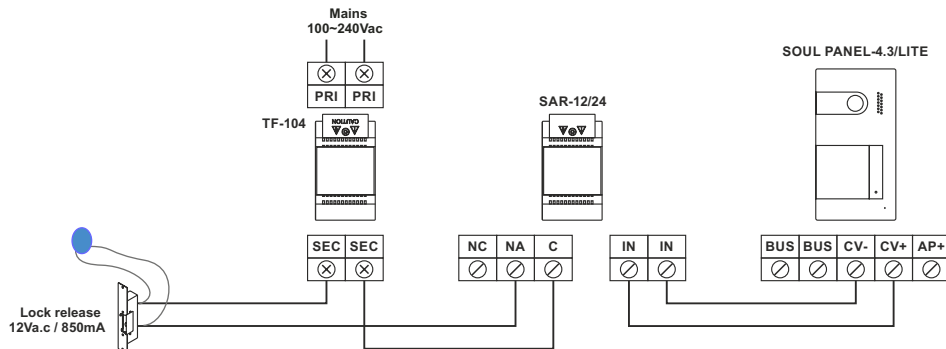
Connection of a lock release

The drawing shows the connection of a 12Vdc lock release, with a maximum consumption of 300mA. Activation is carried out through icon .

The activation time is 3 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 34-35).



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).

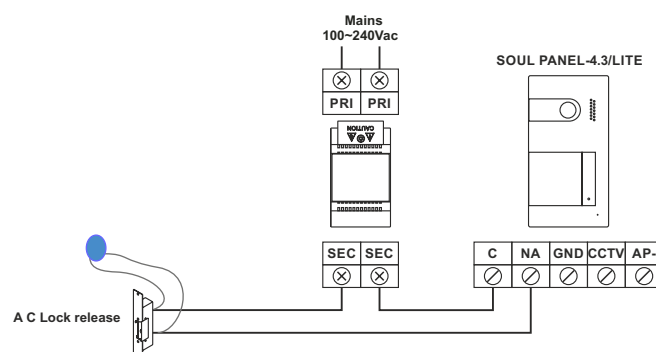


IMPORTANT: Installation with 2 access door panels and AP button on both door panels (see page 32), one of the door panels must connect the AC lock release (instead of DC lock release).

Connection of an auxiliary device at the relay output

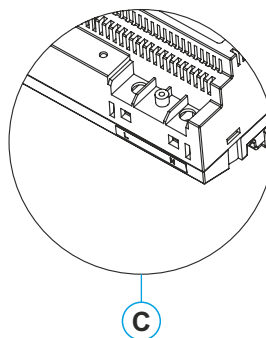
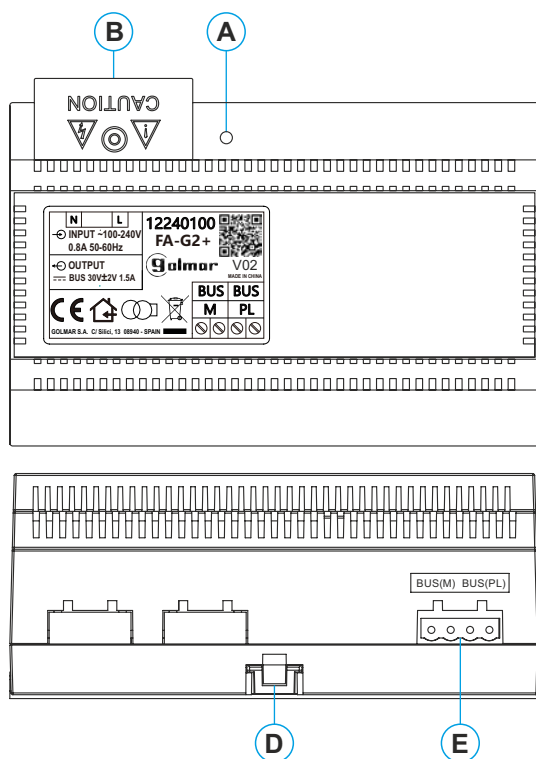
The drawing, by way of example, shows the connection of a second AC lock release. The relay can switch 6A/24V loads. Activation is carried out through icon .

The activation time is 1 second, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 34-35).



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

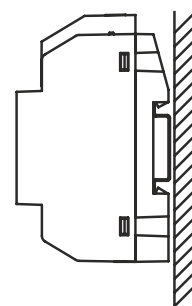
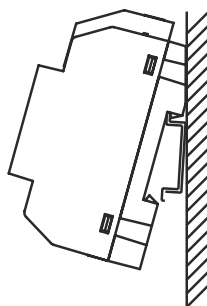
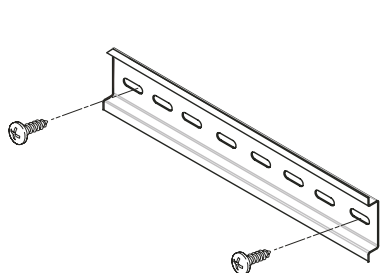
The fitting and handling of the power supply must be carried out by authorised personnel in the absence of electrical current.

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

Continued from previous page.

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 door panels is 4.
- **For more information, see “Features” on page 3.**

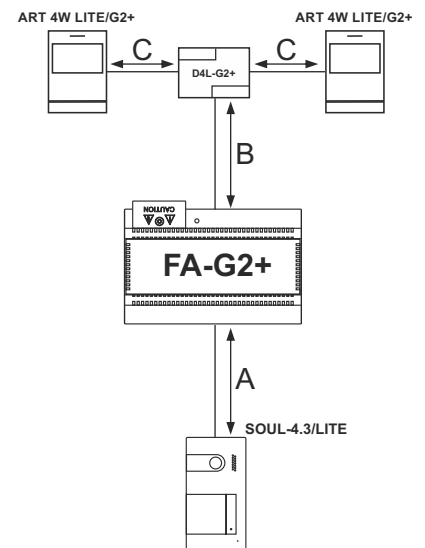
Type of cable	A	B	C
2 x 0,75mm ² (AWG18)	30m	30m	15m
CAT5 (*)	60m	60m	30m
RAP-GTWIN/HF	80m	150m	30m

A. Distance between power supply and furthest door panel.

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

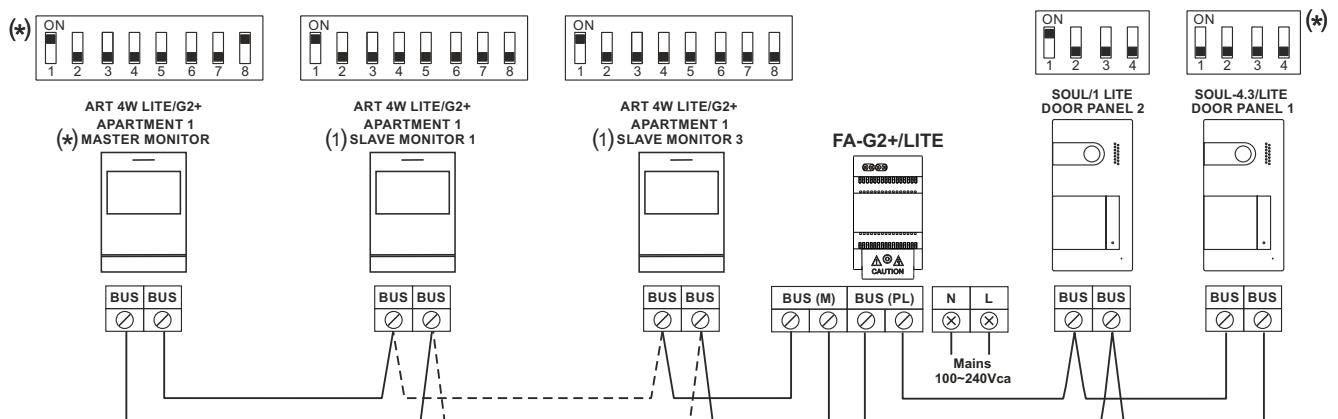
C. Distance between a distributor and the furthest monitor connected to one of its outputs.

(*). 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



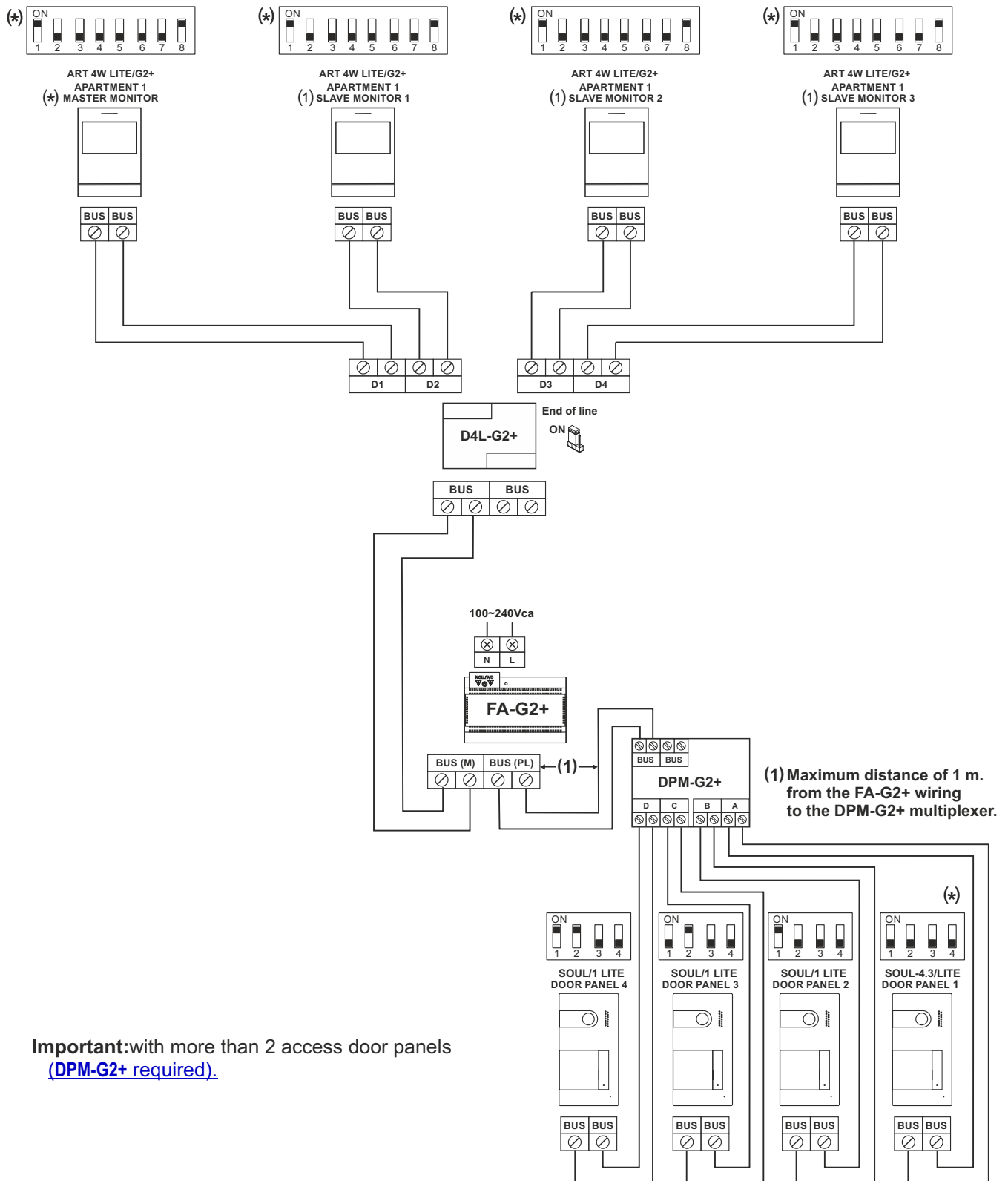
(1) **Note:** To define whether the monitor is master or slave, see pages 34 to 35.

(*) **Factory default.**

Important: Only the master monitor can activate Wi-Fi transmission. (No additional power supply required in the apartment).

Continued overleaf

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](#)).

(1) **Note:** To define whether the monitor is master or slave, see pages 34 to 35.

(*) **Factory default.**

Important: Only the master monitor can activate Wi-Fi transmission. (No additional power supply required in the apartment).

Continued overleaf

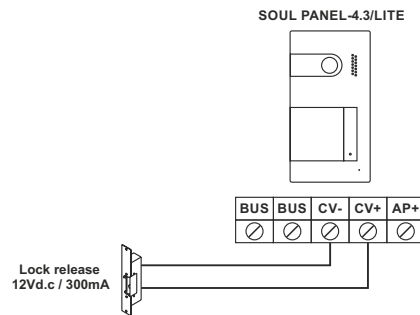
Continued from previous page.

WIRING DIAGRAMS

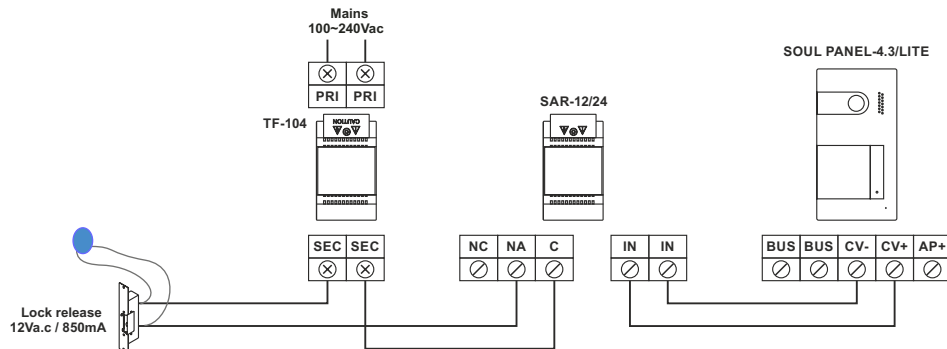
Connection of a lock release

The drawing shows the connection of a 12Vdc lock release, with a maximum consumption of 300mA. Activation is carried out through icon .

The activation time is 3 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 34-35).



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).

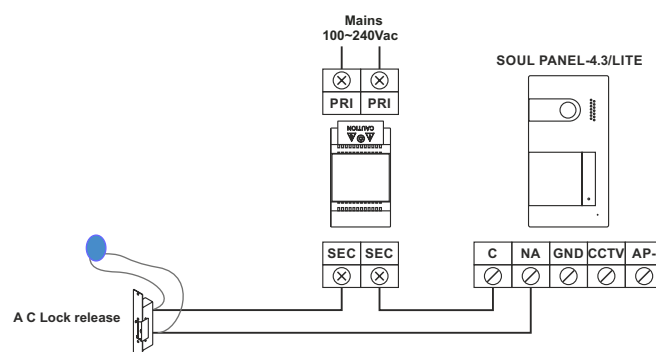


Important: Installations with more than two door panels must connect the alternating lock release on door panels 3 and 4 (instead of a continuous lock release) with a SAR-12/24 relay module and a TF-104 transformer.

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 icon .

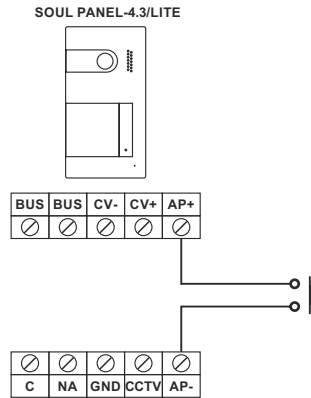
The activation time is 1 second, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 34-35).



WIRING DIAGRAMS

Connection of an output button

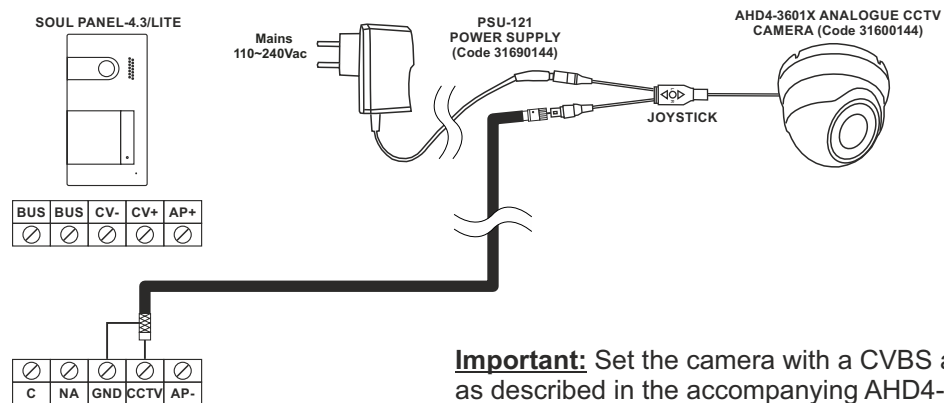
The output button allows remote activation of the lock release connected between the CV- and CV+ terminals (by default) or the relay output (see pp. 34-35). The delay time in carrying out the activation is 2 seconds, with the possibility of setting it to between 0.5 and 10 seconds (see pp. 34-35).



IMPORTANT: Installation with 2 access 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 27).

Connection of an external camera

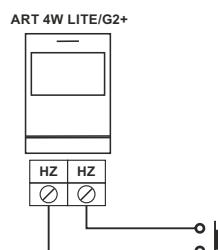
It is possible to connect a Golmar AHD4-3601x analogue CCTV camera to each of the door panels, which can be viewed (see pp. 34-35) from the monitor. The camera needs to have a local PSU-121 power supply.



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 menu must be accessed from the monitor. Go to the 'About' screen in the Settings menu (p. 12) and press five times on button ▽ of the monitor.

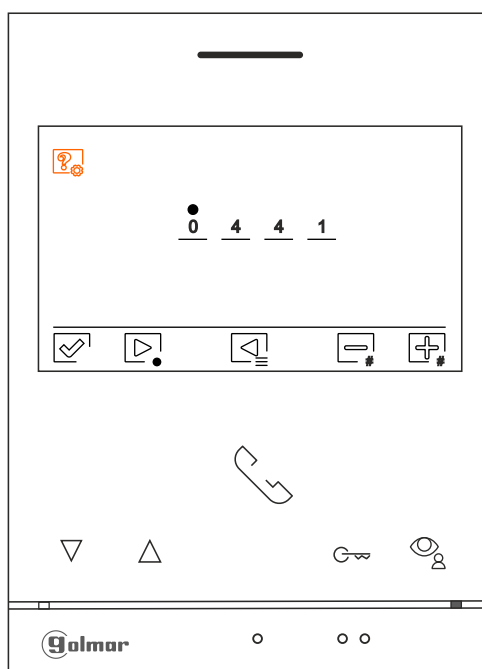
'About' screen



The 'special codes' screen will then be displayed. 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 'About' screen.

'Special codes' screen



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).

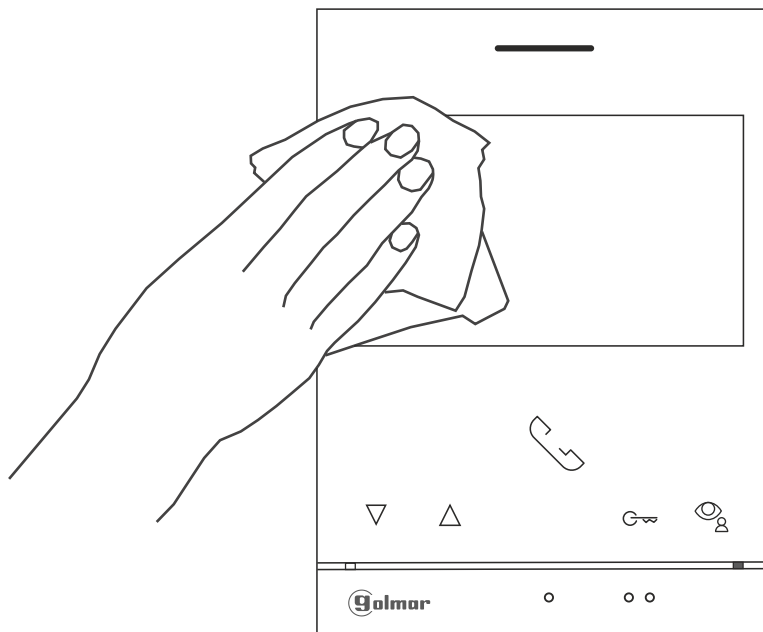
	<u>Factory setting</u>
From 1801 (1s) to 1899 (99s)	1803 (3s)

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)

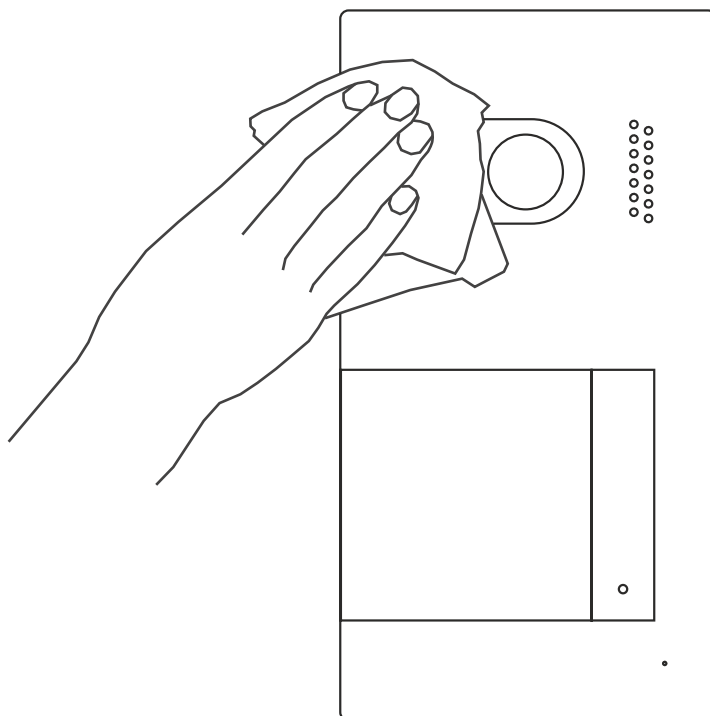
CLEANING THE MONITOR

- 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.



COMPLIANCE:

Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto a Equipos de Radio **2014/53/CEE**, la Seguridad Eléctrica **2014/35/CEE** y la Compatibilidad Electromagnética **2014/30/CEE**.

*This product meets the essentials requirements of applicable European Directives regarding Radio Equipment **2014/53/ECC**, 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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