G2+

TECHNOLOGY

INSTRUCTIONS MANUAL

Soul/Access



G2+ 2-wire installation

Code 50123138 **TSOUL ACCESS EN** REV.0421

INTRODUCCIÓN

Ante todo le agradecemos y felicitamos por la adquisición de este producto.

Nuestro compromiso por conseguir la satisfacción de clientes como usted queda manifiesto por nuestra certificación ISO-9001 y por la fabricación de productos como el que acaba de adquirir.

La avanzada tecnología de su interior y un estricto control de calidad harán que, clientes y usuarios disfruten de las innumerables prestaciones que este equipo ofrece. Para sacar el mayor provecho de las mismas y conseguir un correcto funcionamiento desde el primer día, rogamos lea detenidamente este manual de instrucciones.

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RECOMENDACIONES

- Utilizar, preferentemente, cable Golmar **RAP-GTWIN/HF** (2x1mm²).
- La instalación debe viajar alejada al menos a **40cm. de cualquier otra instalación.**
- Cuando se realicen modificaciones en la instalación, **hacerlo sin alimentación.**
- La instalación y manipulación de estos equipos deben ser realizadas por **personal autorizado.**
- Verificar todas las conexiones antes de poner en marcha el equipo.
- Siga en todo momento las instrucciones de este manual.

SYSTEM OPERATION (VILLA MODE)

To make a call, the visitor must press the button to apartment; an audible 3 tones indicates that the call is being made and LED will turn on. At this moment, the apartment's monitor(s) receive the call.

In systems with more of two access doors, the other door(s) panel automatically disconnects; if another visitor attempts to call, 3 short telephone tones will indicate that the system is busy and LED , & on the door panel will be blinking fast 8 times.

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, the led of the ART1 terminal(s) will blink white and the led of the T-ART terminal(s) will blink. To view the image from slave monitors 2 or 3, press on one of the buttons of the ART 4/ ART 7H monitor or press the screen of the ART 7W monitor for the image to appear. If the call is not answered within 45 seconds, LED will turn off and the system will become free.

To establish communication, press the button below off-the-hook icon of the ART 4 / ART 7H monitor, press off-the-hook icon on the screen of the ART 7W monitor, press the button of the ART1 terminal or lift the handset of any T-ART terminal. Door panel LED will turn off and the led will turn on.

Connection will last for 90 seconds or until is pressed the button below on-the-hook icon of the ART 4/ ART 7H monitor, is pressed on-the-hook icon on the screen of the ART 7W monitor, is pressed the button of the ART1 terminal or the handset is hung up in the T-ART terminal. When communication ends, 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 corresponding button below of the ART 4 /ART 7H monitor, press the corresponding icon on the screen of the ART 7W monitor or press the corresponding button or AUX of any terminal of the apartment, during the call or communication processes: one press will activate the lock release for 3 seconds and LED will also turn on for 3 seconds.

The owner of the apartment can activate the lock release or the auxiliary relay output by entering a numeric access code with numeric keypad of the door panel (see pages 7 and 9 to enable access code(s)).

Detailed operation and configuration of the monitor/terminal, see the corresponding monitor user manual.

SYSTEM OPERATION (BUILDING MODE)

To make a call, the visitor must press the apartment numeric code and then press button ; an audible 3 tones indicates that the call is being made and LED will turn on. At this moment, the apartment's monitor(s) receive the call. If another apartment is called by mistake, press the numeric code correct apartment and then press button , the first call will be cancelled.

In systems with more of two access doors, the other door(s) panel automatically disconnects; if another visitor attempts to call, 3 short telephone tones will indicate that the system is busy and LED , & on the door panel will be blinking fast 8 times.

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, the led of the ART1 terminal(s) will blink white and the led of the T-ART terminal(s) will blink. To view the image from slave monitors 2 or 3, press on one of the buttons of the ART 4/ ART 7H monitor or press the screen of the ART 7W monitor for the image to appear. If the call is not answered within 45 seconds, LED will turn off and the system will become free.

To establish communication, press the button below off-the-hook icon of the ART 4 / ART 7H monitor, press off-the-hook icon on the screen of the ART 7W monitor, press the button of the ART1 terminal or lift the handset of any T-ART terminal. Door panel LED will turn off and the led will turn on.

Connection will last for 90 seconds or until is pressed the button below on-the-hook icon of the ART 4/ ART 7H monitor, is pressed on-the-hook icon on the screen of the ART 7W monitor, is pressed the button of the ART1 terminal or the handset is hung up in the T-ART terminal. When communication ends, door panel LED will turn off and the system will become free.

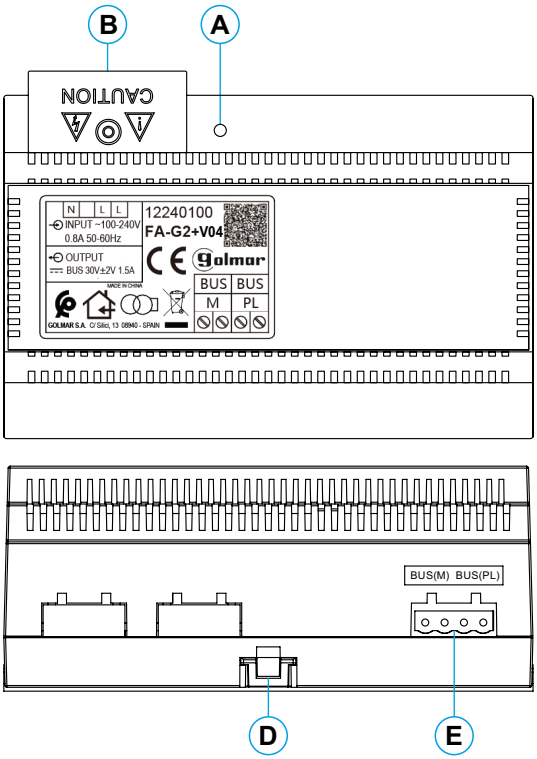
To open door or activate auxiliary output of the door panel, press the corresponding button below of the ART 4 /ART 7H monitor, press the corresponding icon on the screen of the ART 7W monitor or press the corresponding button or AUX of any terminal of the apartment, during the call or communication processes: one press will activate the lock release for 3 seconds and LED will also turn on for 3 seconds.

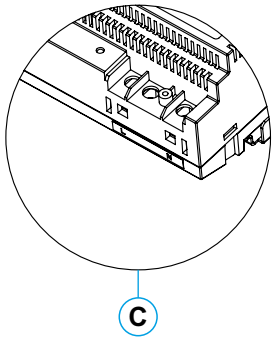
The owner of the apartment can activate the lock release or the auxiliary relay output by entering a numeric access code with numeric keypad of the door panel (see pages 7 and 9 to enable access code(s)).

Detailed operation and configuration of the monitor/terminal, see the corresponding monitor user manual.

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 ± 2V
Rated Output Current:	1,5A
Working Temperature:	-10ºC ~ 40ºC
Dimensions:	140*90*60mm

Installation

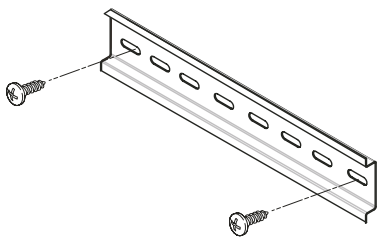
The fitting and handling of the power supply must be carried out by authorised personnel in the absence of electrical current.

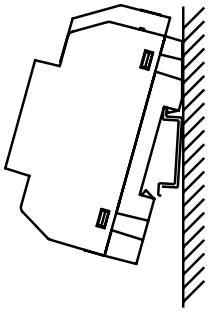
Install the power supply in a dry, protected and ventilated location. Make sure that the vents are not obstructed. Use a DIN 46277 rail for fastening (8 elements).

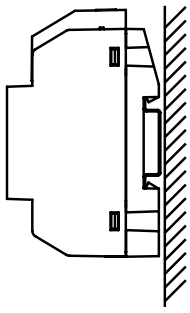
Note that current regulations stipulate that the power supply must be protected by a circuit breaker.

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.

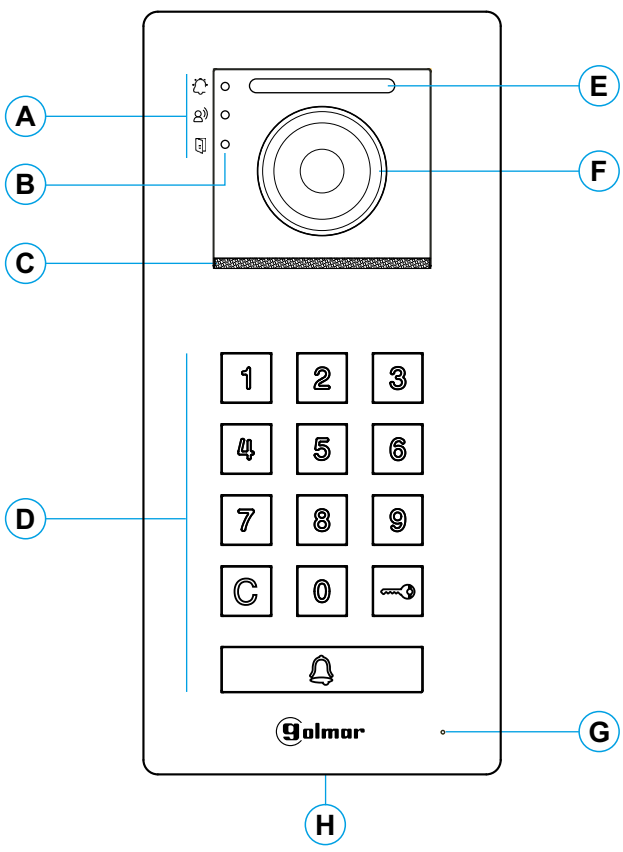


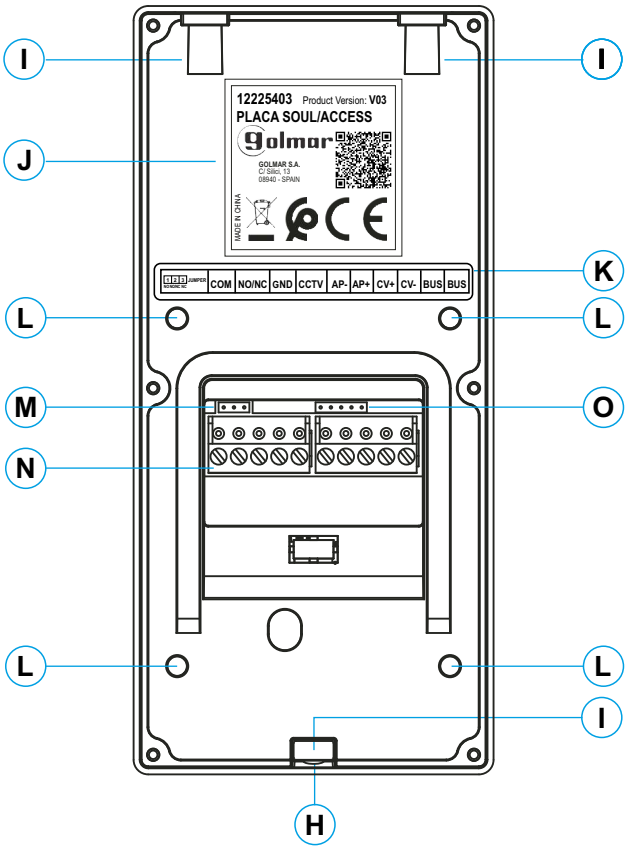


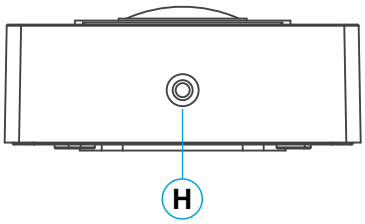


SOUL/ACCESS DOOR PANEL

Description







Note: Door panel with V03 and next “Villa mode” (default).

A. System status icons:
- Call in progress.
- Communication established.
- Lock release activated.

B. System status of icon indicator lights.

C. Speaker grill.

D. Keypad push buttons.
- **Building mode:** Push buttons from 0 to 9 to enter apartment call code and push button to make a call.
- **Villa mode:** To make a call to villa press push button .
- **Access control**: The owner of the apartment can activate the lock release or the auxiliary relay output by entering a numeric access code with numeric keypad of the door panel and next press push button (see pages 7 and 9 to enable access code(s)).

E. Night viewing lighting.

F. Colour camera.

G. Microphone hole.

H. Rain shield fixing screw.

I. Rain shield mounting connector fixing (x3)

J. Product label.

K. Installation terminals label.

L. Fixing points of the cable gland seal “sealing gasket” (X4).

M. JP 1 jumper

N. Installation terminals.

O. Golmar use.

SOUL/ACCESS DOOR PANEL

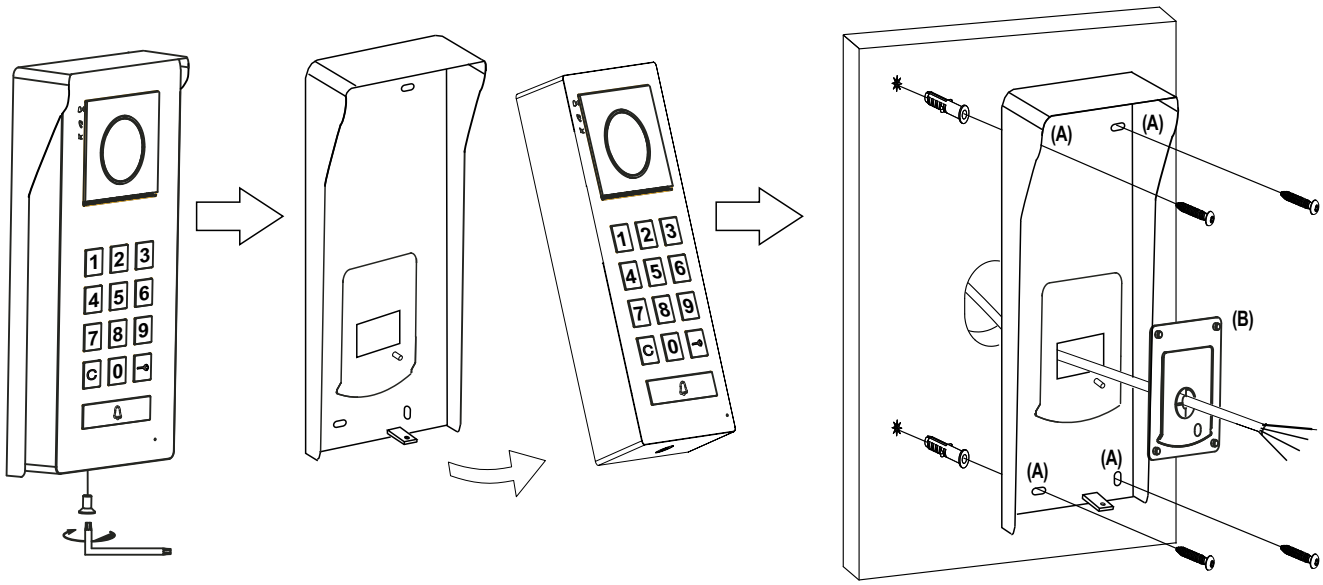
Installation

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 rain shield of the door panel by loosening the bottom screw with the Allen key supplied.
2. Present the rain shield to the wall, positioning the top at 1.65m.
3. Drill three 6mm holes at the indicated points (A), as indicated in the drawing. Insert the plugs supplied and fix the door panel to the wall using the screws supplied.
4. Pass the installation cables through the cable gland seal (sealing gasket).
5. Connect the cables to the removable wiring connectors following the installation diagrams.
6 Before replacing and closing the door panel, make the adjustments indicated on the installation manual (programming of access code, adjusting the audio level, ...). Make sure that the cable gland seal (sealing gasket) of the door panel is correctly positioned, indicated point (B), as indicated in the drawing.



Installation terminals and JP1 jumper

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

1 2 3 JUMPER NO NO/NC NC JP1	COM	NO/NC	GND	CCTV	AP-	AP+	CV+	CV-	BUS	BUS

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.**

GND, CCTV: input for external analogue camera.

COM, NO/NC: potential-free relay output (maximum 6A/24V).

JP1 jumper: allows the potential free relay output to be selected as normally open (NO) or normally closed (NC).

(1) 

Jumper placed between 1 and 2, sets the relay output as normally open (NO).



Jumper placed between 2 and 3, sets the relay output as normally closed.

(1) Factory default.

SOUL/ACCESS DOOR PANEL SETTING

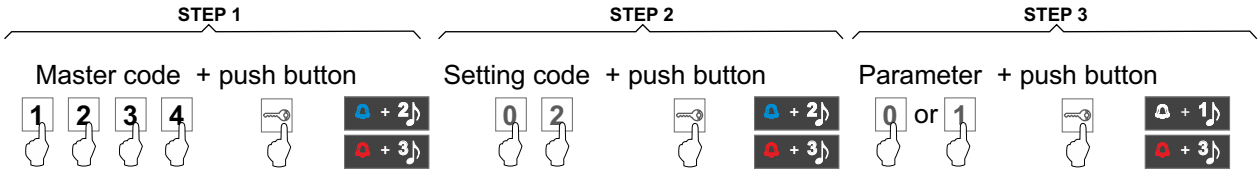
Programming mode structure and sequence de las funciones de la placa

Programming door panel functions is performed by entering the master code,setting code or function to setting, followed by the parameter.
The programming mode is as follows: Example " Button light setting at night".

Step 1, enter master code: "1234" (factory default) and confirm with the button , the led of the button will light blue and the door panel will emit 2 confirmation tones (go to step 2). If the code entered is incorrect, the led of the button will light red and the door panel will emit 3 short beeps (enter the correct code).

Step 2, enter setting code: "02" and confirm with push button ,the led of the button will light blue and the door panel will emit 2 confirmation tones (go to step 3). If the code entered is incorrect, the led of the button will light red and the door panel will emit 3 short beeps (go back to step 1).

Step 3, enter the parameter: "0" or "1" and confirm with the push button ,the led of the button will light white and the door panel will emit 1 confirmation tone. If the code entered is incorrect, the led of the button will light red and the door panel will emit 3 short beeps (go back to step 1).
Note: If no key is pressed within 10 seconds, the door panel will emit two short error tones and you must go back to step 1.
If the push button [C] is pressed in any of the 3 steps, the programming sequence is cancelled.



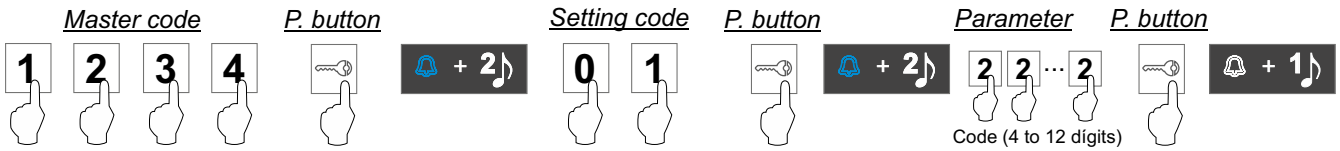
Door panel functions setting

The panel is programmed with factory defaults (see page 7 to 9) with the exception of the codes for access to the building / villa without the need to call the home, which are empty for security reasons. To ensure that the system works according to your needs, please check all the values of the functions that have already been set. The functions do not have to be programmed in the order in which they are presented.
Important: The programming of the configuration functions must be carried out with the panel at rest.

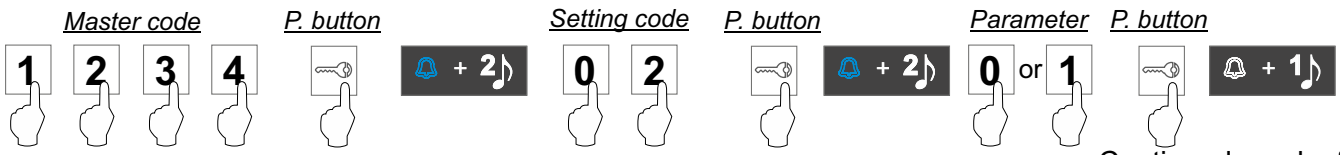
Function 1, factory defaul: The following programming sequence restores the door panel to factory defaults.
Note: Enabled access codes are disabled.
It does not restore the master code, to restore the master code it is necessary to use an special code (8000: restore the door panels with address 1 to 4 / 8001: restore door panel 1 / 8002: restore door panel 2/ 8003: restore door panel 3 and 8004: restore door panel 4), see pages 23 to 24.



Funtion 2, change master code: The following programming sequence allows the master code to be changed (1234 "default") to a code different from the factory setting and with a code length between 4 and 12 digits.



Function 3, button light setting at night: The following programming sequence allows the keypad be or not illuminated during the night (parameters: 0: illuminated "by default" / 1: off).



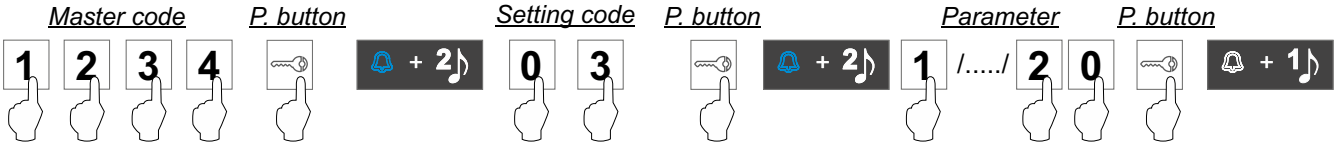
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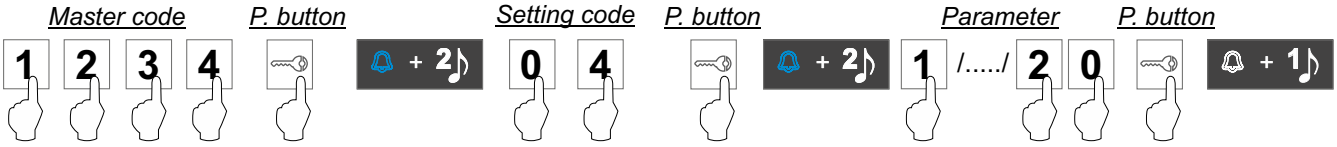
SOUL/ACCESS DOOR PANEL SETTING

Door panel functions setting

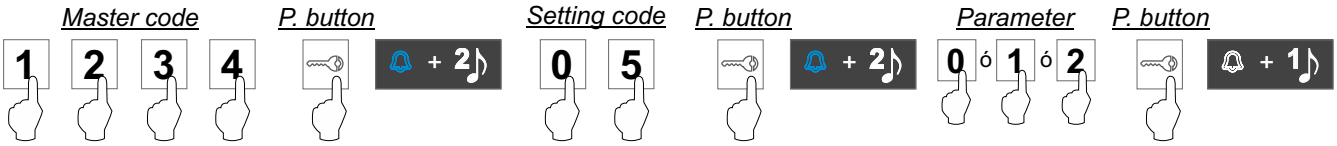
Funtion 4, activation time "auxiliary relay output": The following programming sequence allows setting the activation time (3 seconds "default") of the auxiliary relay output (parameters: 1:0.5 sec / 2: 1 sec / ...../ 20: 10 sec).



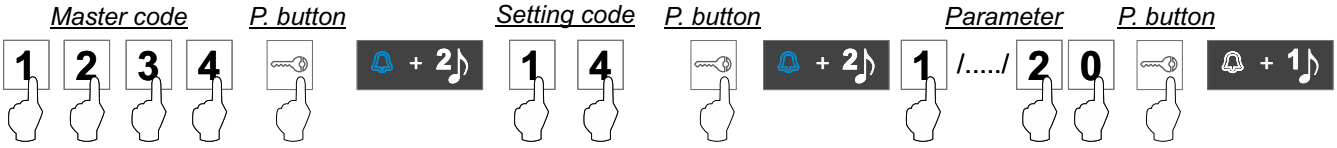
Function 5, activation time "door release output": The following programming sequence allows setting the activation time (3 seconds "default") of the door release output (parameters: 1:0.5 sec / 2: 1 sec / ...../ 20: 10 sec).



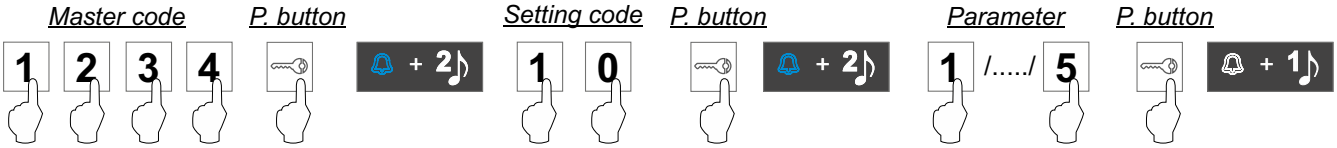
Function 6, external push button "AP" for remote activation: The following programming sequence allows to select which output will activate the external push button "AP" (parameters: 0: door release "default" / 1: auxiliary relay / 2: both).



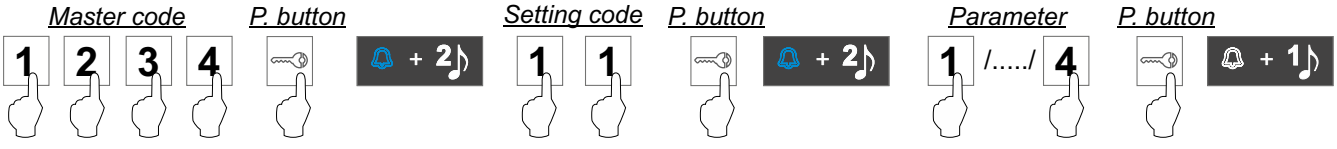
Function 7, external push button "AP" remote activation delay: The following programming sequence iallows setting the activation delay time (2 sec. "default") of the external push button "AP" (parameters: 1:0.5 sec / 2: 1 sec / ...../ 20: 10 sec).



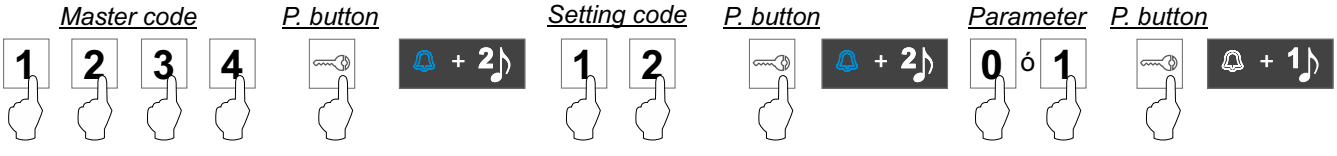
Function 8, door panel speaker volume: The following programming sequence allows to adjust the volume on the door panel speaker (3 "default") from minimum to maximum (parameters: from (1 to 5) 1: minimum /...../ 5: maximum).



Function 9, address door panel: The following programming sequence allows to assign an address to the door panel (parameters: (1 to 4) 1: address 1 "default" / 2: address 2 / 3: address 3 / 4: address 4).
Note: The door panel addresses must be consecutive.



Function 10, building / villa mode: The following programming sequence allows to select the use of the door panel in building or in villa (parameters: 0: villa "default" / 1: building).



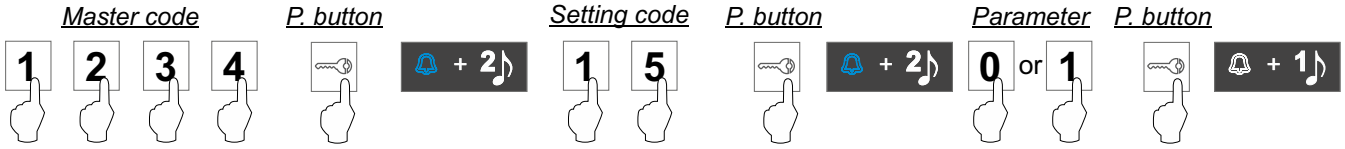
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SOUL/ACCESS DOOR PANEL SETTING

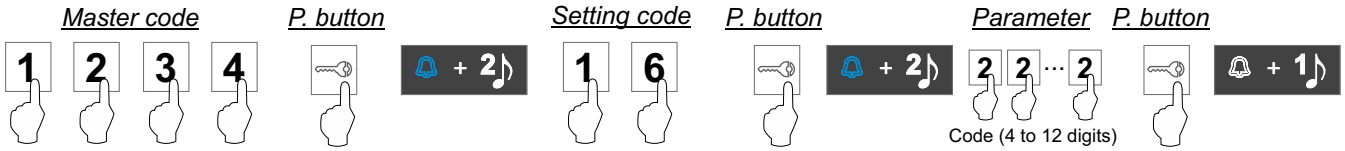
Door panel functions setting

Function 11, Confirmation tones on door panel: The following programming sequence allows to activate / deactivate the call is being made, door open or channel busy confirmation tones on door panel (parameters: 0: activated "by default"/ 1: deactivated).



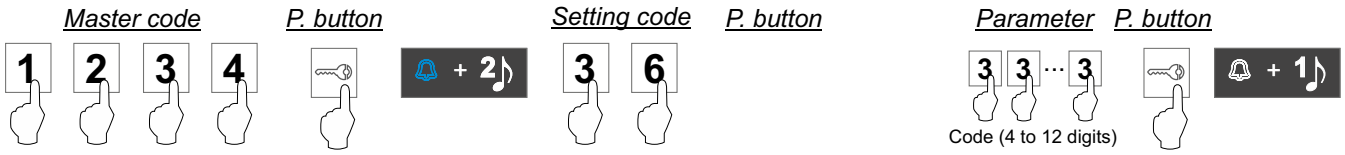
Function 12, enable access codes for door release output: The following programming sequence allows to enable up to 20 different access codes to activate the door release output by entering the enabled access code (with a code length between 4 and 12 digits) using the keypad on the door panel and confirming with the push button .

To enable an access code or codes, there are 20 "configuration codes" (from 16 to 35), one "configuration code" for each one of the 20 possible access codes and insert in the "Parameter" field a code with a length between 4 and 12 digits.



Función 13, enable access codes to activate the auxiliary relay output: The following programming sequence allows to enable up to 20 different access codes to activate the auxiliary relay output by entering the enabled access code (with a code length between 4 and 12 digits) using the keypad on the door panel and confirming with the button .

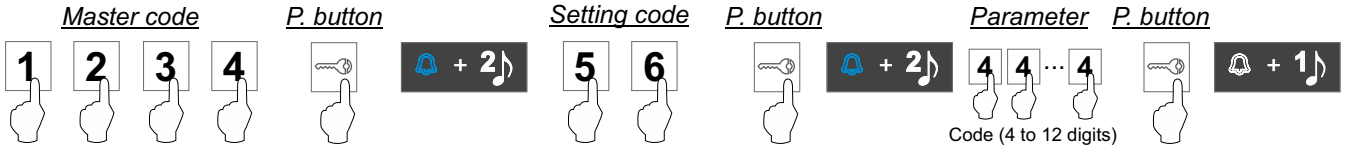
To enable an access code or codes there are 20 "configuration codes" (from 36 to 55), one "configuration code" for each one of the 20 possible access codes and insert in the "Parameter" field a code with a length between 4 and 12 digits.



Function 14, enable "visitor" access codes for door release output: The following programming sequence allows to enable up to 4 different "visitor" access codes to activate the door release output by entering the enabled access code (with a code length between 4 and 12 digits) using the keypad on the door panel and confirming with the button .

Note: Once the code has been used, it is disabled after 60 seconds.

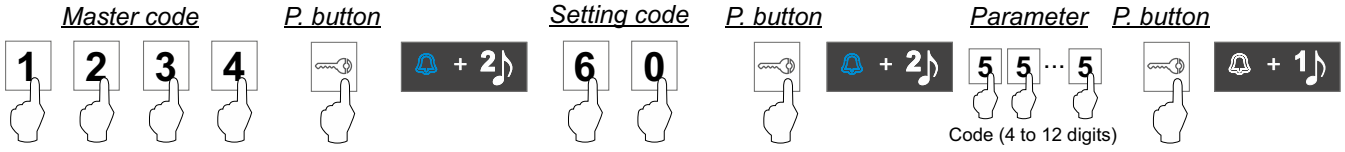
To enable an access code or codes there are 4 "configuration codes" (from 56 to 59), one "configuration code" for each one of the 4 possible access codes and insert in the "Parameter" field a code with a length between 4 and 12 digits.



Function 15, enable access codes to activate the auxiliary relay output: The following programming sequence allows to enable up to 4 different access codes to activate the auxiliary relay output by entering the enabled access code (with a code length between 4 and 12 digits) using the keypad on the door panel and confirming with the button .

Note: Once the code has been used, it is disabled after 60 seconds.

To enable an access code or codes there are 4 "configuration codes" (from 60 to 63), one "configuration code" for each one of the 4 possible access codes and insert in the "Parameter" field a code with a length between 4 and 12 digits.



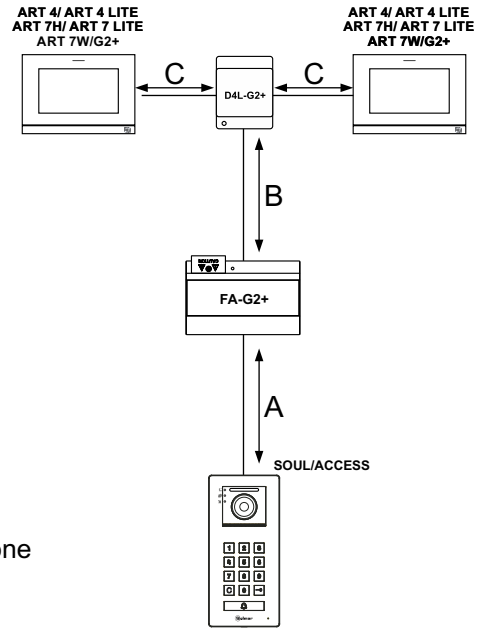
WIRING DIAGRAMS (VILLA)

Cross sections and distances

- 1 apartment.
- The maximum number of monitors per apartment is 4.
- The maximum number of monitors in daisy chain connected is 4.
- The maximum access door panels is 4.

Important: More than 2 access door panels, DPM-G2+ multiplexer required and AC lock release must be connected to door panels 3 and 4 (instead of DC lock release) with a SAR-12/24 relay module and a TF-104 transformer, (see page 18).

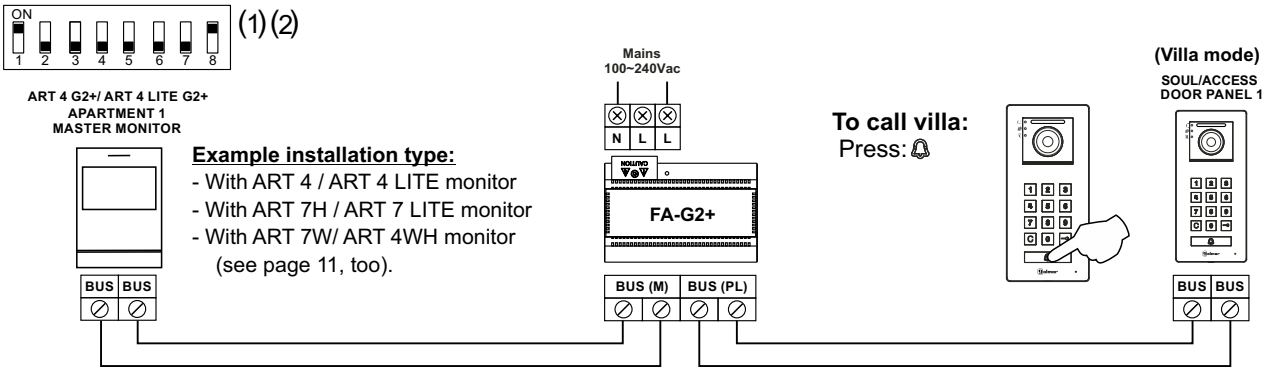
Remember: Door panel "villa mode" (default).



Type of cable	A	B	C
2 x 0.75mm² (AWG18)	30 m	30 m	15 m
CAT5 (*)	60 m	60 m	30 m
RAP-GTWIN/HF	80 m	150 m	30 m

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.

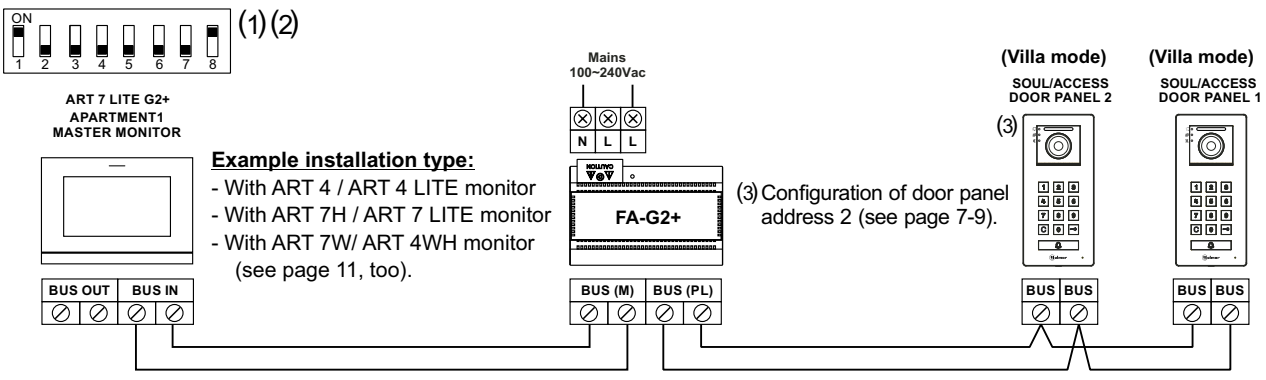
One apartment with one access panel and one monitor



(1) For description of operation and configuration of the monitor, see the corresponding manual.

(2) Note: The monitor is set at the factory as **master**.

One apartment with two access panel and one monitor

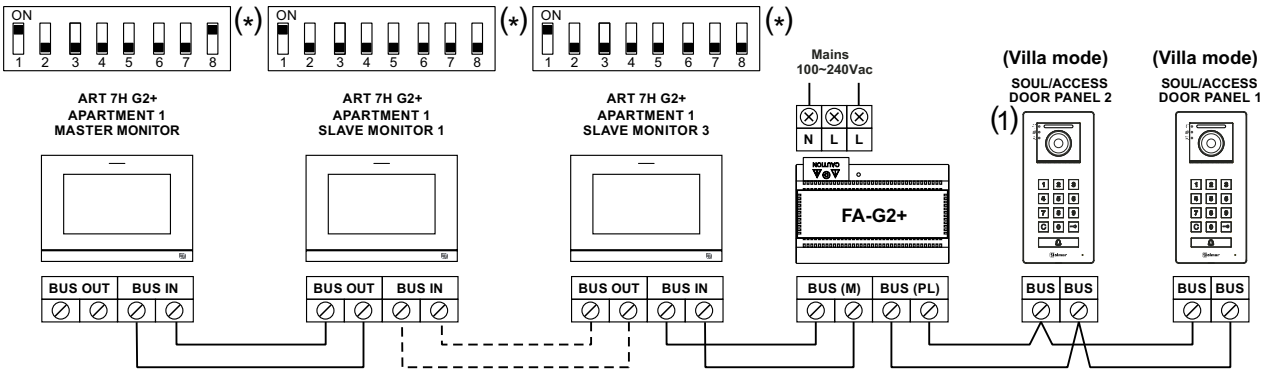


(1) For description of operation and configuration of the monitor, see the corresponding manual.

(2) Note: The monitor is set at the factory as **master**.

WIRING DIAGRAMS (VILLA)

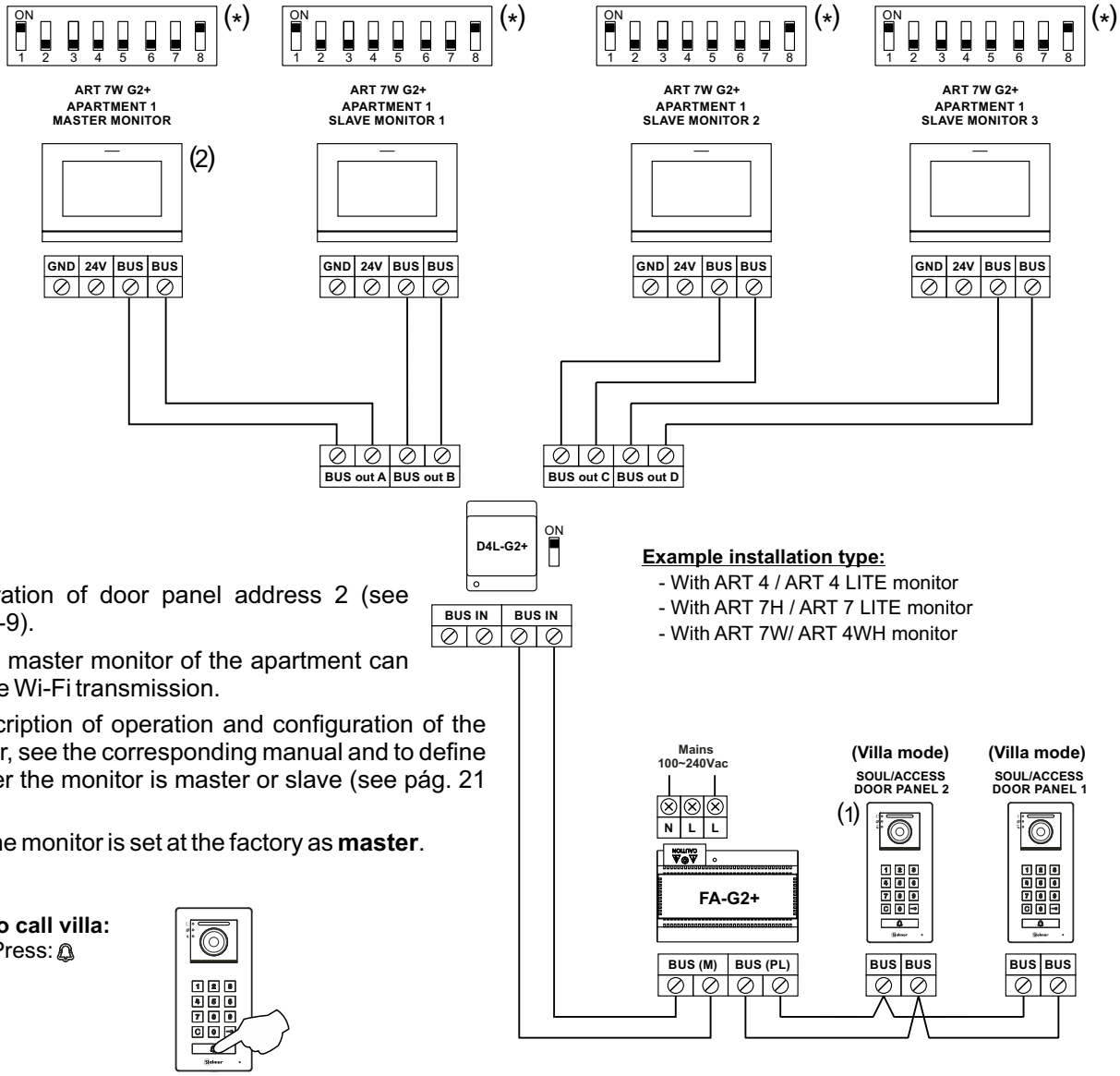
One apartment with up to two access panels and up to four monitors in cascade



Example installation type:

- With ART 4 G2+ / ART 4 G2+ LITE / ART 4WH G2+ / ART 7H G2+ / ART 7 G2+ LITE / con ART 7W/G2+ monitors (see installation type below, too).

One apartment with up to two access panels and up to four monitors in distribution



Example installation type:

- With ART 4 / ART 4 LITE monitor
- With ART 7H / ART 7 LITE monitor
- With ART 7W/ ART 4WH monitor

(1) Configuration of door panel address 2 (see page 7-9).

(2) Only the master monitor of the apartment can activate Wi-Fi transmission.

(*) For description of operation and configuration of the monitor, see the corresponding manual and to define whether the monitor is master or slave (see pág. 21 to 24).

Note: The monitor is set at the factory as **master**.

To call villa:
Press: 🔔

WIRING DIAGRAMS (BUILDING)

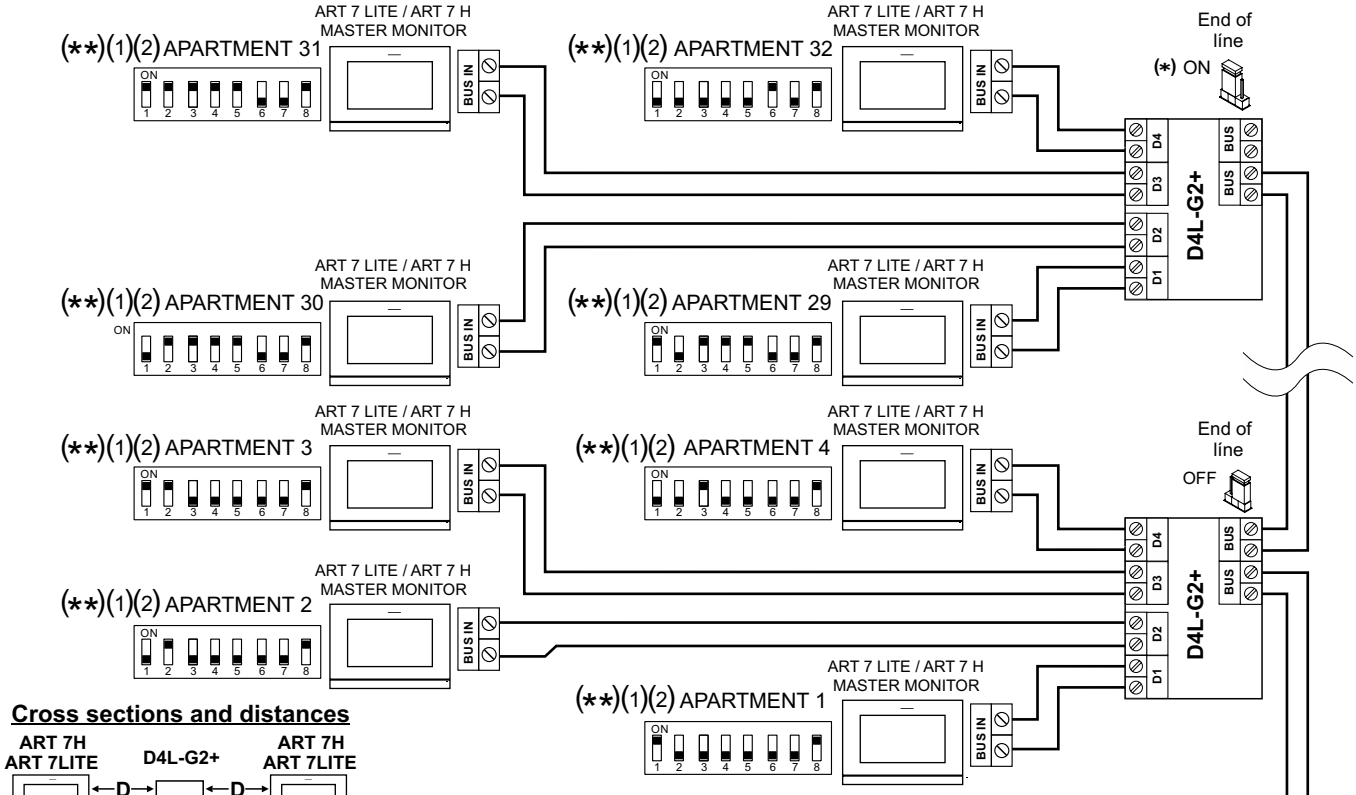
Cross sections and distances

- Up to 32 monitors / apartments with (ART 4/ ART 4 LITE/ ART 7H/ ART 7 LITE & ART 7W monitors) per installation.
- Up to 32 monitors/audio terminals and apartments in mixed installations (monitors/ audio terminals).
- Up to 128 audio terminals / apartments per installation (only audio installation).
- The maximum number of monitors per apartment is 4.
- The maximum number of monitors in daisy chain connected is 12.
- The maximum access door panels is 4.

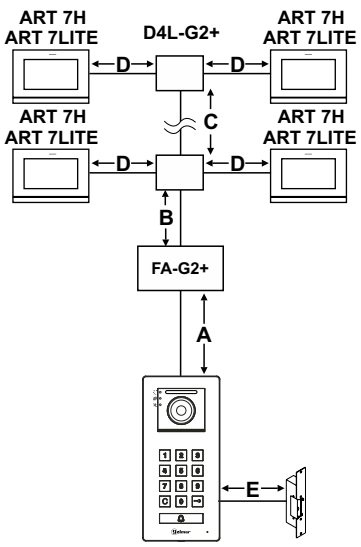
Important: More than 2 access door panels, DPM-G2+ multiplexer required and AC lock release must be connected to door panels 3 and 4 (instead of DC lock release) with a SAR-12/24 relay module & a TF-104 transformer, (see page 18).

Remember: To set the access door panel in "building mode" (see pp. 7-9).

32 apartments with 2 access panels and up to 32 monitors with 8 D4L-G2+ distributors



Cross sections and distances



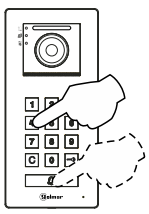
Cable	A	B	C	D	B+C+D	E
RAP-GTWIN/HF 2x1mm²	80m	80m	80m	30m	190m	15m

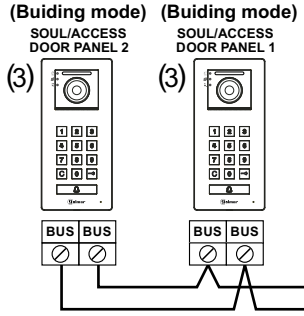
(*) Set to ON the end of line in the last distributor, all other intermediate distributors set to OFF.

(**) Set to ON the end of line in the last monitor. Dip 8 a On.

Example:

To call apartment 4:
Press: 0004 or 4





Example installation type:

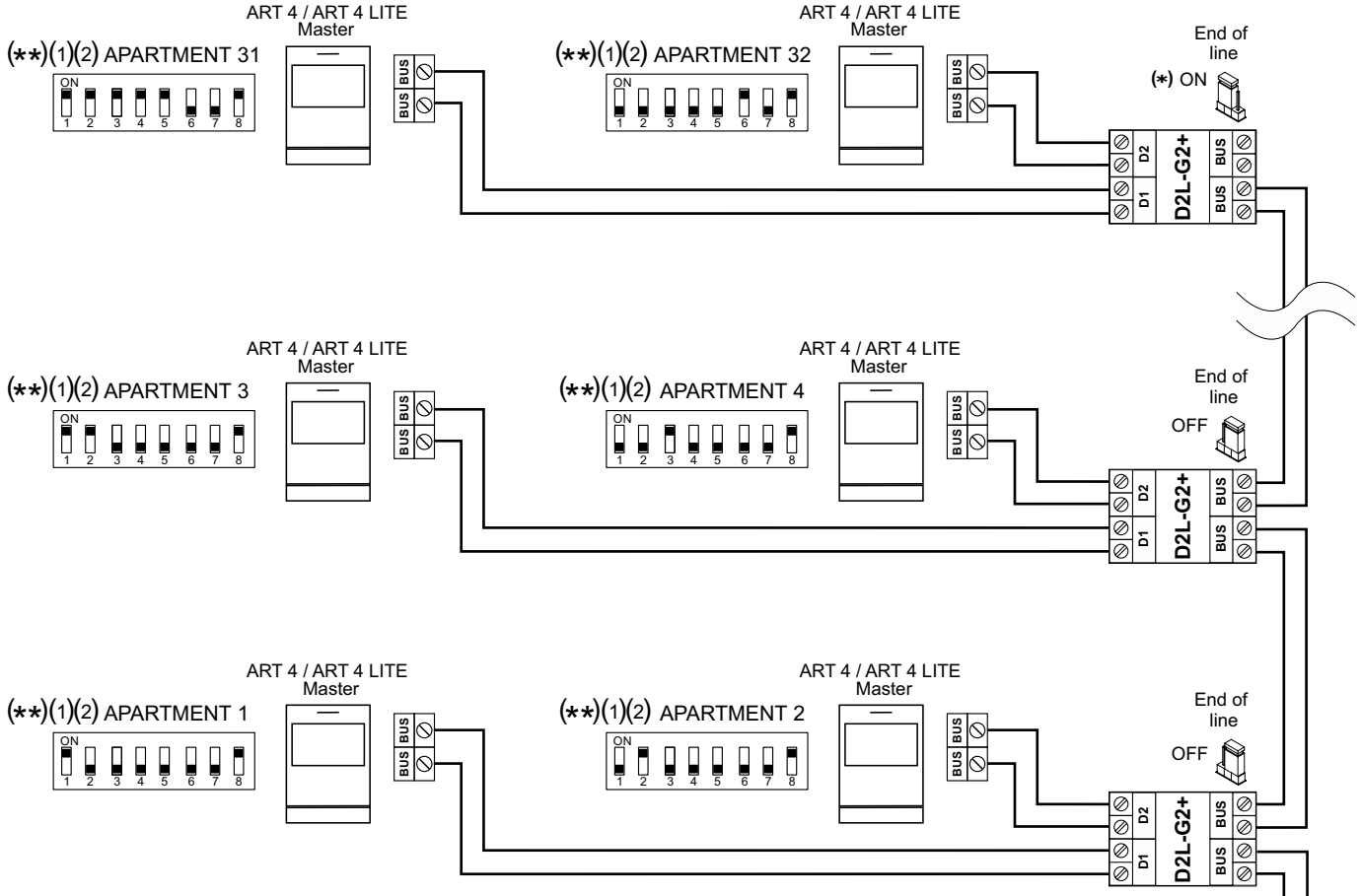
- With ART 4 / ART 4 LITE / ART 4WH monitor
- With ART 7H / ART 7 LITE monitor
- With ART 7W/G2+ monitor (see page 15, too).

Important:

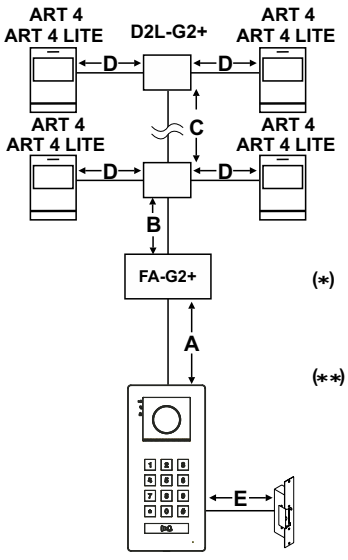
(1) For description of operation and configuration of the monitor, (see the corresponding manual).
(2) The monitor is set at the factory as **master**, apartment with more than 1 monitor, (see pages 21-24 to define as slave).
(3) To set the access panels "building mode" and with address 2 the door panel 2, (see pages 7 to 9).

WIRING DIAGRAMS (BUILDING)

32 apartments with 2 access panels and up to 32 monitors con 16 D2L-G2+ distributors



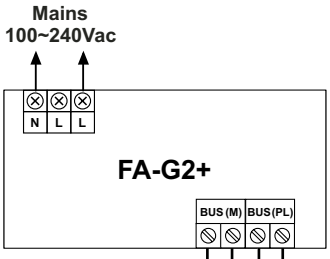
Cross sections and distances

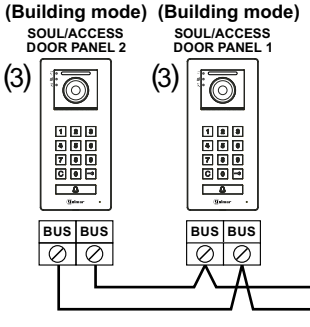


Cable	A	B	C	D	B+C+D	E
RAP-GTWIN/HF 2x1mm²	80m	80m	80m	30m	190m	15m

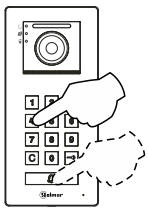
(*) **Set to ON the end of line in the last distributor, all other intermediate distributors set to OFF.**

(**) **Set to ON the end of line in the last monitor. Dip 8 a On.**





Example:
To call apartment 4:
Press: 0004 or 4



Example installation type:

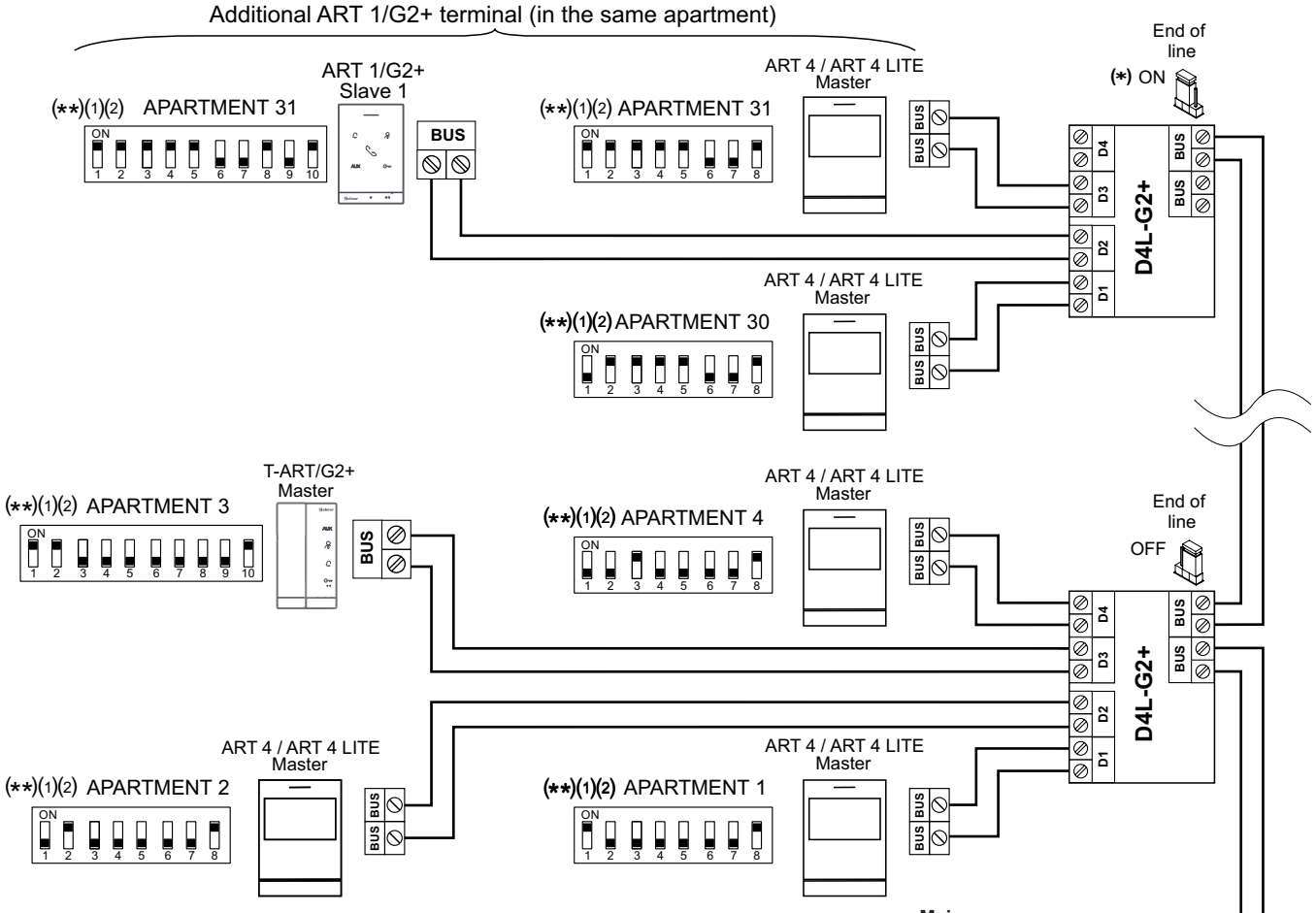
- With ART 4 / ART 4 LITE / ART 4WH monitor
- With ART 7H / ART 7 LITE monitor
- With ART 7W/G2+ monitor (see page 15, too).

Important:

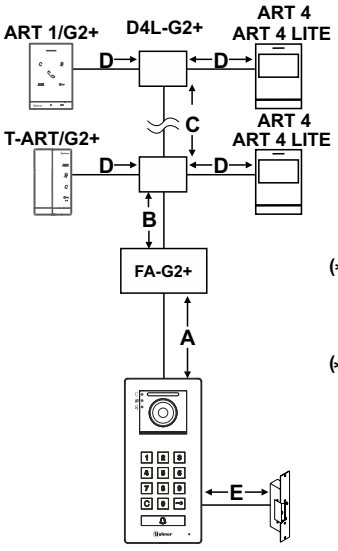
(1) For description of operation and configuration of the monitor, (see the corresponding manual).
(2) The monitor is set at the factory as **master**, apartment with more than 1 monitor, (see pages 21-24 to define as slave).
(3) To set the access panels "building mode" and with address 2 the door panel 2, (see pages 7 to 9).

WIRING DIAGRAMS (BUILDING)

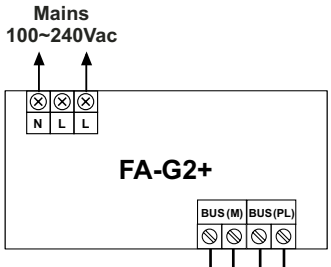
32 monitors/terminals with 31 apartments and 1 additional terminal in 1 apartment with 8 D4L-G2+



Cross sections and distances



Cable	A	B	C	D	B+C+D	E
RAP-GTWIN/HF 2x1mm²	80m	80m	80m	30m	190m	15m

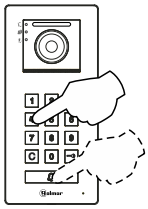


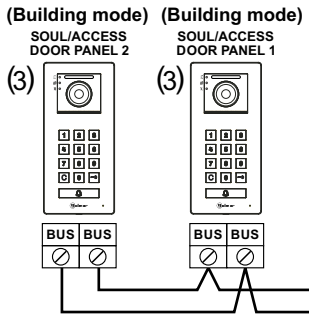
(*) **Set to ON the end of line in the last distributor, all other intermediate distributors set to OFF.**

(**) **Set to ON the end of line in the last monitor: Dip 8 a On. Last terminal: Dip 10 a On.**

Example:

To call apartment 4:
Press: 0004 or 4 +





Example installation type:

- With ART 4 / ART 4 LITE / ART 4WH monitor
- With ART 7H / ART 7 LITE monitor
- With ART 7W/G2+ monitor (see page 15, too).

Important:

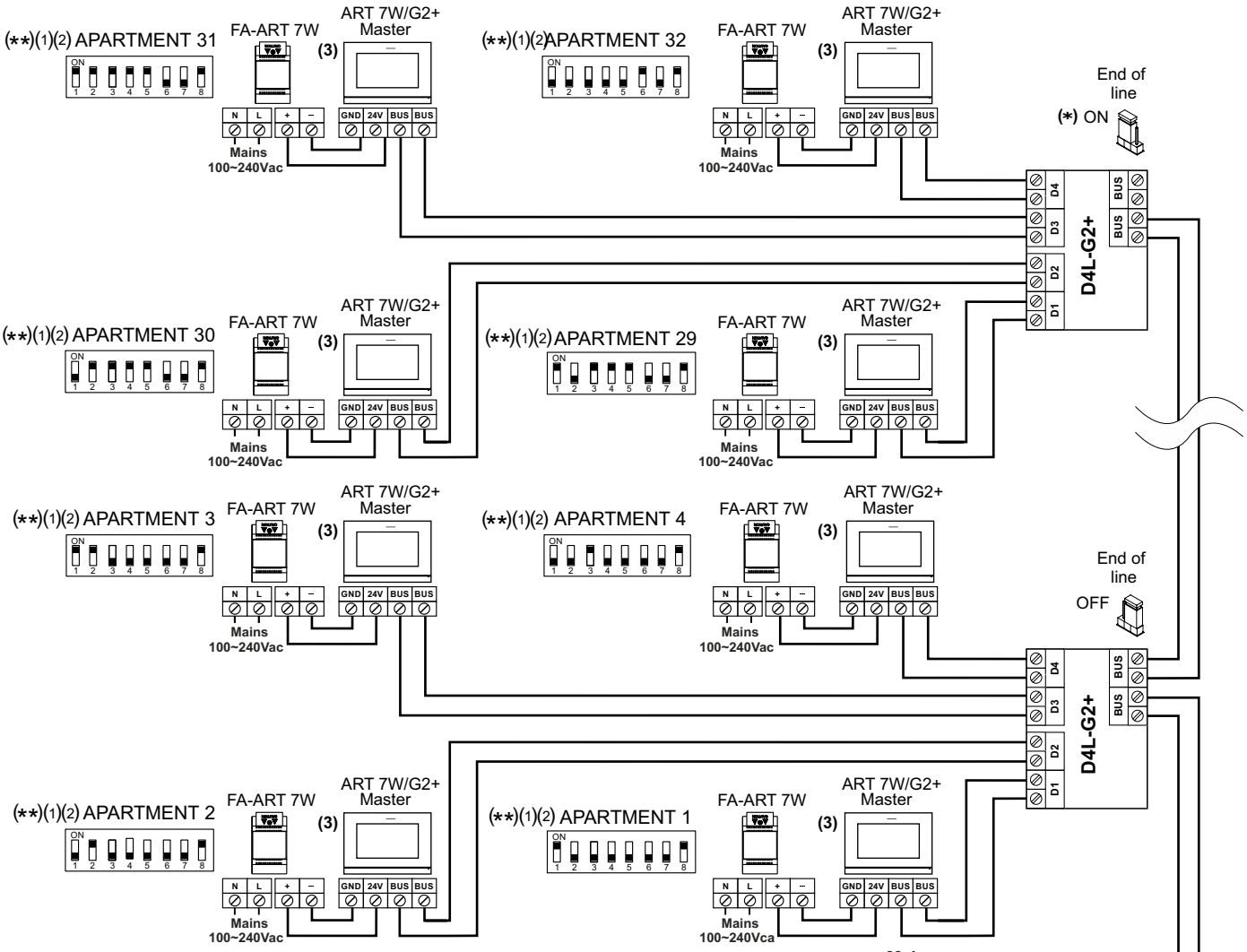
(1) For description of operation and configuration of the monitor / terminal, (see the corresponding manual).

(2) The monitor is set at the factory as **master**, apartment with more than 1 monitor, (see pages 21-24 to define as slave). The terminal is set at factory as **master**, to define as slave 1 (as indicated in the diagram Dip 8 & Dip9).

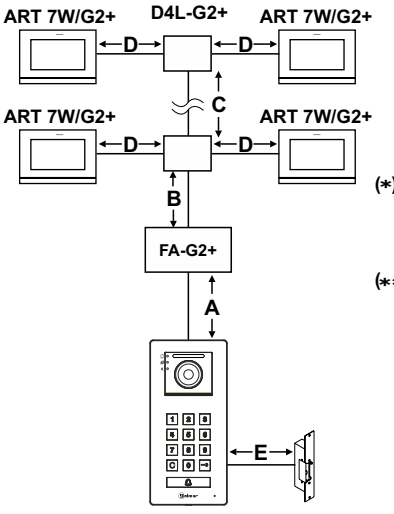
(3) To set the access panels "building mode" and with address 2 the door panel 2, (see pages 7 to 9).

WIRING DIAGRAMS (BUILDING)

32 apartments with 2 access panels and up to 32 ART 7W monitors with 8 D4L-G2+ distributors



Cross sections and distances



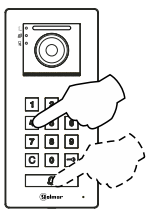
Cable	A	B	C	D	B+C+D	E
RAP-GTWIN/HF 2x1mm^2	80m	80m	80m	30m	190m	15m

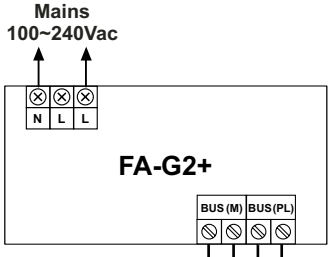
(*) **Set to ON the end of line in the last distributor, all other intermediate distributors set to OFF.**

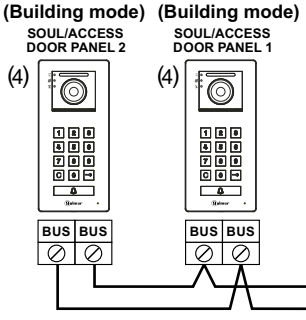
(**) **Set to ON the end of line in the last monitor. Dip 8 a On.**

Example:

To call apartment 4:
Press: 0004 or 4 + 🔔





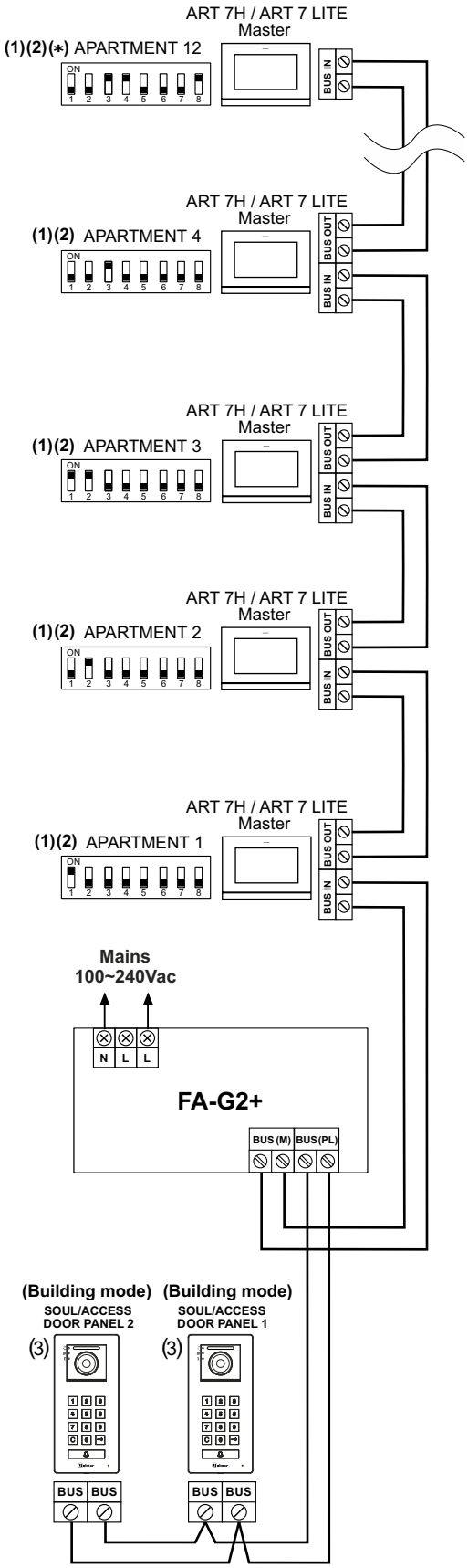


Important:

(1) For description of operation and configuration of the monitor, (see the corresponding manual).
(2) The monitor is set at the factory as **master**, apartment with more than 1 monitor, (see pages 21-24 to define as slave).
(3) The ART 7W/G2+ with WI-FI transmission activated (only the master monitor of each apartment), FA-ART 7W power supply required.
(4) To set the access panels “building mode” and with address 2 the door panel 2, (see pages 7 to 9).

WIRING DIAGRAMS (BUILDING)

12 apartments with 2 access panels and up to 12 monitors in IN-OUT without distributors

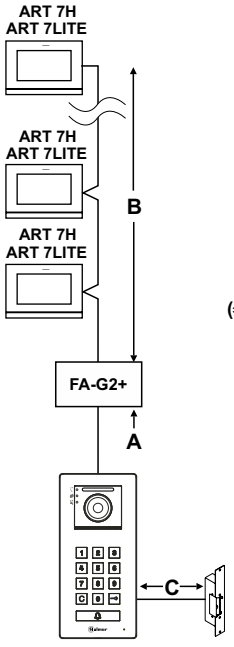


IMPORTANT: Up to 12 monitors in IN-OUT without distributors, per installation (building).

Example installation type:

- With ART 4 / ART 4 LITE / ART 4WH monitor
- With ART 7H / ART 7 LITE monitor
- With ART 7W/G2+ monitor (see page 15, too).

Cross sections and distances

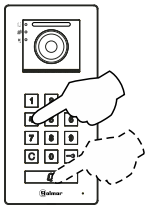


Cable	A	B	C
RAP-GTWIN/HF 2x1mm²	80m	80m	15m

(∗) Set to ON the end of line in the last monitor. Dip 8 a On.

Example:

To call apartment 4:
Press: 0004 or 4 +



Important:

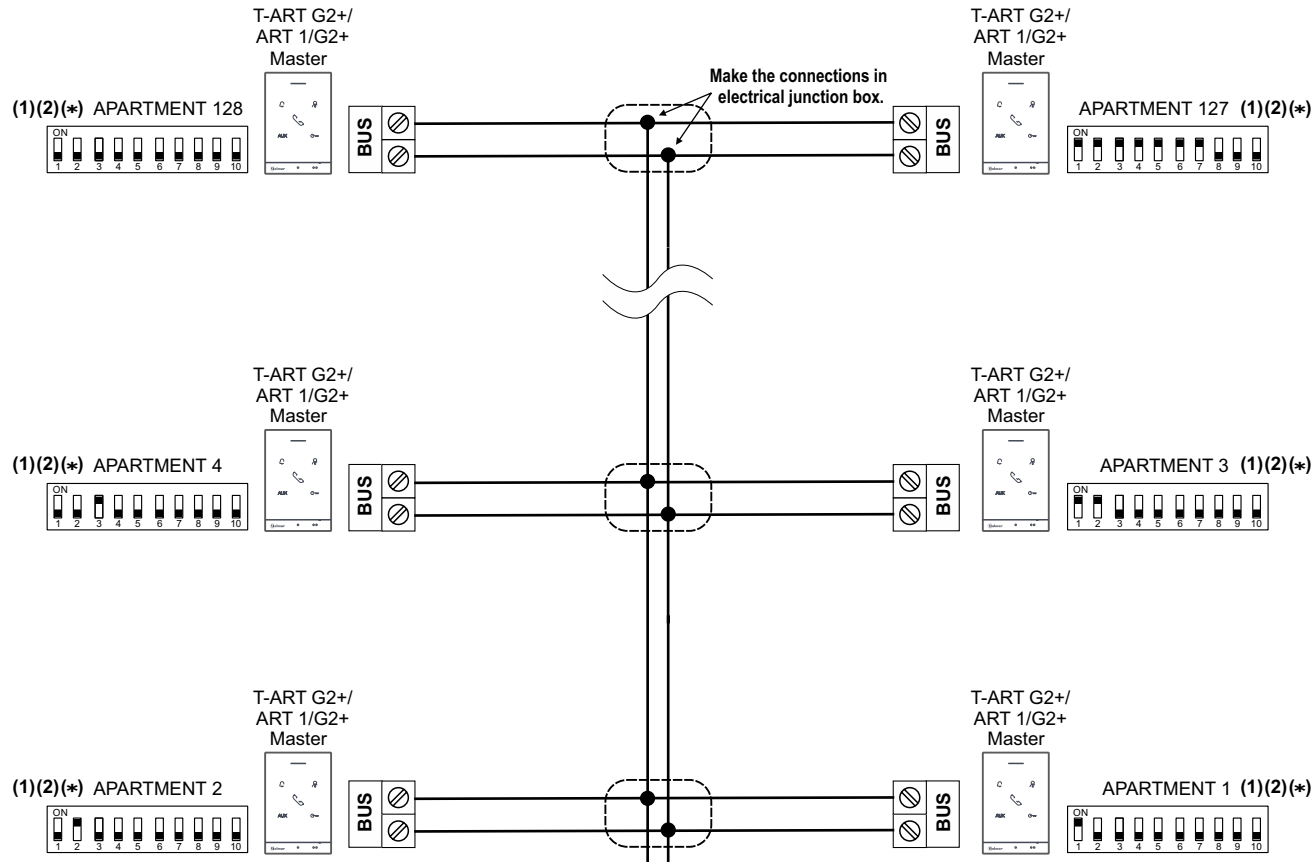
(1) For description of operation and configuration of the monitor, (see the corresponding manual).

(2) The monitor is set at the factory as **master**.

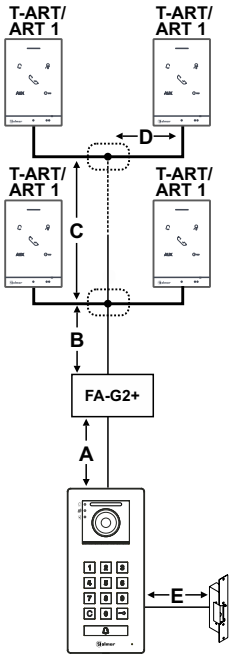
(3) To set the access panels "building mode" and with address 2 the door panel 2, (see pages 7 to 9).

WIRING DIAGRAMS (BUILDING)

Audio door entry system with 2 access panels and up to 128 terminals / apartments



Distances and cross-sections:



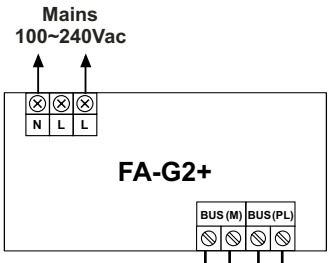
Cable	A	B	C	D	B+C+D	E
RAP-GTWIN/HF 2x1mm^2	80m	20m	96m	15m	130m	15m

Important:

B: Must be ≤ to 20m.

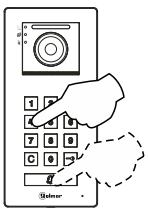
D: Must ber ≤ to 15m.

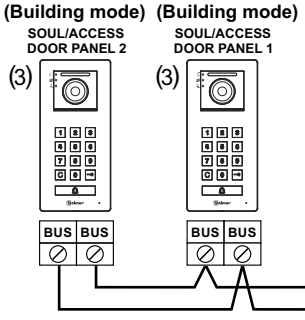
(∗) Only audio installation, configure the end of line Dip 10 to OFF in all audio terminals.



Example:

To call apartment 4:
Press: 0004 or 4 + 🔔





Important:

(1) For description of operation and configuration of the ART 1/G2+ or T-ART/G2+ terminal (see the corresponding manual)

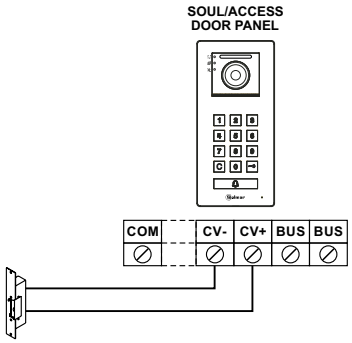
(2) The terminal is set at the factory as **master**.

(3) To set the access panels “building mode” and with address 2 the door panel 2, (see pages 7 to 9).

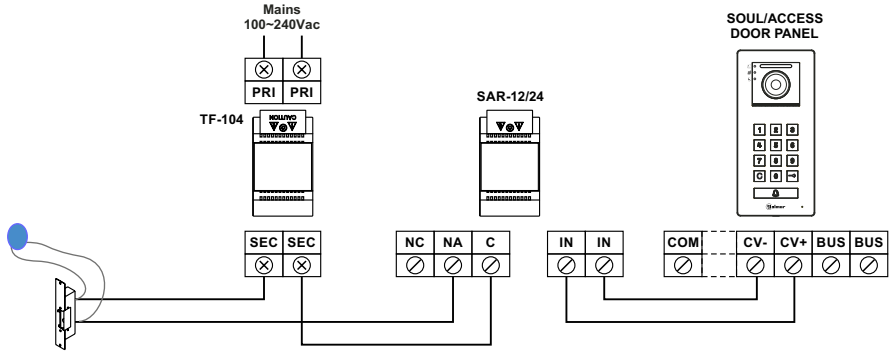
WIRING DIAGRAMS (VILLA/ BUILDING)

Connection of a lock release

The drawing shows the connection of a 12Vdc lock release, with a maximum consumption of 270mA. The use of Golmar CV-14/DC, CV-24/DC, CV-14P/UNI or CV-24P/UNI models is recommended. Activation is carried out through icon 1 in the monitors and the icon in the terminals. The activation time is 3 seconds with the possibility of setting it to between 0.5 and 10 seconds (see pp. 7 to 9).



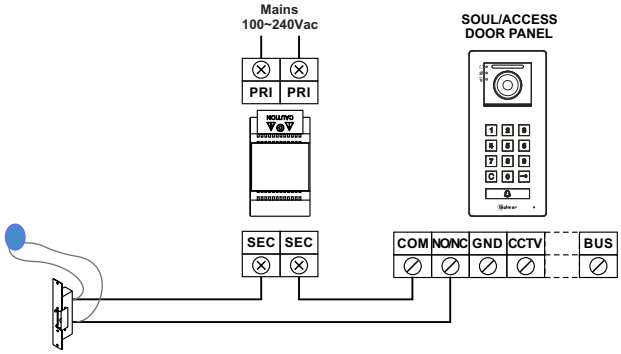
If the lock release to be used is alternating current, use a relay and transformer suitable for the consumption, as well as the varistor supplied. The example shows a Golmar SAR-12/24 relay and a TF-104 transformer (12Vac/1.5A).



Important: More than 2 access door panels, DPM-G2+ multiplexer required and AC lock release must be connected to door panels 3 and 4 (instead of DC lock release) with a SAR-12/24 relay module and a TF-104 transformer.

Connection of an auxiliary device at the relay output

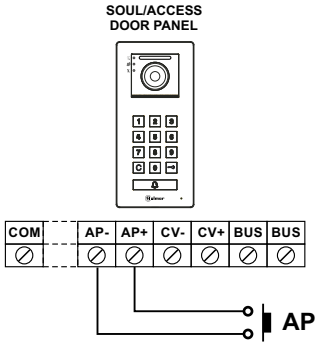
The drawing, by way of example, shows the connection of a second AC lock release. The relay can switch 6A/24V loads. Activation is carried out through icon 2 in the monitors and the icon AUX en los terminales. The activation time is 3 seconds with the possibility of setting it to between 0.5 and 10 seconds (see pp. 7 to 9).



WIRING DIAGRAMS (VILLA/ BUILDING)

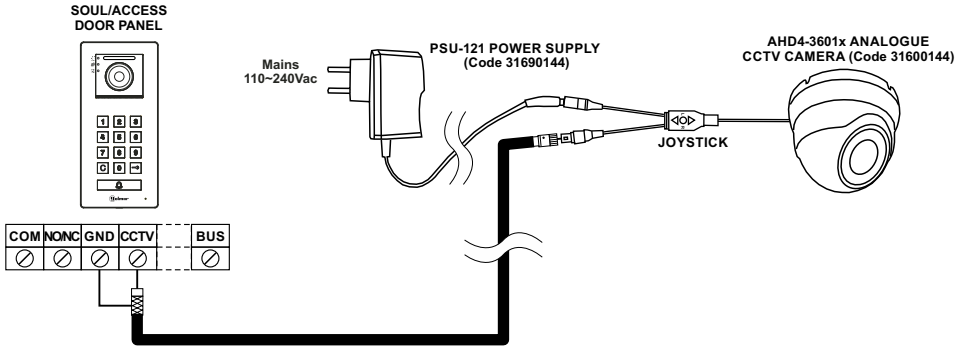
Connection of an output button

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. 7 to 9). 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. 7 to 9).



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. 21to 22) from the monitor. The camera needs to have a local PSU-121 power supply.



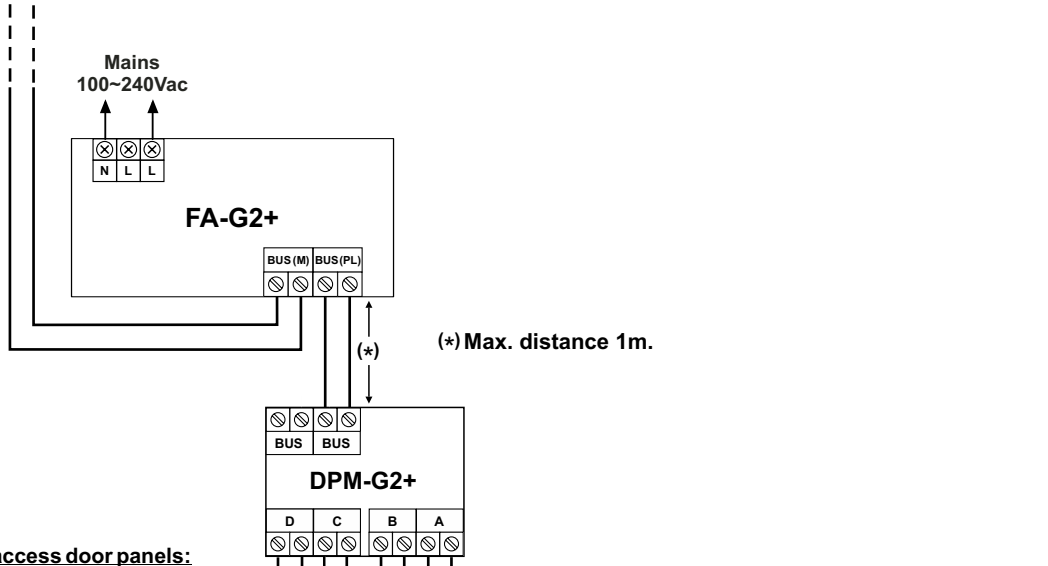
Important: Set the camera with a CVBS analogue signal, as described in the accompanying AHD4-3601x camera manual.

WIRING DIAGRAMS (VILLA/ BUILDING)

Video door entry system: To villa monitor/s, see pp. 10 to 11 / to building monitors, see page 16.

Video door entry system: To villa distribuidor, see page 11 / to the distributors (buildings floors), see pp. 12 to 15.

Audio door entry system: To electrical junction box for Bus connections T-ART / ART 1 G2+, see page 17.



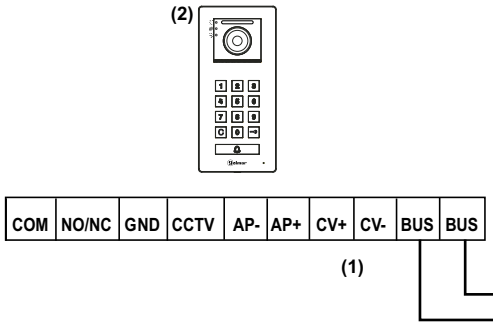
(1) IMPORTANT:

Installations of more than 2 access door panels:

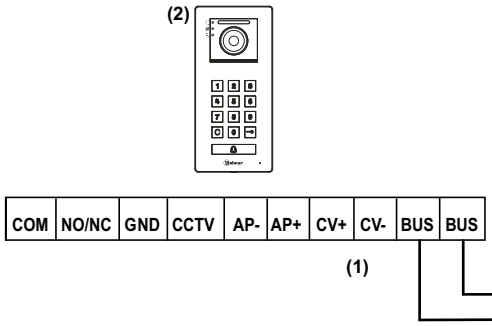
AC lock release must be connected to door panels 3 and 4 (instead of DC lock release) with a SAR-12/24 relay module and a TF-104 transformer, (see page 18).

(2) To set the access panels with address 2, 3 & 4 (see page 7 to 9).

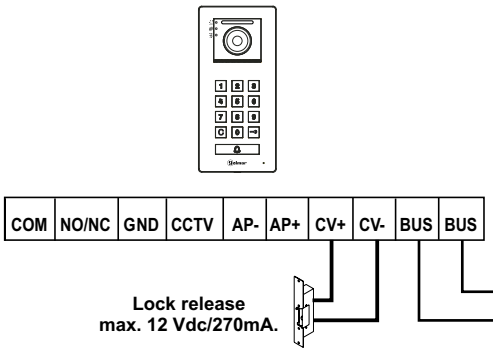
Access door panel 4



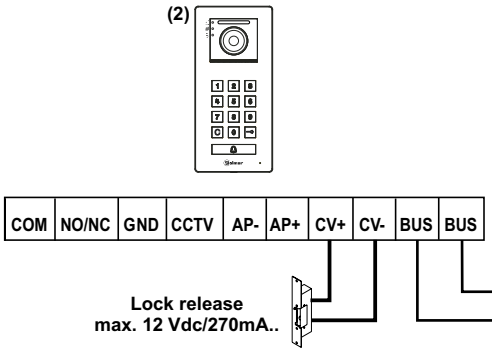
Access door panel 3



Access door panel 1



Access door panel 2

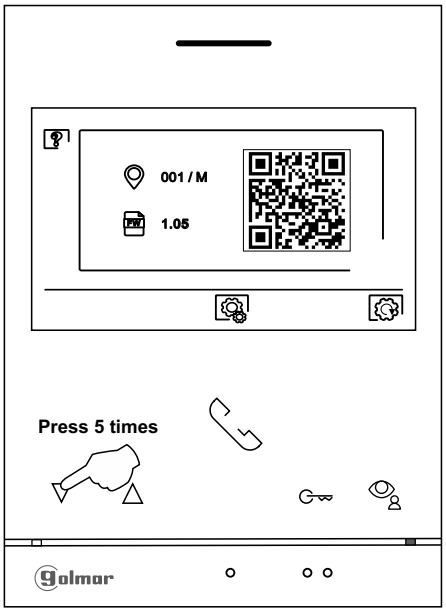


Viene de la página anterior.

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 and press five times on button ▽ of the monitor, (for more information see the corresponding manual).

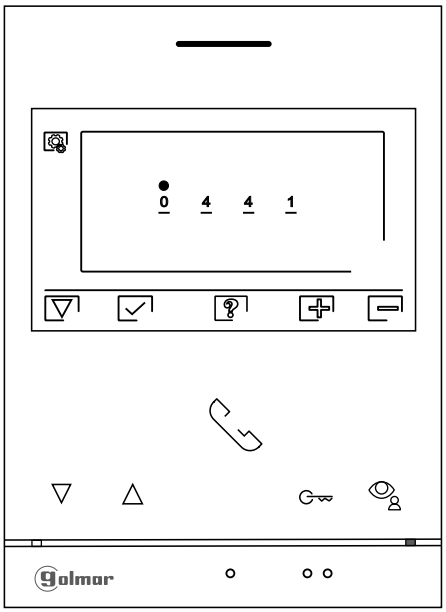
'About' screen



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



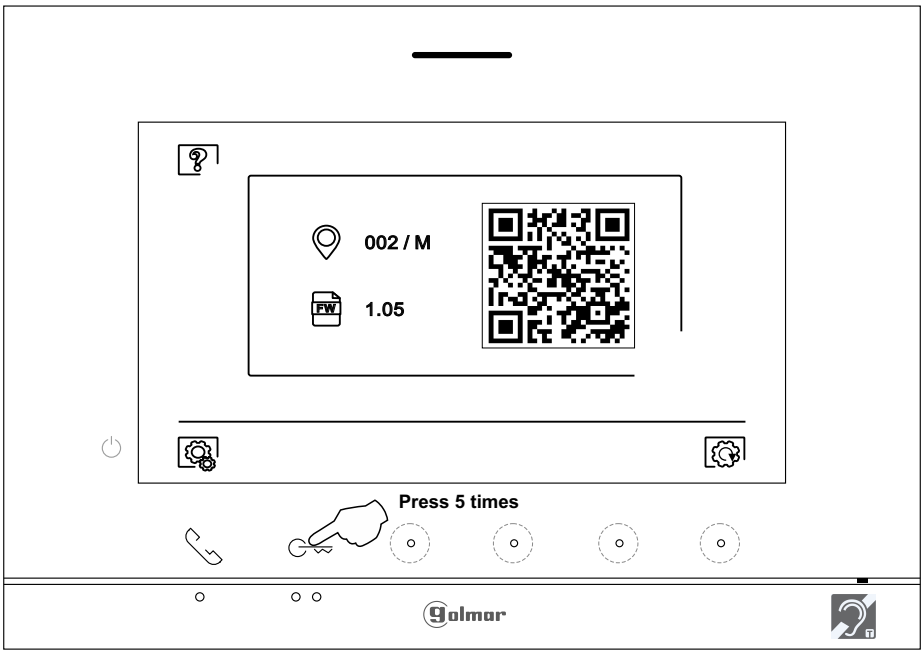
Continued overleaf

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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 and press five times on the button located above the raised dot for the visually impaired ●● , (for more information see the corresponding manual).

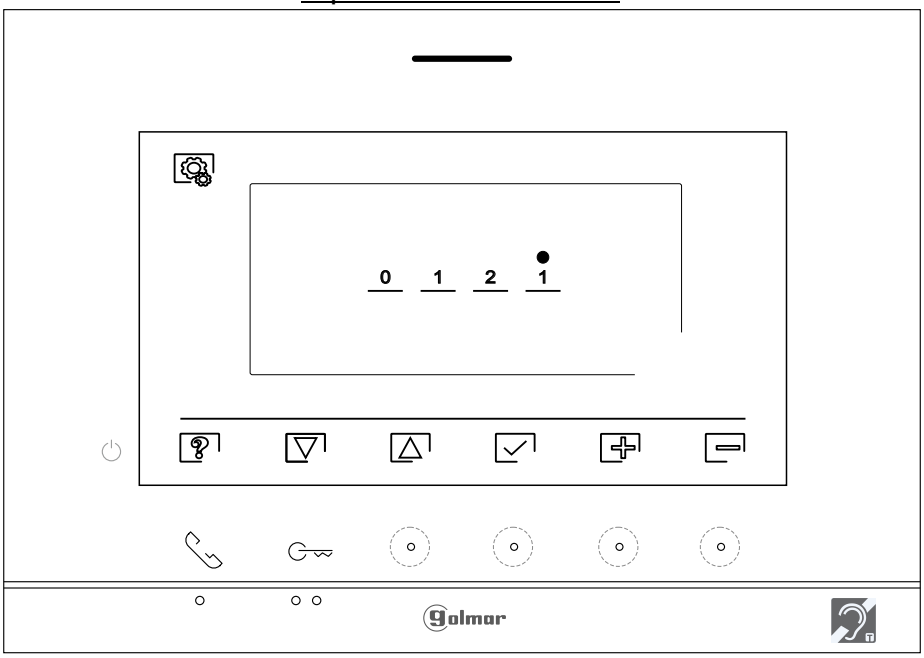
'About' screen



The 'special codes' screen will then be displayed. Press the button/ hidden button below icons ▽ / △ to select the field to be modified and press the hidden buttons below icons ⊞ / ⊟ to enter the desired code. Once the code has been entered, press the hidden button below icon ☑ to validate it. If the code entered is valid, icon ✓ will be displayed; if it is not, icon ✕ will be shown.

Use icon ? to return to the 'About' screen.

'Special codes' screen



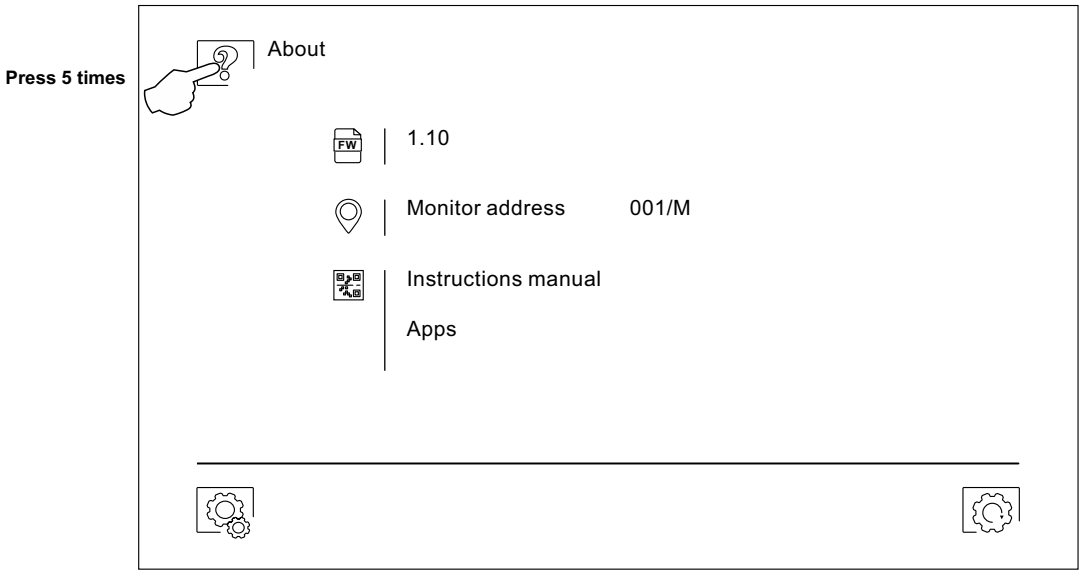
Continued overleaf

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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 and press five times on icon in the top left of the screen to bring up a keyboard to enter the codes, (for more information see the TART 7W manual).).

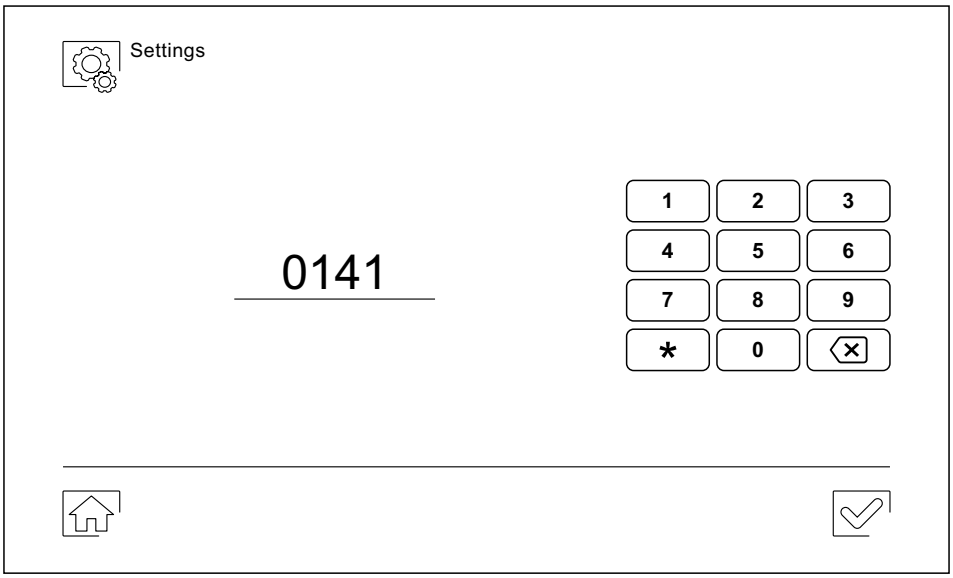
'About' screen



The 'special codes' screen will then be displayed. The codes must be entered one by one and validated using icon . If the code entered is valid, the 'OK' message will be displayed; if not, the 'ERROR' message will be displayed.

Use icon to return to the 'About' screen.

'Special codes' screen



Important: New settings menu with ART 7W G2+ monitor with V.04 and later.

Continued overleaf

Continued from previous page.

Fuentes de vídeo disponibles en un monitor (configurar solo en monitor principal).

	Visible	No Visible	Valor de fábrica
Placa 1	0111	0110	0111
Placa 2	0121	0120	0120
Placa 3	0131	0130	0130
Placa 4	0151	0150	0150
Cámara 1	0141	0140	0140
Cámara 2	0181	0180	0180
Cámara 3	0171	0170	0170
Cámara 4	0191	0190	0190

(2)(4)(5)(7) To define whether the monitor is master, slave 1, slave 2 or slave 3:

Master	Slave 1	Slave 2	Slave 3	Factory setting
0550	0551	0552	0553	0550 (master)

Automatic door opening upon reception of a call on a monitor (configure only on the master monitor).

Activated	Deactivated	Factory setting
0441	0440	0440

Activate/deactivate the ('power indicator' notification icon) and leds of hidden push buttons (7" monitors).

Activate	Deactivate	Factory setting
0471	0470	0471 (activated)

Do not show the image on the monitor when receiving a call from the door panel when the monitor is in 'Do not disturb' mode.

Do not show	Show	Factory setting
0481	0480	0480 (show image)

(1)(2)(6) Activate/ deactivate the images recording in all monitors (villa / building).

Activate	Deactivate	Factory setting
0531	0530	0531 (activated)

(1)(2)(3)(5)(6) Enable/ disable the icon of the main menu in all monitors (villa / building).

Enable	Disable	Factory setting
0541	0540	0541 (enable)

(7) Restore the door panel(s) with the master code to factory default: "1234".

All door panels	Door panel 1	Door panel 2	Door panel 3	Door panel 4
8000	8001	8002	8003	8004

LED lights for night viewing (Door panel 1) during a call or communication process. (Configure only on the master monitor).

Automatic	Always ON	Always OFF	Factory setting
0450	0451	0452	0450 (automatic).

LED lights for night viewing (Door panel 2) during a call or communication process. (Configure only on the master monitor).

Automatic	Always ON	Always OFF	Factory setting
1450	1451	1452	1450 (automatic).

LED lights for night viewing (Door panel 3) during a call or communication process. (Configure only on the master monitor).

Automatic	Always ON	Always OFF	Factory setting
2450	2451	2452	2450 (automatic).

LED lights for night viewing (Door panel 4) during a call or communication process. (Configure only on the master monitor).

Automatic	Always ON	Always OFF	Factory setting
3450	3451	3452	3450 (automatic).

To define the light up duration time from 1 to 99 seconds (SAR-G2+ Relay). (Configure only on the master monitor).

	Factory setting
From 1801 (1s) to 1899 (99s)	1803 (3s)

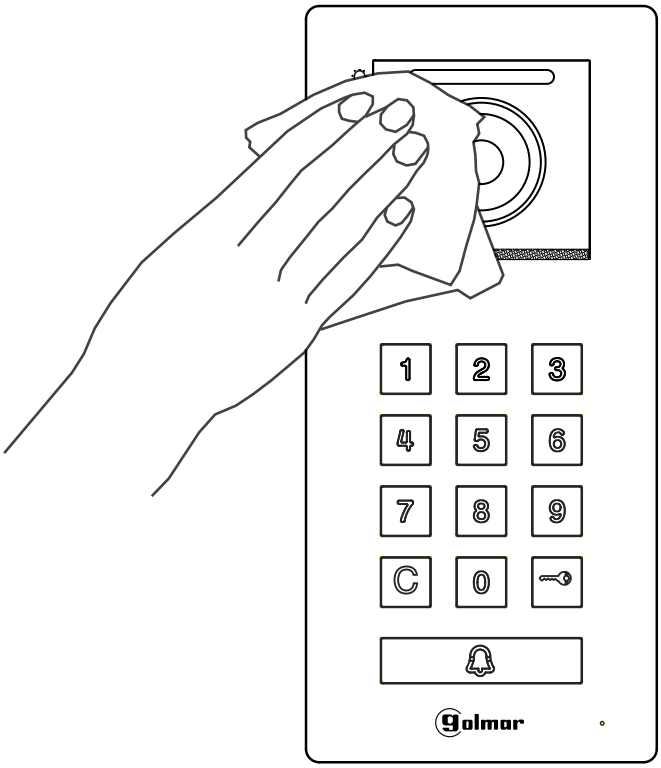
To define the light up delay time from 0 to 99 seconds (SAR-G2+ Relay). (Configure only on the master monitor).

	Factory setting
From 1900 (0s) to 1999 (99s)	1900 (0s)

(1) ART 4/G2+ V04 (2) ART 4/G2+ V05 & ART 7H/G2+ V01 (3) ART 4 LITE/G2+
(4) ART 4 LITE/G2+ V02 (5) ART 7 LITE/G2+ (6) ART 7/G2+ V03 & ART 7W/G2+
(7) ART 7W/G2+ V08

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 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 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.

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