Cód. 50124319

Audio and Video door entry system digital installation with coded panel

Stadio Plus

Instructions manual

T3403ML rev.0112

INTRODUCTION

First of all we would like to thank and congratulate you for the purchase of this product manufactured by Golmar.

The commitment to reach the satisfaction of our customers is stated through the ISO-9001 certification and for the manufacturing of products like this one.

Its advanced technology and exacting quality control will do that customers and users enjoy with the legion of features this system offers. To obtain the maximum profit of these features and a properly wired installation, we kindly recommend you to expend a few minutes of your time to read this manual.

INDEX

STARTING RECOMMENDATIONS

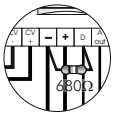
- Do not use excessive force when tightening the power supply connector screws.
- The entire installation must be at least **40cm**. away from any **other installation**.
- Before to connect the system, check the connections between door panel, distributors, monitors, telephones, and the power supply connection. Do always follow the enclosed information.
- Each time the power supply is restarted, or after a modification, the system will remain blocked during 30 seconds.
- Always use RG-59 B/U MIL C-17 or RG-11 coaxial cables, (see page 110). **Never use coaxial antenna cable.** In installations no longers than 100m., **Golmar RAP-5130** cable can be used.

SAFETY PRECAUTIONS

- Install or modify the equipment **without the power connected**.
- The installation and handling of these equipments must be performed by **authorised personnel**.
- The entire installation must be at least **40 cm**. away from any **other installation**.
- With power supply:
  - Do not use excessive force when tightening the connector screws.
  - Install the power supply in a dry and protected place without risk of drip or water projections.
  - Avoid to place it near to heating sources, in dusty locations or smoky enviroments.
  - Do not block ventilation holes of the unit so that air can circulate freely.
  - To avoid damage, the power supply has to be firmly fixed.
  - To avoid an electrical shock, neither remove the protection cover nor handle the connected wire in the terminals.
- With monitor, telephones and distributor:
  - Do not use excessive force when tightening the connector screws.
  - Install the equipments in a dry and protected place without risk of drip or water projections.
  - Avoid to place it near to heating sources, in dusty locations or smoky enviroments.
  - Do not block ventilation holes of the equipments so that air can circulate freely.
- Remember, the installation and handling of these equipments must be performed by authorized personnel and in the absence of electrical current.
- Do always follow the enclosed information.

VERY IMPORTANT

- Platea/Tekna Uno monitor and the telephone T-740 Uno are fully compatible with Platea/Tekna Plus monitor and T-740 Plus telephone. However, **a resistor must be installed between 'D' and '–' terminals of the door panel**. This resistor is supplied with the door panel. In case of several door panels, place the resistor **only** on the one closest to the backbone. When using a digital repeater **RD-Plus/Uno SE**, this operation is not necessary.



- In case of one or more Uno telephones or monitors on the installation, if the distance between the door panel and the last monitor or telephone exceeds 200 meters, or if the building has more than 200 monitors or telephones, a digital repeater **RD-Plus/Uno SE** will be necessary.

COAXIAL CABLE CHARACTERISTICS

Coaxial cable characteristics RG-59 B/U MIL C-17.

ELECTRICAL CHARACTERISTICS	VALUES
Core max. electrical resistence to 20°C Copper core Copper shield	 ≤158 Ω /Km ≤10 Ω /Km
Nominal capacitance	≤67pf/m
Characteristic impedance	75 ± 3 Ω
Velocity of Propogation	≥66,6 %

- Microprocessed systems with bus installation (no call wires):
  - Audio system with 4 common wires installation.
  - Video system with 3 common wires plus coaxial cable.
  - Video system with 4 common wires plus twisted pair cable.
- Unlimited number of door panels (access) being not necessary the use of switching units.
- Up to 1000 monitors/telephones per installation or backbone.
- Management of up to 255 internal buildings.
- New programming menu structure (ver. 5.00 or later).
- Direct Call Code that allows to use a different call code from the one recorded on the monitor or telephone (page 121).
- 'Repertory: insert' function, that allows to keep sorted the repertory content (page 127).
- Transmission of the repertory content to other panels or porter's exchanges through the installation wires (page 128).
- Third access control code with time restriction (page 125).
- Text edition using the keypad as a mobile phone (page 129).
- **Previous software versions of the Ver. 5.00 are fully compatible, except when the Direct Call Code is activated or the number of internal buildings is bigger than 99.**
- Acoustic busy channel and call acknowledgement signals.
- Timed door open activation.
- d.c. lock releases activation.
- Up to three monitors or telephones in the same apartment without additional power supplies.
- With Platea/Tekna Uno monitors or T-740 Uno telephones:
  - Privacy on audio and video communications.
  - 'Autoswitch-on' function (only monitor).
  - 'Video-Spy' function remaining the communication channel free (only monitor).
  - Call to master porter's exchange.
  - Input for door bell apartment push button.
  - B/W & Color monitor.
  - Brightness and contrast control (color control in case of color screen).
- With Platea/Tekna Plus monitors or T-740 Plus telephones, addition to the above features:
  - Three-position control for call volume: maximum, medium and minimum (off only T-740 Plus).
  - Input for external door release push button (only T-740 Plus).
  - Intercommunication function with other monitor or telephone of the same apartment.
  - Output for additional call repeater.
  - Call to slave porter's exchange.
  - Panic call to the porter's exchange.
  - Different call reception tones depending where the call is comming from: main or slave door panels, door bell push button, intercom, ...
  - Activation of two auxiliary devices: secondary telecamera, courtesy light, ...
  - The T-740 Plus telephone, allows one of these functions at once (see page 139):
    - 'Autoswitch-on' function.
    - Output for auxiliary relay activation (18Vdc/0,5 A maximum).
    - Call to a slave porter's exchange.
    - Intercommunication function with other monitor or telephone of the same apartment.

One building systems.

- To make a call, the visitor should key-in the three digits code corresponding to the apartment he wishes to contact: the door panel display will show the sequence keyed-in. Once the code has been introduced, press bell key to confirm the call: acoustic tones will be heard confirming the call is in progress and the door panel display will show the message `calling`. At this moment the call will be received at the monitor (telephone) in the dwelling. If an incorrect code has been keyed-in, press Ⓒ key and try again.

  In systems with several access doors, the other(s) door panel(s) will be automatically disconnected: if a visitor tries to call from other door panel an acoustic tone will be heard confirming the system is busy and the door panel display will show the message `busy`.

  The call tone will be reproduced on the monitor during 3 seconds: after this time the picture will appear on the master monitor without the visitor being aware of this. To see the picture in a slave monitor press the ⊕ push button, dissapearing the picture on the other monitor. If the call is not answered in 45 seconds, the system will be freed.
- To establish communication pick up the monitor (telephone) handset. The communication will last for one and a half minutes or until the handset is replaced. During the communication the door panel display will show the message `communication`. Once the communication has finished the system will be freed.
- To open the door, press the door release push button during call or communication progresses: with one press, the door release operates during the programmed time. During the lock release activation an acoustic tone will be heard on the door panel confirming the lock release is activated, and the door panel display will show the message `door opened`.
- The monitor and telephone push buttons description is shown on pages 132, 139 and 141 respectively.

Systems with general entrance door panel(s) and several internal buildings.

- To make a call from a general entrance door panel, the visitor should key-in the five digits code corresponding to the apartment building he wishes to contact: the door panel display will show the sequence keyed-in. Proceed as described on the previous paragraph to establish the call progress.

  The corresponding internal door panel and the other general entrance door panels (if exist): if a visitor tries to call an acoustic tone will be heard confirming the system is busy, and the door panel display will show the message `busy`. The rest of door panels are free to establish communication.
- To make a call from an internal door panel proceed as described on the previous paragraph. The rest of internal door panels are free to establish communication. A call from the general entrance door panel can be made to any of the internal buildings, except to the one is in communication.

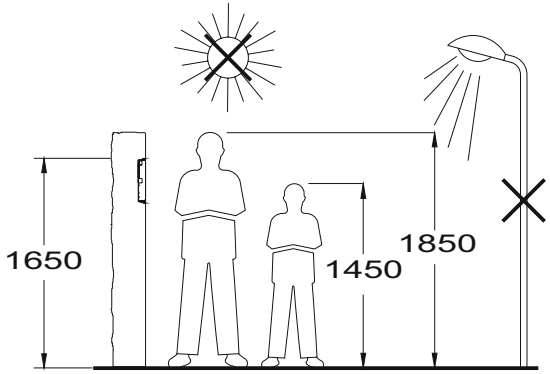
Use of the repertory names.

- If the visitor don't know the code of the apartment he wishes to contact, he could find it on the repertory name by searching through the arrow keys. Once the code has been found, the call can be made by pressing the bell key. Refer to page 129 for details about fast repertory searching.

Lock release activation using the access control.

- To open the door using the access control facility, press KEY symbol and one of the valid access codes. During the lock release activation an acoustic tone will be heard on the door panel confirming the lock release is activated, and the door panel display will show the message `door opened`. If an incorrect code has been keyed-in, press Ⓒ key and try again. The introduction of three wrong consecutive codes freezes the access control during 60 seconds.

Embedding box positioning.

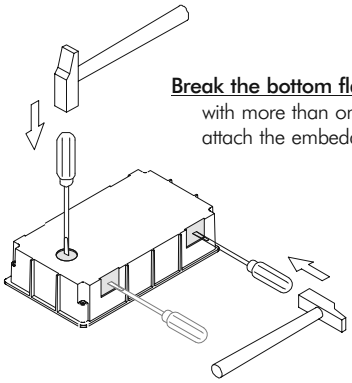


The upper part of the door panel should be placed at 1,65m. height roughly. The hole dimensions will depend on the number of door panel modules.

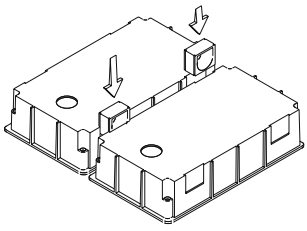
Modules	1	2	3
Model	CE610	CE620	CE630
W	125	125	125 mm.
H	140	257	374 mm.
D	56	56	56 mm.

The door panel has been designed to be placed under most of the environmental conditions. However it's recommended to take additional cautions like rainproof covers. To obtain a good quality picture on video door entry systems, avoid direct incidence from light sources.

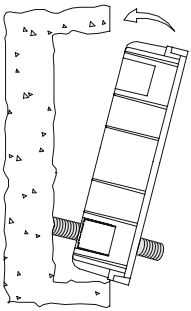
Preparing the cables entry.



Break the bottom flange to pass the cables through. In case of door panels with more than one embedding box, break the side flanges and attach the embedding boxes using UC junctions.



DOOR PANEL INSTALLATION

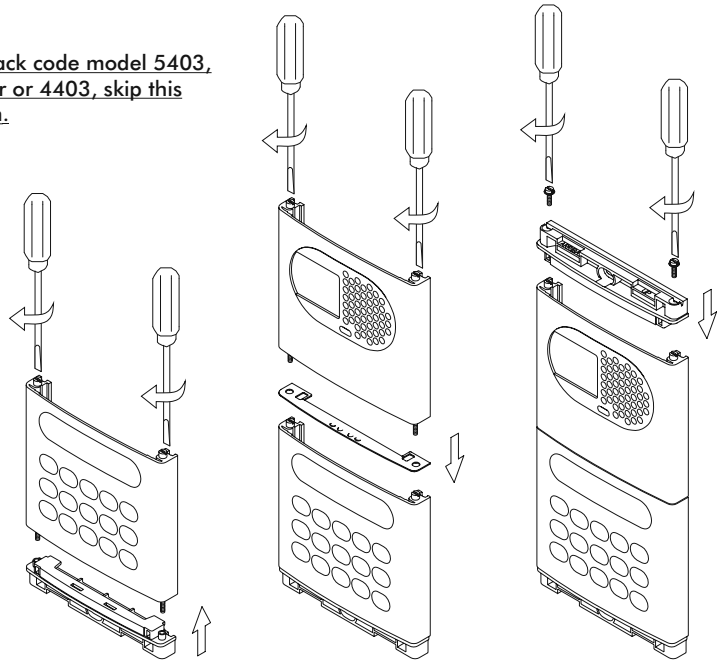


Place the embedding box.

Pass the wiring through the hole made in the bottom part of the embedding box. Level and flush the embedding box. Once the embedding box is placed, remove the protective labels from the attaching door panel holes.

Assembly the door panel modules.

<u>In case of a pack code model 5403, 5403 color or 4403, skip this paragraph.</u>

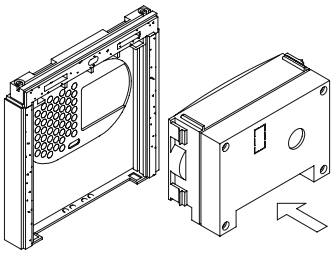


Insert the header DOWN marked in the lower module and fix it by screwing the module shafts.

Place the module spacer between lower and next modules, assuring that the spacer adjustment notches are inside the panel. Fix the module by screwing the shafts. Repeat this procedure in case of door panels with one more module (the maximum number of modules placed vertically is three).

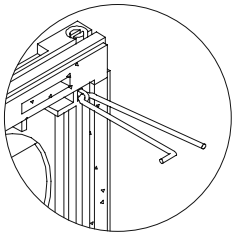
Insert the header UP marked in the last module and fix it by screwing the supplied screws.

Assembly the sound module.

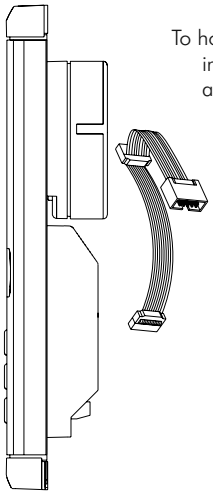


Insert the sound module in the grille module.
For a proper assembly, align the light push button and the microphone rubber of the sound module with its corresponding holes in the grille module.

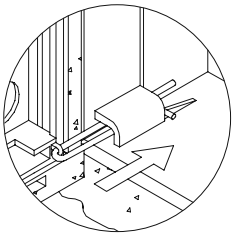
Hold the door panel on the embedding box.



Select a direction to open the door panel; this selection should ease the door panel wiring.
The opening direction will be settled through the hinges position, that must be passed through the header clips as shown.
For example, if the hinges are placed on both clips of the lower header, the door panel will open downwards; if they are placed on the right clips of both headers, the door panel will open to left.



To hold the door panel on the embedding box, insert the hinges in the embedding box lockers as shown.



Link the sound module with the keypad module by using the supplied flat cable.

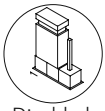
DOOR PANEL INSTALLATION

Description of the configuration jumpers.

The JP1, JP2, JP3 and JP4 configuration jumpers are placed on the left side of the terminal connector.

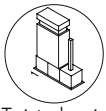
Jumper JP1 loads the installation with a communications resistor. For a proper system operation, activate this resistor only in the closest door panel to the backbone installation or in the general entrance door panel (if exists).
Factory default: enabled.


Enabled.


Disabled.

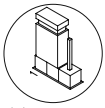
Jumper JP2 selects the type of cable to be used for the video signal: coaxial cable (RG-59 or RG-11) or twisted pair. Twisted pair video transmission requires the use of an EL560 module plugged in the CN4 connector.
Factory default: coaxial cable.


Coaxial.

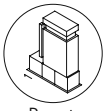

Twisted pair.

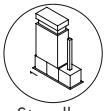
Jumper JP3 selects the volume of the door panel acknowledgement signals (call in progress, system busy and door opened). If after starting the system it's considered that the volume is too high, modify the jumper position.
Factory default: maximum.

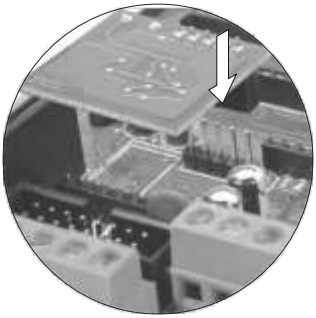

Maximum.


Minimum.

Jumper JP4 allows to reset the installer PIN code to the factory default (see page 119).
Use this function only in case to forget this code.
With the system switched on, change the jumper position to reset the code and return it to the standby position.


Reset.


Standby.

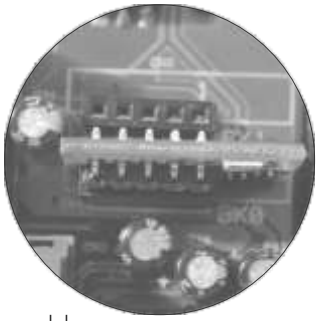


Optional. EL560 module for video installations with twisted pair cable.

Plug the EL560 module in the CN6 connector.
The CN4 connector is accessible by unbolting the four screws of the pcb protection cover.

NOTE: on this type of installations the EL562 module must be plugged in all the monitors.
Refer to the specific installation diagram.

Memory banks.



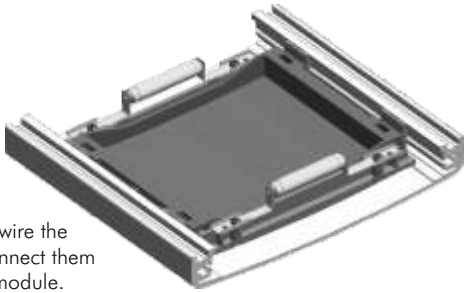
The door panel has two memory banks to plug 256Kb memory modules in.
Each module allows to record the custom text for a maximum of 968 users.
The system is delivered with one memory module placed in the bank number 0 (BK0), where the system configuration will be recorded.

IMPORTANT: in case of door panels with two memory modules, don't change their bank position once they have been recorded.
BK0 bank module must always have a memory module plugged in.

Computer connection.

It's possible to program the door panel using a computer through its RS-232C port.
An interface (not included) should be connected to CN8 door panel connector. MEMEDIT software (included with the interface) will allow to program the door panel and to save a copy of each system.
In case of memory damage it will be possible to restore the system configuration from the computer.

Informative module lamps wiring.



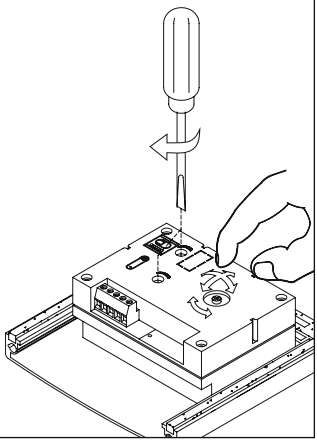
Once the informative labels are placed, wire the lamps from different modules and connect them to terminals L1 and L2 of the sound module.

Final adjustments.

If after starting the system it's considered that the audio volume isn't correct, proceed with the necessary adjustments as shown.

The telecamera has a pan and tilt mechanism built in to adjust the telecamera position.

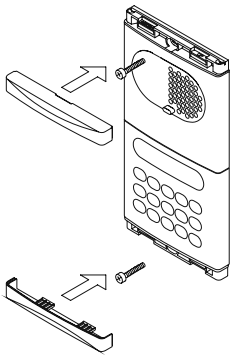
In case of low light conditions, an external illumination can be activated by connecting a SAR-12/24 relay between terminals '+H' and 'L2' of the sound module.



Close the door panel.

Fix the door panel by using the supplied screws.

Finish the door panel assembly by pressing the closing heads.



Programming menu.

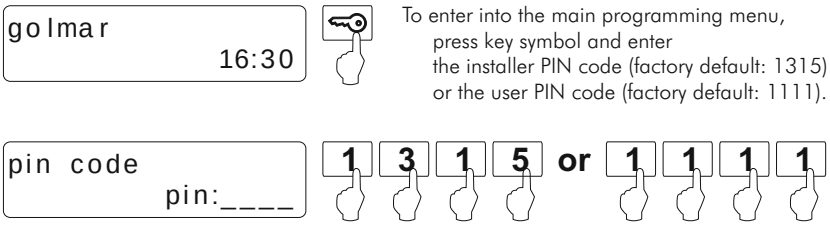
It will be necessary to enter into the programming menu to configure the system properties. For a proper system operation, the menus marked with an **asterisk** must be configurated. Two different programming menues are available: **installer**, that allows to modifiy any of the system properties and **user**, that only allows changes that do not affect the system operation. Programming options with black text and white background are availables in both menues; options with white text and black background are only availables on installer menu.

The first time you enter into the programming menu, the display messages will appear in spanish. Press OK when the display shows the message `configuracion`: the display will show now `castellano`. Press OK to change to english or till the desired language appears.

If the option Direct Call Code (page 121) is disabled, it will not be necessary to fill the repertory name for a proper system operation.

Use the arrow keys to move through the programming menu. Option changes will be validate by pressing 🔔 key, even if C key is pressed later.

Use C key to exit from the configuration menu. The door panel will automatically exit from the configuration menu after 90 seconds with no operation.



Continue

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C onfiguration menu.

configuration

To enter into configuration menu, follow the steps described on the previous page and press (🔔) when the display shows the message CONFIGURAtION.

english

Allows to choose the language of the displayed messages and the programming menues. To choose a different language press (🔔) until the desired language will be displayed.

* master panel yes

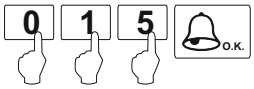
Each system must have one master panel only; the rest of panels must be slave.
In systems with general entrance panel configure as master one panel of each internal building.
Press (🔔) to change this value.

* general panel yes

If this panel is a general entrance door panel select YES.
Press (🔔) to change this value.

* panel address :000

modify value :000



panel address :015

Sets the building code. In buildings with more than one panel, set them with the same code; in systems with general entrance panel, set 0 code for the general entrance panel and a different code for each internal panel (valid codes are from 1 to 255).
To change this value press (🔔): the display will show the message modify value. Key in the new building code and confirm by pressing (🔔).
If (C) is pressed the former value will be restored.
Note: To visualize in the porter´s exchange the general entrance door panel that has made the call, contact with your distributor.

* panel w. camera yes

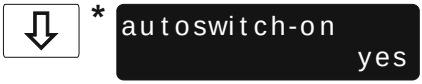
If this panel is a video door panel select YES.
Press (🔔) to change this value in case of audio door panel only.

Continue

Coming from previous page

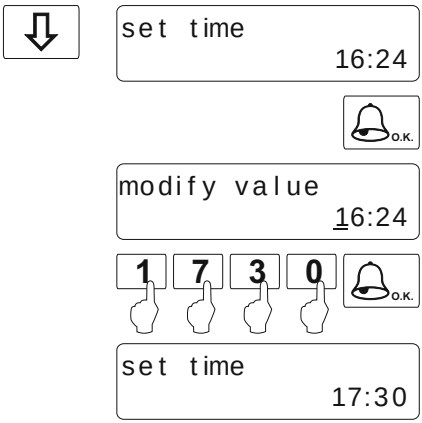
Configuration menu.

If the option YES is selected, the calls made on the door panel will be transferred to the porter's exchange (if exists) in a first attempt.
To enable this function, the porter's exchange must enable its capture panel function.
Press (🔔) to change this value.



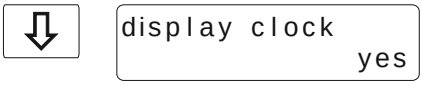
Allows to establish video and/or audio communication without a previous call.
In buildings with several panels, this function can be activated in one of them only; in systems with general entrance panel, this function can be activated in the internal building door panels only.
Press (🔔) to change this value.

Allows the activation of a second call code for each apartment, that can be different to the programmed call code. This code must be assigned on the repertory menu (page 126).
Press (🔔) to disable or enable this feature.



The system has an internal clock that allows to show the time on the door panel display when the system is on stand-by position. This feature can be disabled on the following step and on the user menu.
An internal battery keep the system on time even if the power supply is disconnected during a long period of time.

To set the time press (🔔): the display will show the message `modify value`. Key in the hour value from 0 to 23 and minutes value from 0 to 59 and confirm by pressing (🔔). If (C) is pressed the former value will be restored.



Allows to show or to hide the display clock when the system is on stand-by position.
Press (🔔) to change this value.

Continue

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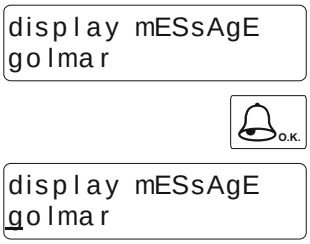
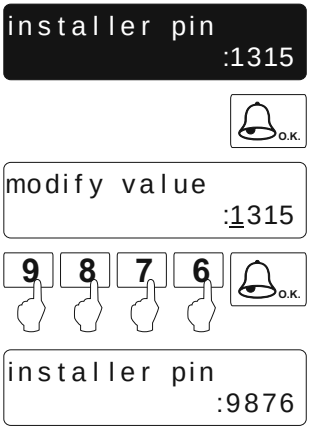
Configuration menu.



The door panel display shows this message when the system is on stand-by position. Use this text to show i.e. the building name or address.

To change this message press 🔔 and proceed as described on page 129.

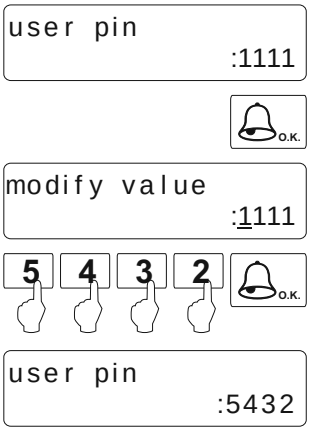
Once the modification has been done the display will show the message `settings recorded`, and will return to the initial screen.



Allows to change the installer PIN code to enter into the installer programming menu (page 119).
Do not let know this code to untrained people; any change on the programming menu could produce a system failure.

To change the PIN code press 🔔: the display will show the message `modify value`. Key in the new code and confirm by pressing 🔔. If Ⓒ is pressed the former value will be restored.

Always use a four digits code.



Allows to change the user PIN code to enter into the user programming menu (page 119). Any change on this menu will not affect the system operation.

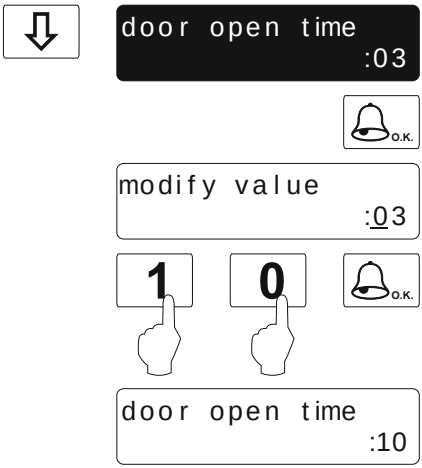
To change the PIN code press 🔔: the display will show the message `modify value`. Key in the new code and confirm by pressing 🔔. If Ⓒ is pressed the former value will be restored.

Always use a four digits code.

Continue

Coming from previous page

Configuration menu.



Allows to set the lock release activation time. Modify this value when the panel is placed far from the door. The value is shown in seconds and the factory default value is 3 seconds.

To change this value press (🔔): the display will show the message `modify value`. Key in the new activation time and confirm by pressing (🔔).

If (C) is pressed the former value will be restored.

The lock release will not be activated if a null value is introduced. To avoid lock release overheating do not introduce a high value.

Displays the door panel software version.

End of the configuration menu. Use "UP" arrow key to move to the previous options.

Press (C) to exit from the configuration menu and return to the main menu.

If (C) is pressed twice the panel will exit from the programming menu.

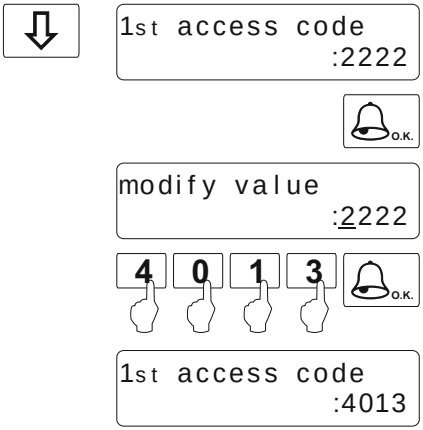
Continue

Coming from previous page

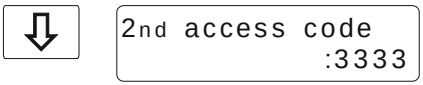
Access control menu.

To enter into access control menu, follow the steps described on page 119 and and press (🔔) when the display shows the message access cONtrOl.

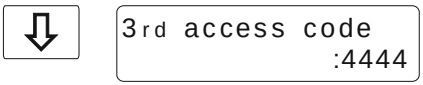
Allows to enable or disable the access control feature (lock release activation by entering a PIN code).
Press (🔔) to change this value.



The system has three different codes to activate the lock release.
To change the first code press (🔔): the display will show the message modify value.
Key in the new code and confirm by pressing (🔔).
If (C) is pressed the former value will be restored.
Always use a four digits code.



To change the second code proceed as described on the previous menu.

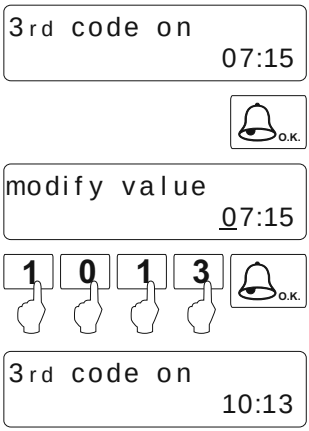


To change the third code proceed as described on the previous menu.
This code allows the lock release activation during a programmable time period, as described on the next menu.

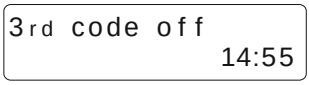
Continue

Coming from previous page

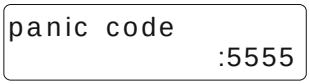
Access control menu.



Defines the starting time from which it's possible to activate the lock release by entering the third code.
To set this time press (🔔): the display will show the message `modify value`. Key in the hour value from 0 to 23 and minutes value from 0 to 59 and confirm by pressing (🔔). If (C) is pressed the former value will be restored.
For a proper operation of this function, the system clock must be correctly adjusted, as described on page 121.



Defines the closing time from which it's possible to activate the lock release by entering the third code.
To set this time proceed as described on the previous menu.
In case that starting and closing times have equal values, the third code will be enabled all the time.



Proceed as described on "1st code" to modify the fourth code. When this code is used to activate the lock release, the system sends an alert message to the porter's exchange (if exists).

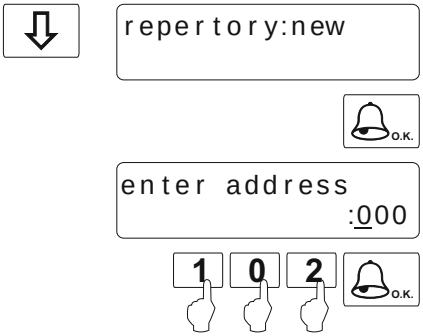
End of the access control menu. Use "UP" arrow key to move to the previous options.
Press (C) to exit from the access control menu and return to the main menu.
If (C) is pressed twice the panel will exit from the programming menu.

Continue

Coming from previous page

Repertory menu.

To enter into repertory menu, follow the steps described on page 119 and press (🔔) when the display shows the message `repertory`.

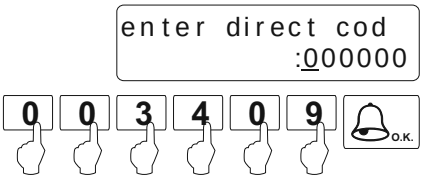


Allows to enter a new entry in the last repertory position. To choose a specific position, use the `repertory:insert` menu.

Press (🔔) to proceed: the display will show the message `enter address`; key in the monitor code and confirm by pressing (🔔).

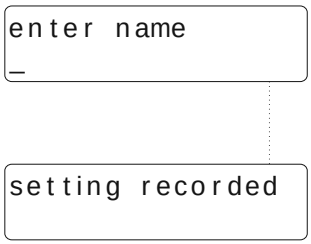
If the panel has been configurated as general entrance door panel, a six digits code must be entered: the three first digits will match the internal building code and the three last digits will match the monitor code.

If the panel has not been configurated as general entrance door panel, a three digits code will be required, that will match the monitor code.



IMPORTANT: if "Direct Call Code" function has been enabled (page 121), the display will show the message `enter direct cod`; enter the six digits code that will be used to call to this apartment.

Press (🔔) to validate it.



To assign a text to this entry press (🔔) and proceed as described on page 129.

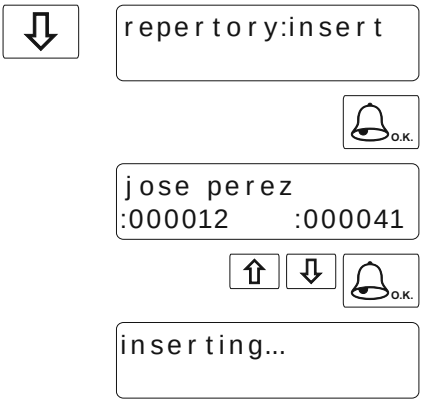
Once the new entry has been recorded the display will show the message `settings recorded`, and will return to the initial screen. Repeat this procedure to add as much entries as it is needed.

NOTE: to make a call it will not be necessary to enter the zero placed on the left side of the call code. For instance, if the call code is 000100, it will be enough to enter 100 to make the call.

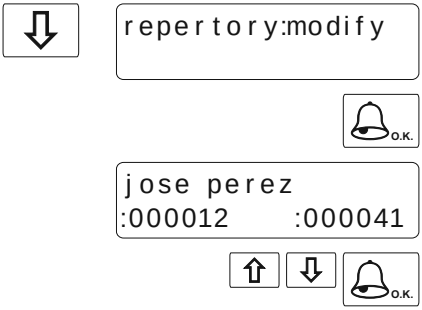
Continue

Coming from previous page

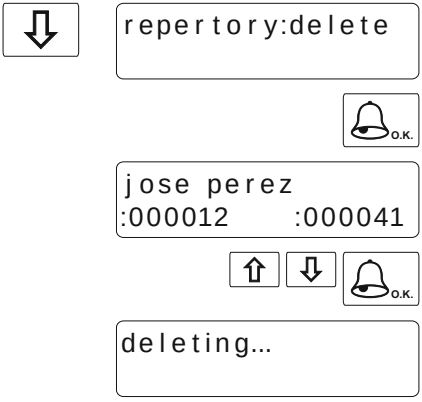
Repertory menu.



Allows to insert a new entry in a specific repertory position. This function allows to keep the repertory sorted.
Press (🔔): the display will show the first repertory position: in case of no existing entries the display will show the message repertory empty. Use the arrow keys to find the desired position and press (🔔): the new entry will be inserted before theselected position.
Proceed as described on repertory:new menu.
Once the inserted entry has been recorded the display will show the message inserting... while sorts the repertoy and will return to the initial screen. Repeat this procedure to insert as much entries as it is needed.



Allows to modify the details of an exisiting entry.
Press (🔔): the display will show the first repertory position: in case of no existing entries the display will show the message repertory empty. Use the arrow keys to find the entry to be modified and press (🔔).
Proceed as described on repertory:new.
Once the new entry has been modified the display will show the message settings recorded, and will return to the initial screen. Repeat this procedure to modify as much entries as it is needed.

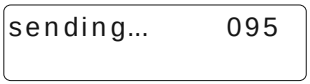


Allows to delete an exisiting entry.
Press (🔔): the display will show the first repertory position: in case of no existing entries the display will show the message repertory empty. Use the arrow keys to find the entry to be deleted and press (🔔).
The display will show the message deleting...
Once the entry has been deleted, the display will show the next entry. Repeat this procedure to delete as much entries as it is needed.

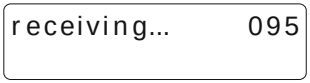
Continue

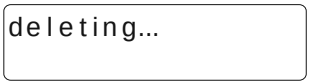
Coming from previous page

Repertory menu.



It is possible to transfer the repertory content to other panel or porter's exchange in the same installation. Before to start with the transmission, the receiving equipment must be ready for reception (see next menu).
Press (🔔) to start the transmission. The display will show the message sending... and the transmitted position number.
Once the transmission has been finished, both equipments will exit from their programming menues.





Allows to receive the repertory content from other panel or porter's exchange in the same installation.
Press (🔔) to start with the reception and place the transmitter in transmission mode (see previous menu). The display will show the message receiving... and the received position number.
Once the reception has been finished, the receiving equipment will delete the rest of its repertory and the message deleting... will be shown on the display.
Finally, both equipments will exit from their programming menues.

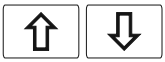
IMPORTANT: the repertory content can be only transmitted between two equipments: NEVER place more than one system in both transmission or reception modes. It's possible that, during transmission, other of the installed equipments random operates (call receptions, lock release activations, ...): that's normal.

End of the repertory. Use "UP" arrow key to move to the previous options.
Press (C) to exit from the repertory menu and return to the main menu.
If (C) is pressed twice the panel will exit from the programming menu.

Text edit.

To introduce or edit text during programming, use the keypad as described. The maximum number of characters in one text line is 16.

Use the numeric keys to introduce text: press several times the corresponding key till the desired character appears on the display, according with the enclosed characters table.

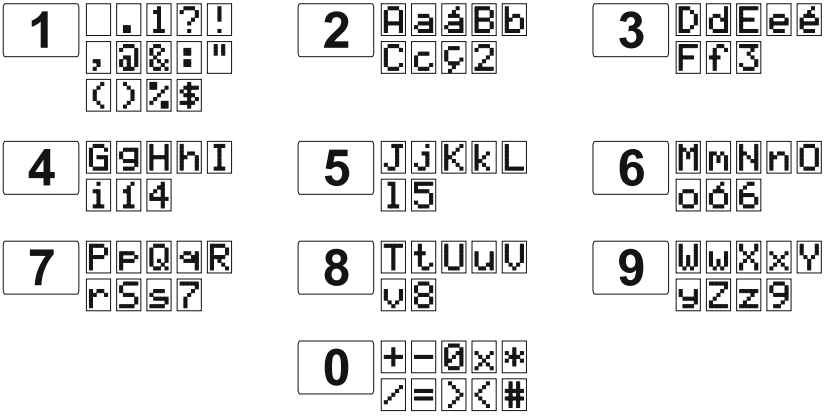


Use the arrow keys to move through the display.

Use the key symbol to delete the actual character. The rest of the text will be moved one position backward.

Press Ⓐ to record the whole text. The display will show the message `settings recorded`.

Press Ⓒ key to exit from edition. The former text will be restored and the display will show the message `cancelled`.



Fast repertory search.

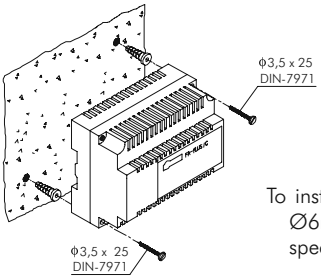
For fast searching press one of the arrow keys followed by the number of entries to be skipped. For a faster search use arrow keys followed by number 0 (10 in 10 entries) or key symbol (100 in 100 entries).

The search is realized of 5 in 5 entries. From that moment, each time an arrow key is pressed the repertory advances 5 in 5 entries.

POWER SUPPLY INSTALLATION

Installing the FA-PLUS and FA-PLUS/C power supplies.

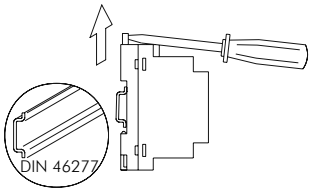
Install the power supply in a dry and protected place without risk of drip or water projections.
To avoid an electrical shock, neither remove the primary protection cover nor handle the connected wire in the terminals.
The installation and handling of these equipments must be performed by authorised personnel and without the power connected.
To avoid damage, the power supply has to be firmly fixed.



It's recommended to protect the power supply by using a thermo-magnetic circuit breaker. Use a ground connection with FA-Plus power supply.

To install the power supply directly on the wall, drill two holes of Ø6mm. and insert the wallplugs. Fix the transformer with the specified screws.

The power supply can be installed on a DIN 46277 guide simply pressing it.
To disassemble the power supply from the DIN guide, use a plain screwdriver to lever the flange as shown on the picture.
The FA-Plus/C model uses 6 units over DIN guide and 10 units the FA-Plus model.

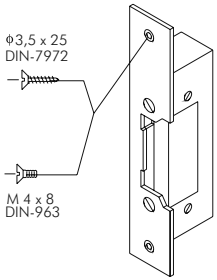


IMPORTANT: the maximum number of units that can be connected to a FA-Plus/C power supply is 10, and 50 units in case of a FA-Plus model. Link power supplies to connect more units than the specified as it's shown on page 155.

Replace the protection cover once the input terminals have been wired.

LOCK RELEASE INSTALLATION

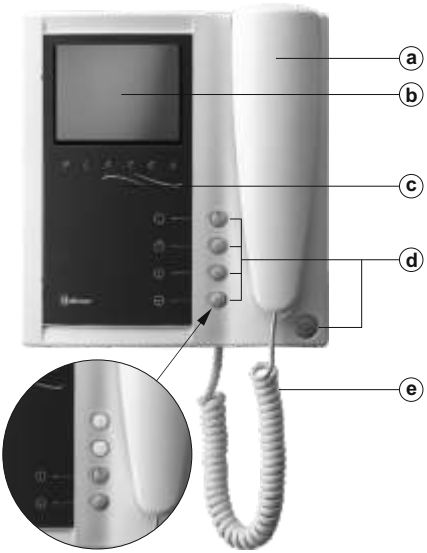
Lock release installation.



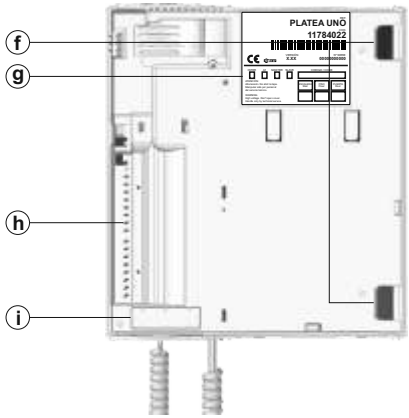
If the lock release will be installed in a metal door, use a Ø3,5mm. drill and tap the hole. In case of wood door, use a Ø3mm. drill.

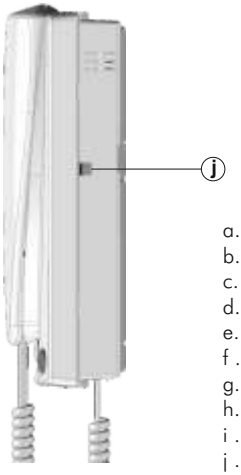
IMPORTANT: the lock release to be used must be of 12Vd.c.
If you are using a.c. lock releases, use a SAR-12/24 relay unit and a TF-104 transformer to activate it, as it is shown on page 155.

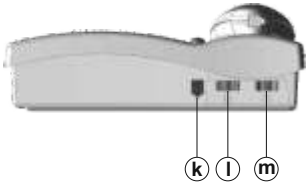
Description of the Platea/Tekna Plus and Uno monitors.



Platea/Tekna Uno
push buttons







a. Handset.
b. B/W or color screen (depending on the model).
c. Front film (only Platea Plus).
d. Function push buttons (depending on the model).
e. Cord.
f . Attachment holes.
g. Identification label.
h. Connecting points.
i . CN4 connector (CN2 in Platea/Tekna Uno).
j . Three positions call reception volume control (only Platea/Tekna Plus).
k. Cable slot.
l . Contrast control (color control in case of color screen).
m. Brightness control.

Function push buttons.

In Platea/Tekna Plus: On-Off push button. After any monitor reset and during the next 45 seconds, all the monitor functions will be disabled, with the exception of call reception.
In Platea/Tekna Uno: On-Off light indicator.

If the handset is on the craddle allows the activation of an optional second camera (*).If not, allows to make an intercom call or to activate the second camera (*).
(Only Platea/Tekna Plus).

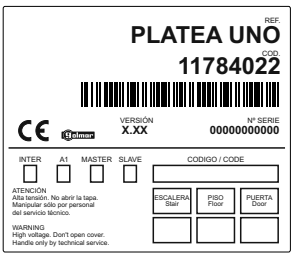
If the handset is on the craddle allows the activation of an optional device. If not, allows to call to a slave porter's exchange (*) or to activate the optional device (*).
(Only Platea/Tekna Plus).

If the handset is on the craddle allows to see the picture from the master door panel. If not, allows to establish audio and video communication with the door panel that has been configurated with the autoswitch-on function. This function is disabled if a communication is already established.

If the handset is on the craddle:
Platea/Tekna Plus: sends a panic call to the porter's exchanges that have enabled the reception of this type of call.
Platea/Tekna Uno: keep pressing this button for 1 second to turn the monitor On/Off. 45 seconds after turning On the monitor only calls will be received.
If not: in both models allows to call to the master porter's exchange. During call reception and communication progresses activates the lock release.

(*) Second camera activation and call to a slave porter's exchange functions require an internal modification of the Platea/Tekna Plus monitor. If any of these functions are required, contact with your nearest authorized distributor.
Second camera activation disables the intercomm function and call function to a slave porter's exchange disables optional device function.

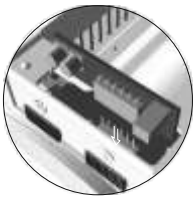
Description of the identification label.



For an easiest repair, replacement or increasement of the existing monitors, fill the indentifying label information.

MASTER: master monitor.
SLAVE: slave monitor.
INTER: slave monitor with intercom function.
A1: monitor connected to an auxiliary device.
CODE: monitor call code (see page 136).
STAIR: building code (see page 120).

EL562 module for video installations with twisted pair cable.



In Platea/Tekna Plus: Locate the CN4 connector, that's placed in the monitor base. Remove the existing jumper and plug the EL562 module.

In Platea/Tekna Uno: Locate the CN2 connector, that's placed in the monitor base. Remove the existing jumper on the connector and the JP1 jumper on the right, then plug the EL562.

NOTE: On this type of installations the EL560 module must be plugged in the CN6 connector of the keypad module (page 117). Refer to the specific installation diagram.

Handling the end of line jumper.

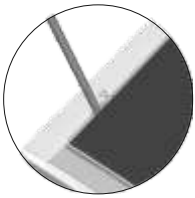
The end of line jumper is placed on the CN4 connector (CN2 in Platea/Tekna Uno), that can be located on the monitor base.
In case of twisted pair cable installations, the end of line jumper is placed in the EL562 module, also located in the CN4 connector (CN2 in Platea/Tekna Uno) of the monitor base.

Do not remove the jumper on monitors where the video cable finish. Remove the jumper on monitors where the video cable continue.

Changing the front film.

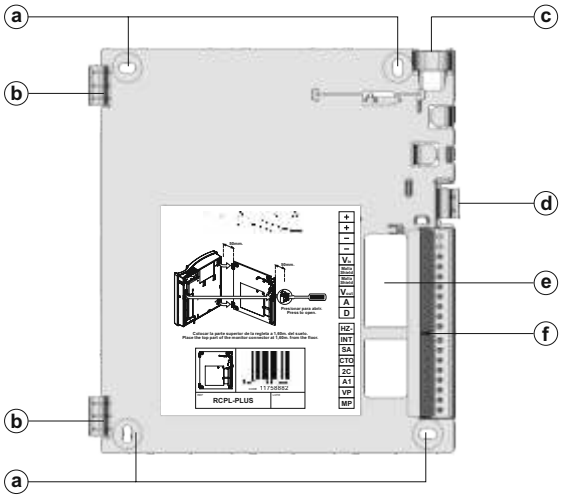
The Platea Plus monitor is supplied with a reversible front film, that allow the owner to choose between two colors.

To change the front film, remove the front plate by inserting a plain screwdriver in the triangle marks, as it is shown on the drawing.



MONITOR CONNECTOR DESCRIPTION

Description of the RCPL-Plus / RCPL-Uno and RCTK-Plus / RCTK monitor connector.



a. Wall attachment hole (x4).
b. Monitor attachment hook (x2).
c. Vertical wiring input.
d. Attachment clip.
e. Wiring input hole.
f. Installation terminals:

For both models:

+, –: positive, ground.
Malla: coaxial shield.
A : audio communication.
D : digital communication.
HZ- : door bell push button input.

Platea/Tekna Plus:

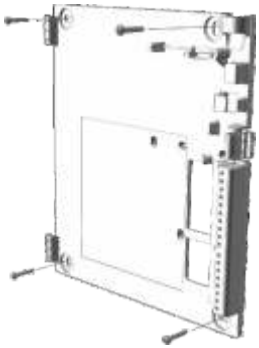
Vin : video signal coaxial input.
Vout : video signal coaxial output.
INT : intercom.
SA : auxiliary calling device output.
CTO : video distributor activation output
2C : 2nd camera activation output.
A1 : optional device activation output.
Vp, Mp : twisted pair video signal.

Platea/Tekna Uno:

Vin / MP: video signal coaxial input.
twisted pair video signal MP input.
Vo / VP : video signal coaxial output.
twisted pair video signal VP input.

Platea/Tekna Plus: terminals +, – and Malla (shield) are duplicated for easiest cascade installation of parallel monitors or telephones. If the first monitor is not placed on the connector, cascade units will not be powered.

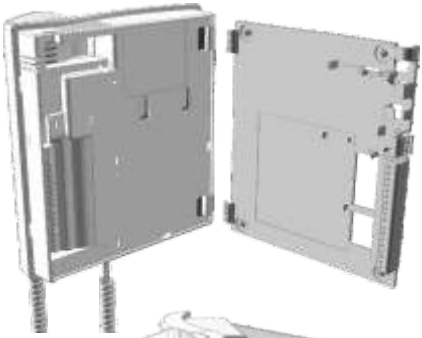
Fix the monitor connector to the wall.

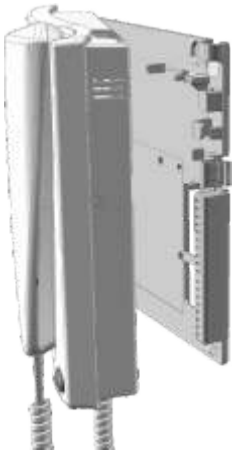


Avoid to place the monitor near to heating sources, in dusty locations or smoky environments.
To install the monitor directly over the wall, drill two holes of Ø6mm. and use the supplied screws.

The upper part of the monitor connector must be placed at 1,60m. height roughly. The minimum distance between the monitor connector and the closest object must be 5cm.

Fix the monitor.

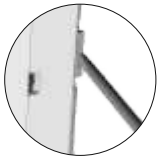




Place the monitor at right angles to the connector and align the attaching holes of the monitor with the attachment hooks of the connector, as it is shown on the drawing.

Lock out the monitor. Press the right side till the attachment clip locks the monitor firmly.

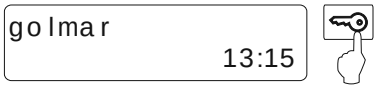
To disassemble the monitor from the connector, use a plain screwdriver to release the attachment clip. Remove the monitor from the connector, with special attention do not falls.



Programming the monitors.

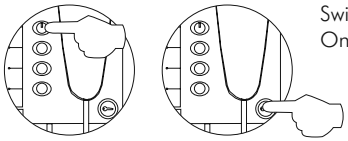
In case of a general entrance door panel, program the monitors only from each internal building door panel, as described on the corresponding instruction manual.

If this door panel is installed on an internal building of a residential complex or on a single building, program the monitors as follows:

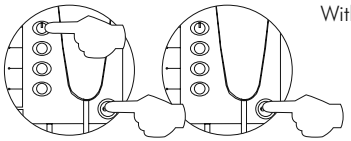


To enter the door panel into program mode, press key symbol and enter the installer PIN code (factory default: 1315), as described on page 119.

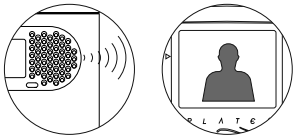
For Platea/Tekna Plus monitors:



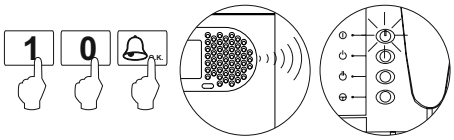
Switch off the monitor to be programmed.
Once the monitor is off, press the door release push button.



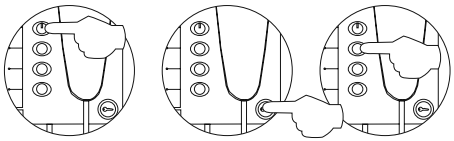
With the door release push button pressed switch on the monitor.



To show that the system is ready for programming, the panel will reproduce a sound and the LCD will display the message p r o g r a m m o d e, appearing the picture on the monitor. At this moment, the door release push button can be released. Lift the handset to stablish audio communication with the door panel.



Enter the code of the monitor to be programmed and press the (🔔) key.
At this moment the panel will reproduce a sound and the monitor led will blink.

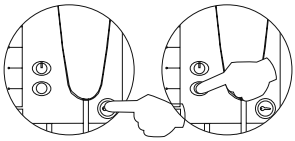


To program the monitor as master, switch it off and on again.
To program it as slave, press the door release push button.
To program it as slave with intercom function press the ⏻ push button.

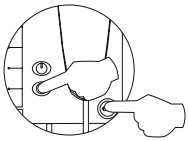
Each apartment must have one master unit only; in case of parallel units configure them as slaves, both monitors or telephones.

Programming the monitors.

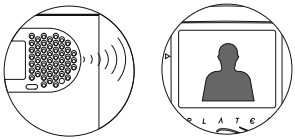
For Platea/Tekna Uno monitors:



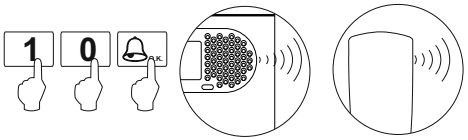
Turn off the monitor to be set, by pressing the door opener button during 1 second.
Once it has been turned off, press the autoswitch-on button.



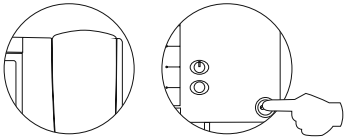
Keep the autoswitch-on button pressed and without releasing it, press the door opener button.



The door panel will produce tones to indicate that the device is ready to be set up. The monitor will show the image and the LCD will display the message p r o g r am mo d e, At this moment, it will be possible to release the other buttons. Lift the handset from the monitor.



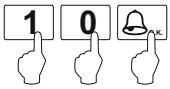
Enter the code of the monitor to be programmed and press the (🔔) key.
At this moment the panel will reproduce a sound and the monitor led will blink.



To set up the monitor as the master one, put down the handset.
To set up the monitor as a slave one, press the door opener button and then put down the handset.

Each apartment must have one master unit only; in case of parallel units configure them as slaves, both monitors or telephones.

For both monitors:



Make a call to make sure that the monitor has been properly programmed.
Repeat these steps to program the rest of monitors.
Once the programming has been finished exit from the programming menu by pressing (C) key. If you don't, the door panel will automatically exit after 90 seconds with no operation.

T-740 PLUS TELEPHONE DESCRIPTION

Description of the T-740 Plus telephone.

a. Telephone handset.
b. Speaker grille.
c. Microphone hole.
d. Subjection hole.
e. Telephone cord connectors.
f. Door release push button.
g. Hook switch.
h. Auxiliary function push button.
i. Volume control.

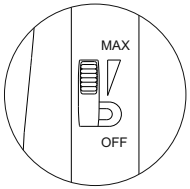
Terminal connector description.

+	–	A	D	AI	–	HZ	SA	+	Int	PA

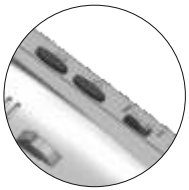
+, - : Positive, ground.
A , D : Audio, digital communication.
AI : Connection to external door release push button.
HZ : Door bell push button input.
SA : Auxiliary calling device output SAV-90.
INT : Intercom.
PA : Output for aux. relay activation (18Vdc/0,5A max.)

Call volume control.

The telephone allows to regulate the call volume with a maximum, medium and off value. With the help of the switch of three positions placed in the right front of the telephone.



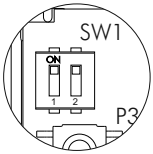
Function push buttons.



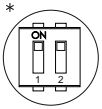
If the handset is on the craddle sends a panic call to the porter's exchanges that have enabled the reception of this type of call. If not, allows to call to the master porter's exchange. During call reception and communication progresses allows the lock release activation.

Auxiliary function push button, depending on setting in the SW1 dip switch will realize one of the following functions: Autoswitch-on, "PA" output, call to a slave porter's exchange and intercommunication.

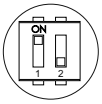
Description of configuration dip switch.



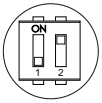
The SW1 configuration dip switch is located in the top part left of the circuit,it is accessed by opening the telephone and allow the next operation modes for the auxiliary function push button:



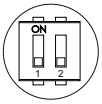
* "Autoswitch-on" mode: switches 1 and 2 to ON.
With the handset off the cradle, allows to stablish audio communication with the door panel that has been configured with the autoswitch-on function. This function is disabled if a communication is already established.



"PA" output mode: switches 1to ON and 2 to OFF:
Regardless of the handset's position, it activates the "PA" telephone output.



"Call to a slave porter's exchange" mode: switches 1 to OFF and 2 to ON.
With the handset off the cradle, allows to call to a porter's exchange that it is configurated as slave.

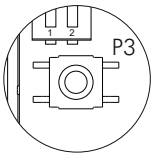


"Intercommunication" mode: switches 1 and 2 to OFF.
With the handset off the cradle, allows to make an intercom call between two units of the same apartment.

IMPORTANTE: Select the auxiliary function push button mode before programming the telephone.

* **Factory default**

Description of programming push button.



The P3 programm push button is located in the top part left of the circuit,it is accessed by opening the telephone. Allows to telephone enter in programming mode with the door panel, (see programming process on page 143).

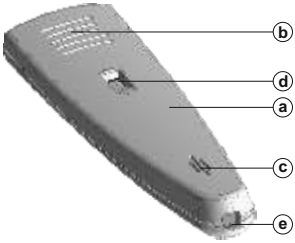
Fix the telephone to the wall.

It is necessary to open the telephone for wiring and fixing purposes. To open the telephone, insert a plain screwdriver into the slots and gently lever as shown in the drawing.

Avoid placing the telephone near sources of heat, in dusty locations or smoky environments. The telephone can be fixed using an electrical embedding box or directly on the wall, as shown on the picture. If the telephone will be installed directly over the wall, drill two holes of Ø6mm on the specified positions, using 6mm wall plugs and Ø3.5 x 25mm screws.

Pass the installation wires through the corresponding hole and connect them as shown on the installation diagrams. Close the telephone as shown on the picture. Once the telephone is closed, connect the handset using the telephone cord and put it on the cradle.

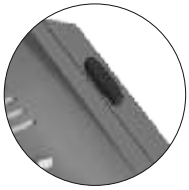
T-740 UNO TELEPHONE DESCRIPTION



Description of the T-740 Uno telephones.

a. Telephone handset.
b. Speaker grille.
c. Microphone hole.
d. Subjection hole.
e. Telephone cord connectors.
f. Function push buttons.
g. Hook switch.

Function push button.



If the handset is off the hook, allows to call to the master porter's exchange.
During call reception and communication progresses allows the lock release activation.

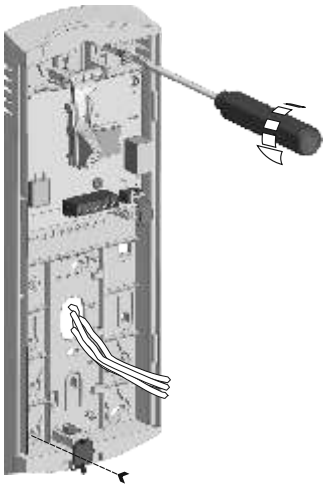
Terminal connector description.

+	–	A	D	HZ-

+ , – : positive, ground.
A : audio communication.
D : digital communication.
HZ- : door bell push button input.

Fix the telephone.

It will be necessary to open the telephone for wiring and fixing purposes. To open the telephone insert a plain screwdriver into the slots and rotate it as shown.



Avoid to place the telephone near to heating sources, in dusty locations or smoky environments.

The telephone can be fixed using an electrical embedding box or directly on the wall, as shown on the picture. If the telephone will be installed directly over the wall, drill two holes of Ø6mm. on the specified positions, using 6mm. wallplugs and Ø3,5 x 25mm. screws.

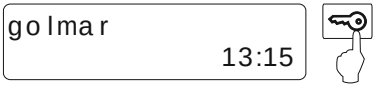
Pass the installation wires through the corresponding hole and connect them as shown on the installation diagrams.

Close the telephone as shown on the picture. Once the telephone is closed, connect the handset using the telephone cord and put it on the craddle.

Programming the telephones.

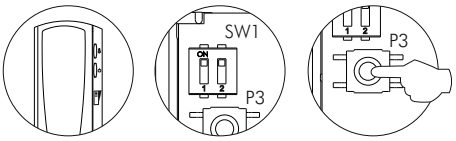
In case of a general entrance door panel, program the telephones only from each internal building door panel, as described on the corresponding instruction manual.

If this door panel is installed on an internal building of a residential complex or on a single building, program the telephones as follows:

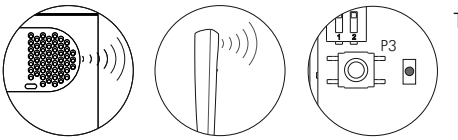


To enter the door panel into program mode, press key symbol and enter the installer PIN code (factory default: 1315), as described on page 119.

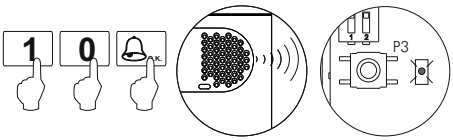
Only for T-740 Plus telephones:



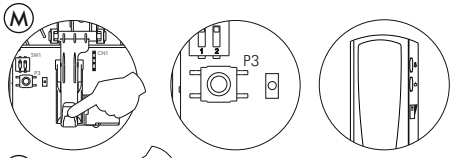
Open the telephone to programming (see page 140). Select in the SW1 dip switch the fuction mode for the auxiliary function push button (see page 139) and later press the P3 programming push-button.



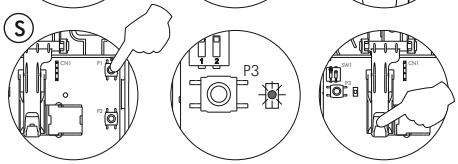
To show that the system is ready for programming, the panel and telephone handset will reproduce a sound (the telephone led will light and the LCD will display the message p r o g r a m mode). Audio communication can be established.



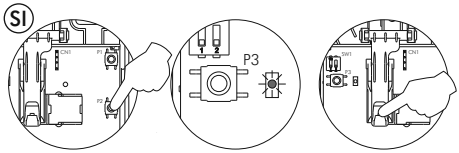
Enter the code that will be used to call to this telephone and press the 🔔 key. At this moment the panel and telephone handset will reproduce a sound (the telephone led will slow blink).



To programm the telephone as ***Master***, press the hook switch (the telephone led will off).
Close the telephone.



To programm the telephone as ***Slave***, press the P1 door release push button (the telephone led will quick blink) and later press the hook switch (the led will off).
Close the telephone.

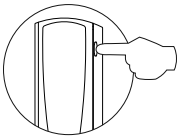


To programm the telephone as ***Slave + Intercom.***, press the P2 auxiliary function push button (the led will quick blink) and later press the hook switch (the led will off).
Close the telephone.

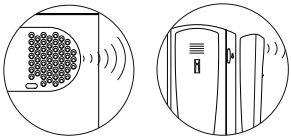
Each apartment must have one master unit only; in case of parallel units configure them as slaves, both monitors or telephones.

Programming the telephones.

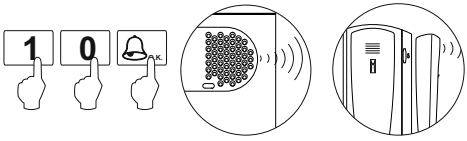
Only for T-740 Uno telephones:



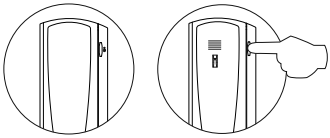
Press the door release push button and with this button pressed, pick up the handset.



To show that the system is ready for programming, the panel and telephone handset will reproduce a sound (LCD will display the message p r o g r am mo d e). At this moment, the door release push button can be released.
Audio communication can be established.



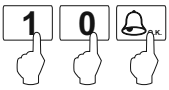
Enter the code that will be used to call to this telephone and press the 🔔 key.
At this moment the panel and the telephone handset will reproduce a sound.



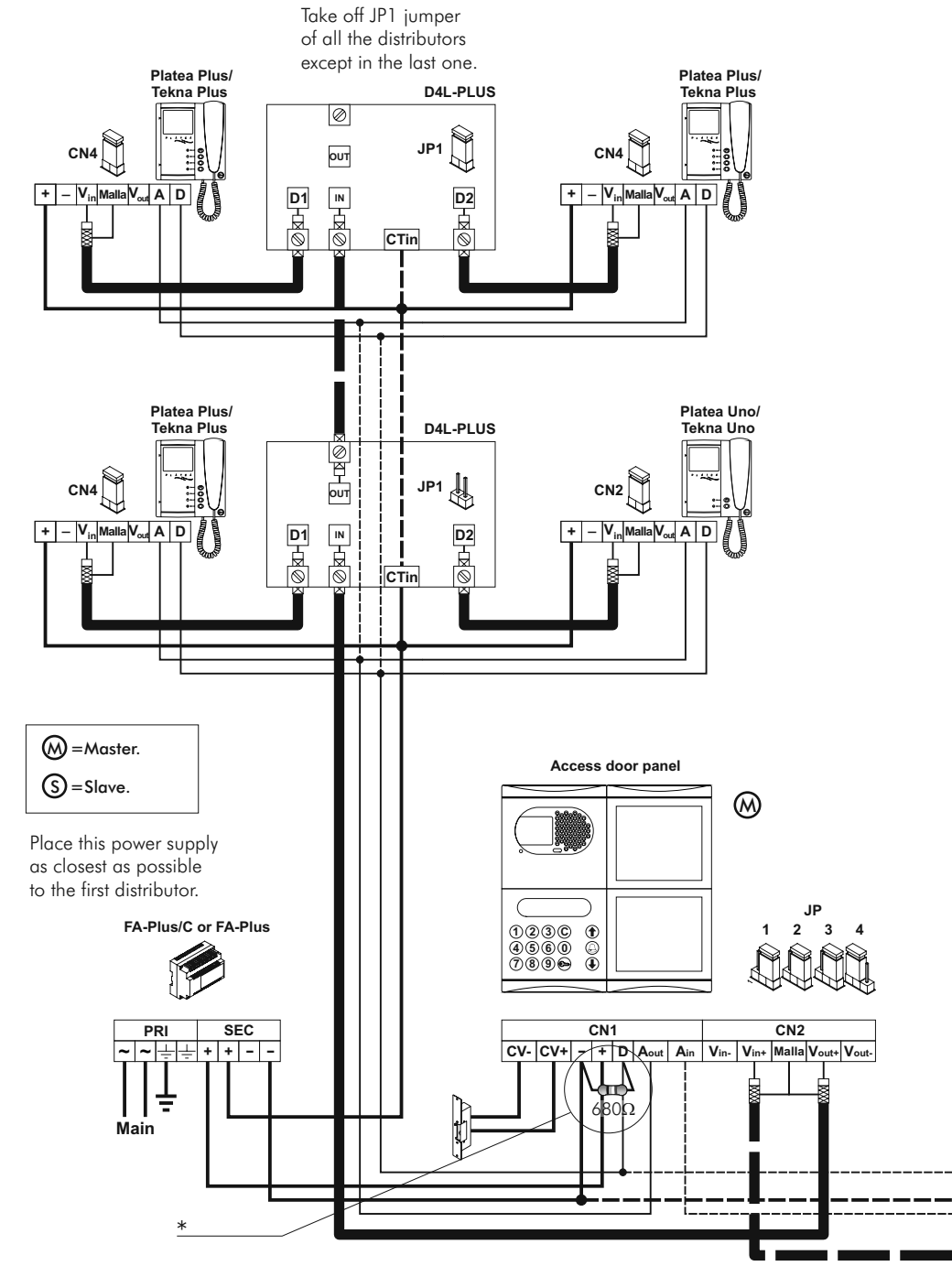
To program the telephone as master, put down the handset.
To program it as slave, press the door release push button and then put down the handset.

Each apartment must have one master unit only; in case of parallel units configure them as slaves, both monitors or telephones.

For all the telephones:



Make a call to make sure that the telephone has been properly programmed. Repeat these steps to program the rest of telephones. Once the programming has been finished exit from the programming menu by pressing Ⓒ key. If you don't, the door panel will automatically exit after 90 seconds with no operation.


Take off JP1 jumper
of all the distributors
except in the last one.
Platea Plus/
Tekna Plus
D4L-PLUS
Platea Plus/
Tekna Plus
CN4
JP1
CN4
+ – Vin Malla Vout A D
D1
IN
D2
OUT
CTin
+ – Vin Malla Vout A D
Platea Plus/
Tekna Plus
D4L-PLUS
Platea Uno/
Tekna Uno
CN4
JP1
CN2
+ – Vin Malla Vout A D
D1
IN
D2
OUT
CTin
+ – Vin Malla Vout A D
Ⓜ =Master.
Ⓢ =Slave.
Place this power supply
as closest as possible
to the first distributor.
Access door panel
Ⓜ
JP
1 2 3 4
FA-Plus/C or FA-Plus
PRI
SEC
~ ~ + + – –
Main
CN1
CV- CV+ – + D Aout Ain
CN2
Vin- Vin+ Malla Vout+ Vout-
680Ω
*

ONE OR SEVERAL ACCESSES DOORS

Video installation with coaxial cable and Plus/Uno monitors.

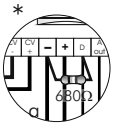
The installation diagram shows the connection of a video system with one or several door panels for the same building.

If the system has one door panel only, override the wiring to the second door panel.

If the system has more than one door panel, wire the second panel as shown on the diagram. In case of more than two door panels, wire them as the second is connected.

SECTIONS CHART	Distance	
Terminal	50m.	150m.
+, –, CV+, CV–	1,00mm²	2,50mm²
A_{in}, A_{out}, A, D	0,25mm²	0,25mm²
V_{in+}, V_{out+}, V_{in}, V_{out}	(1)RG-59	(1)RG-59

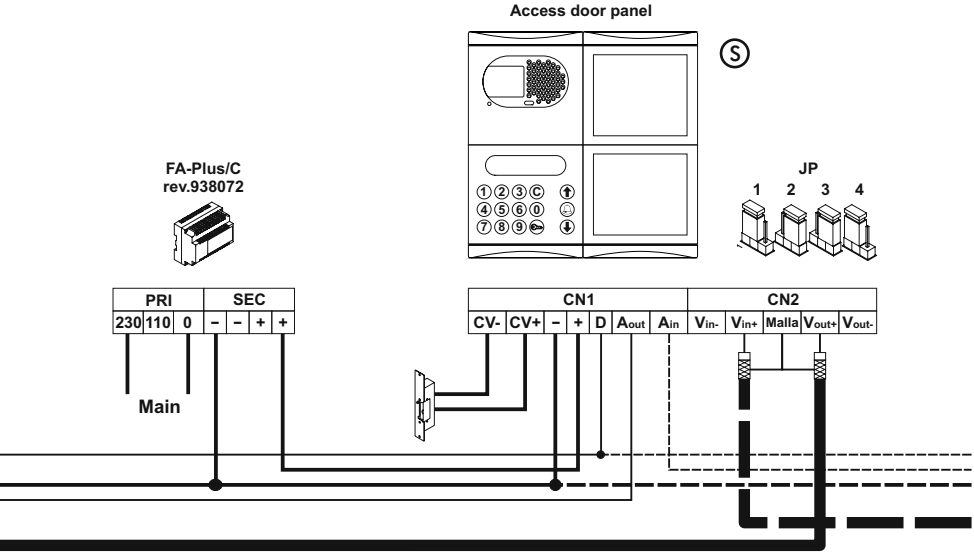
For longer distances than the specified, contact with your distributor.

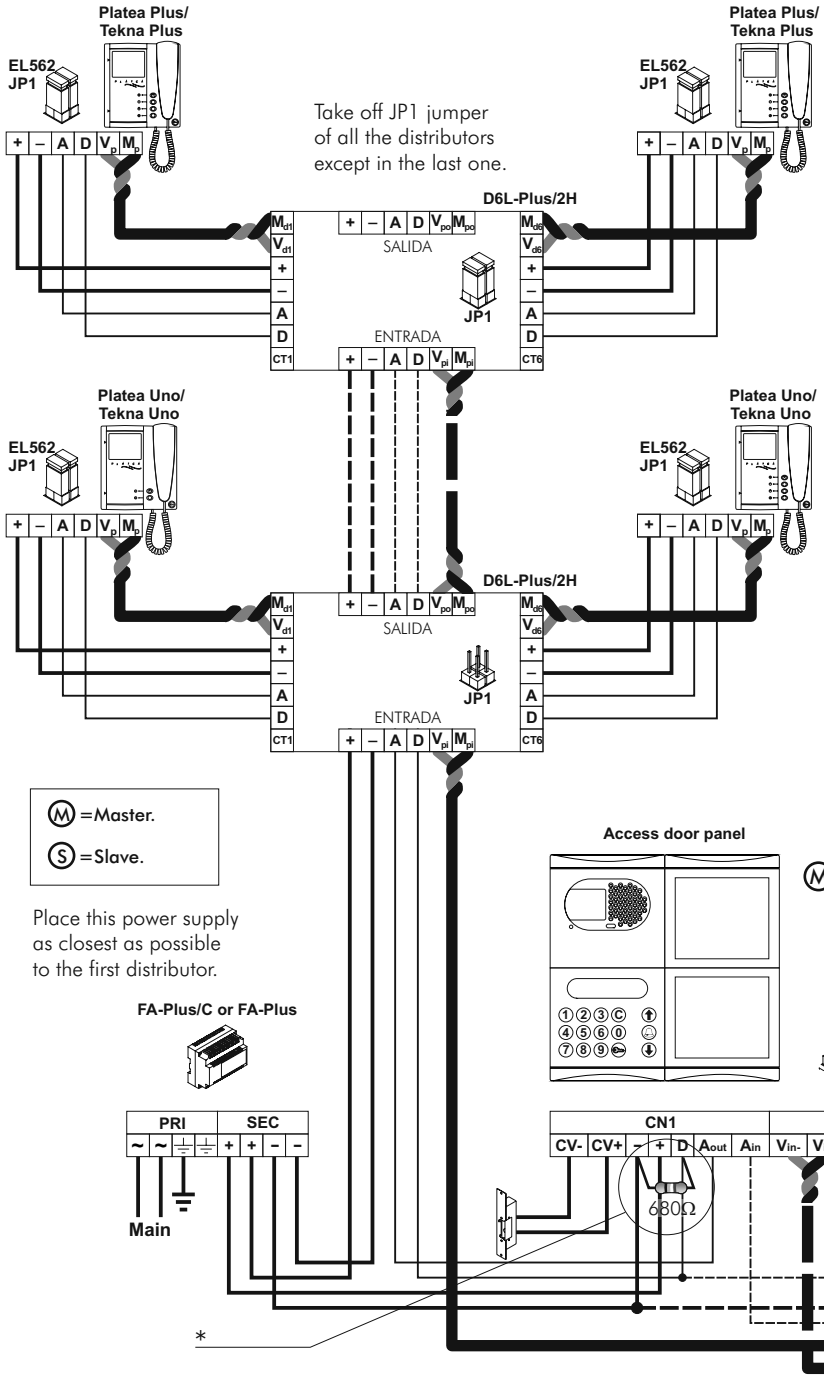


Remember: if the installation has Uno telephones or monitors **a resistor must be installed between 'D' and '–' terminals of the door panel**. In case of several door panels place the resistor **only** on the one closest to the backbone. When using digital repeater **RD-Plus/Uno SE**, this operation is not necessary.

If the distance between the door panel and the last monitor or telephone exceeds 200 meters, or if the building has more than 200 monitors or telephones, a digital repeater **RD-Plus/Uno SE** will be necessary, (see page 160).

(1) Coaxial cable characteristics RG-59 B/U MIL C-17, (see page 110).




Platea Plus/
Tekna Plus
EL562
JP1
+ – A D Vp Mp
Take off JP1 jumper
of all the distributors
except in the last one.
D6L-Plus/2H
Md1 Vd1 + – A D CT1
+ – A D Vpo Mpo
SALIDA
JP1
ENTRADA
+ – A D Vpi Mpi
Md6 Vd6 + – A D CT6
Platea Uno/
Tekna Uno
Ⓜ =Master.
Ⓢ =Slave.
Place this power supply
as closest as possible
to the first distributor.
Access door panel
JP
1 2 3 4
FA-Plus/C or FA-Plus
PRI
SEC
~ ~ + + – –
Main
CN1
CV- CV+ ~ + D Aout Ain
CN2
Vin- Vin+ Malla Vout+ Vout-
680Ω
*

ONE OR SEVERAL ACCESSES DOORS

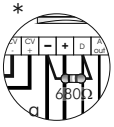
Video installation without coaxial cable and Plus/Uno monitors.

The installation diagram shows the connection of a video system with one or several door panels for the same building.
If the system has one door panel only, override the wiring to the second door panel.
If the system has more than one door panel, wire the second panel as shown on the diagram. In case of more than two door panels, wire them as the second is connected.

IMPORTANT: For this type of installation, the door panels must have plugged an EL560 module in each and the monitors must have an EL562 plugged in each.

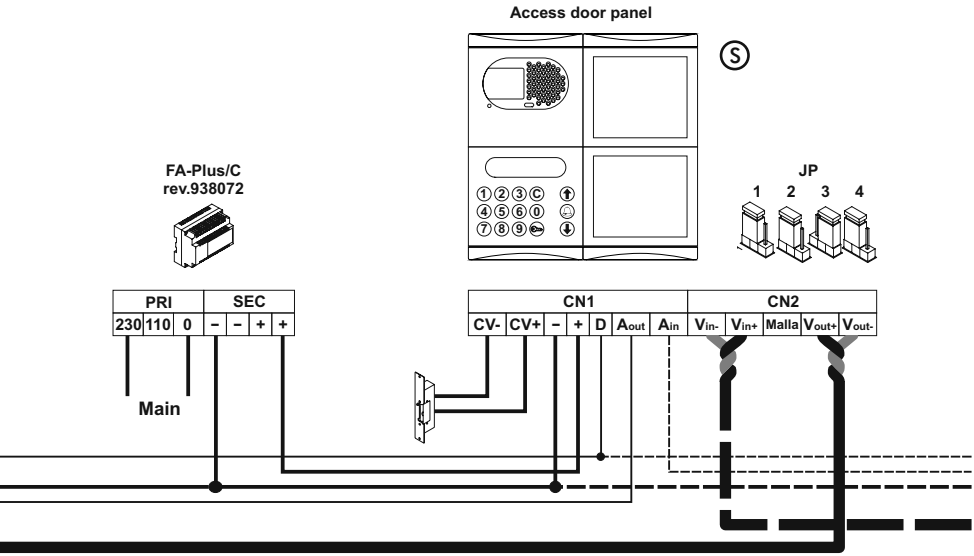
SECTIONS CHART	Distance	
Terminal	50m.	150m.
+, –, CV+, CV–	1,00mm²	2,50mm²
A_{in}, A_{out}, A, D	0,25mm²	0,25mm²
$V_{in+,-}$, $V_{out+,-}$, $V_{p,d}$, $M_{p,d}$	CAT-5	CAT-5

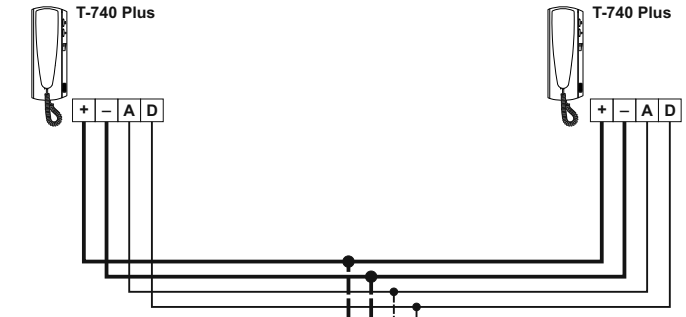
For longer distances than the specified contact with your distributor.

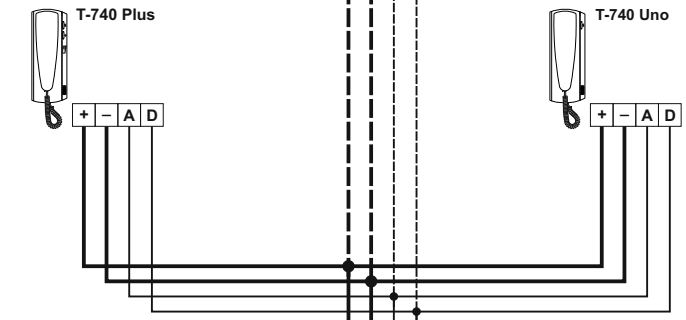


Remember: if the installation has Uno telephones or monitors **a resistor must be installed between 'D' and '–' terminals of the door panel**. In case of several door panels place the resistor **only** on the one closest to the backbone. When using digital repeater **RD-Plus/Uno SE**, this operation is not necessary.

If the distance between the door panel and the last monitor or telephone exceeds 200 meters, or if the building has more than 200 monitors or telephones, a digital repeater **RD-Plus/Uno SE** will be necessary, (see page 160).





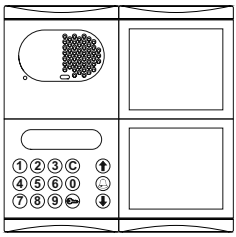


Ⓜ =Master.

Ⓢ =Slave.

Place this power supply as closest as possible to the first telephone.

Access door panel

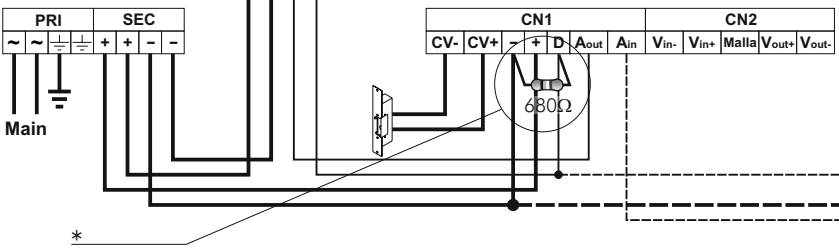


Ⓜ

JP

1 2 3 4

FA-Plus/C or FA-Plus

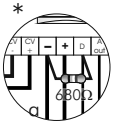


Audio installation with Plus/Uno telephones.

The installation diagram shows the connection of an audio system with one or several door panels for the same building.
If the system has one door panel only, override the wiring to the second door panel.
If the system has more than one door panel, wire the second panel as shown on the diagram. In case of more than two door panels, wire them as the second is connected.

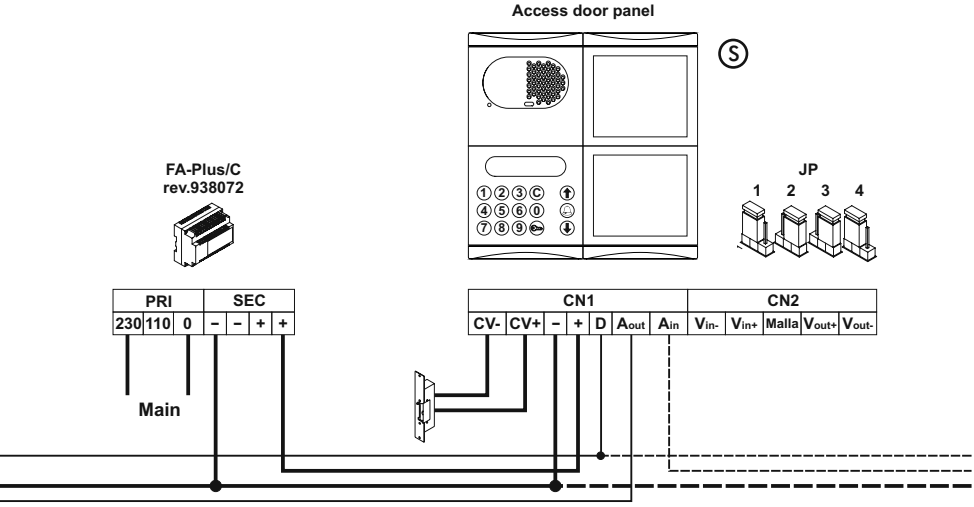
SECTIONS CHART	Distance	
Terminal	50m.	150m.
+, –, CV+, CV–	1,00mm²	2,50mm²
A_{in}, A_{out}, A, D	0,25mm²	0,25mm²

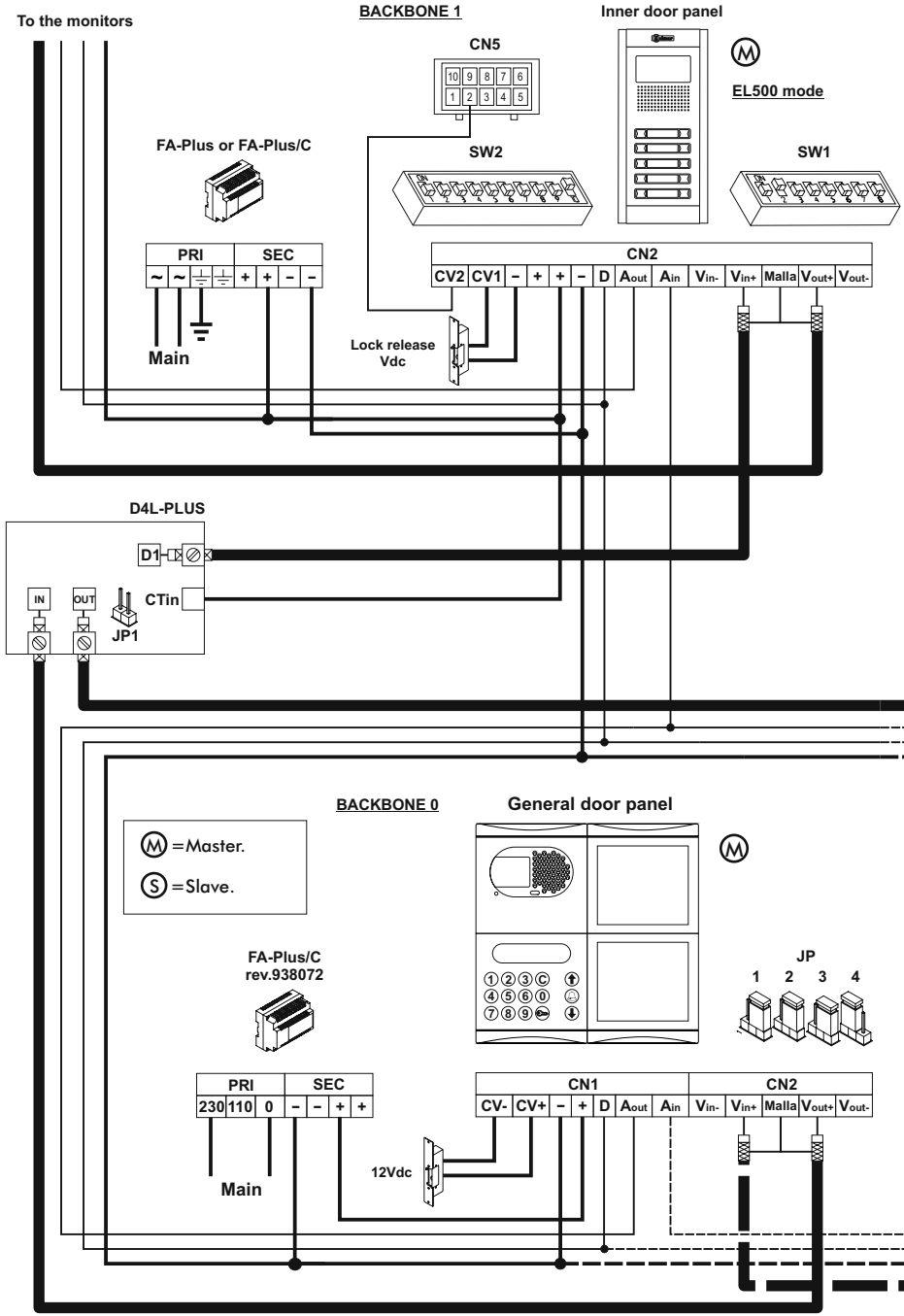
For longer distances than the specified contact with your distributor.



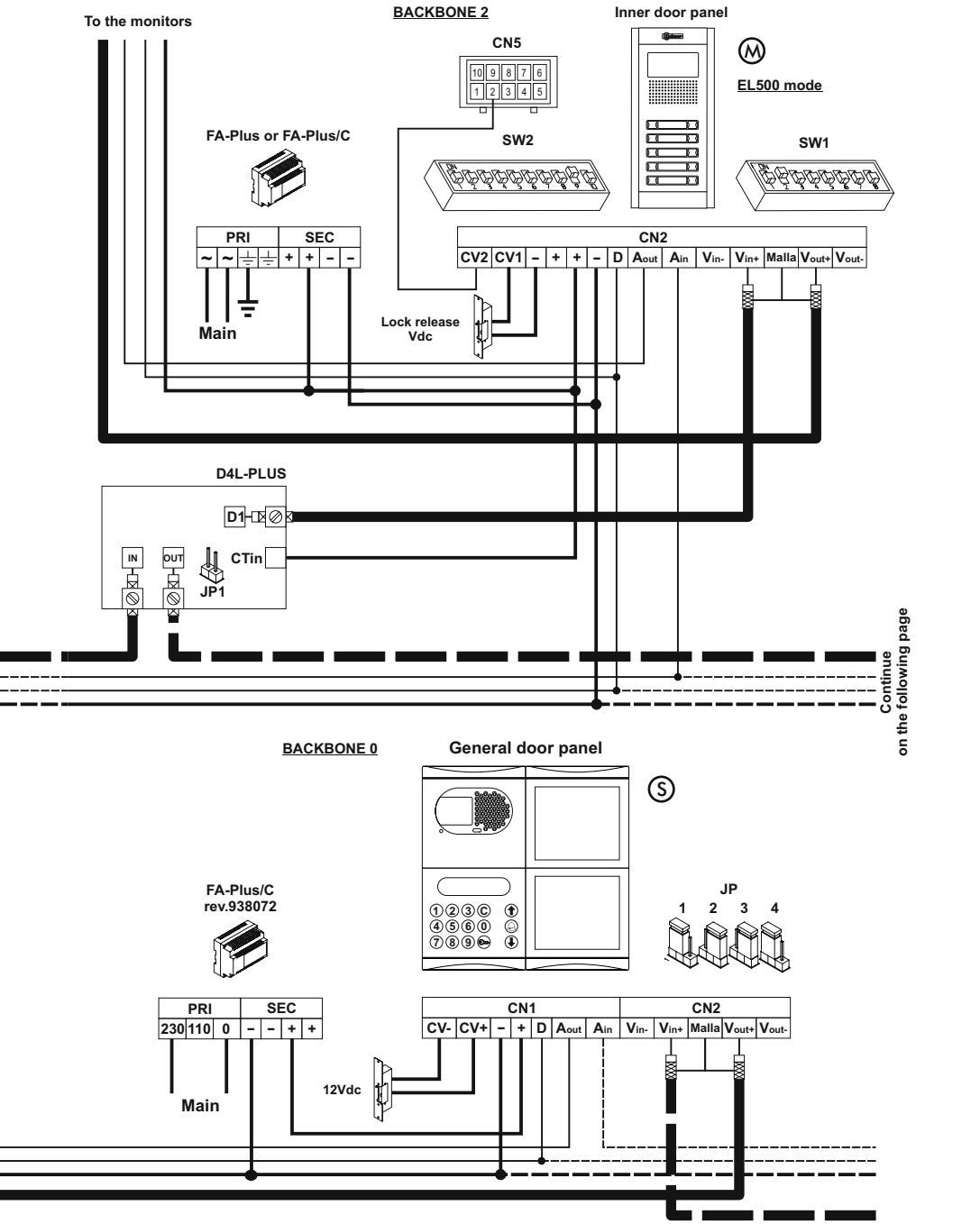
Remember: if the installation has Uno telephones or monitors **a resistor must be installed between 'D' and '–' terminals of the door panel**. In case of several door panels place the resistor **only** on the one closest to the backbone. When using digital repeater **RD-Plus/Uno SE**, this operation is not necessary.

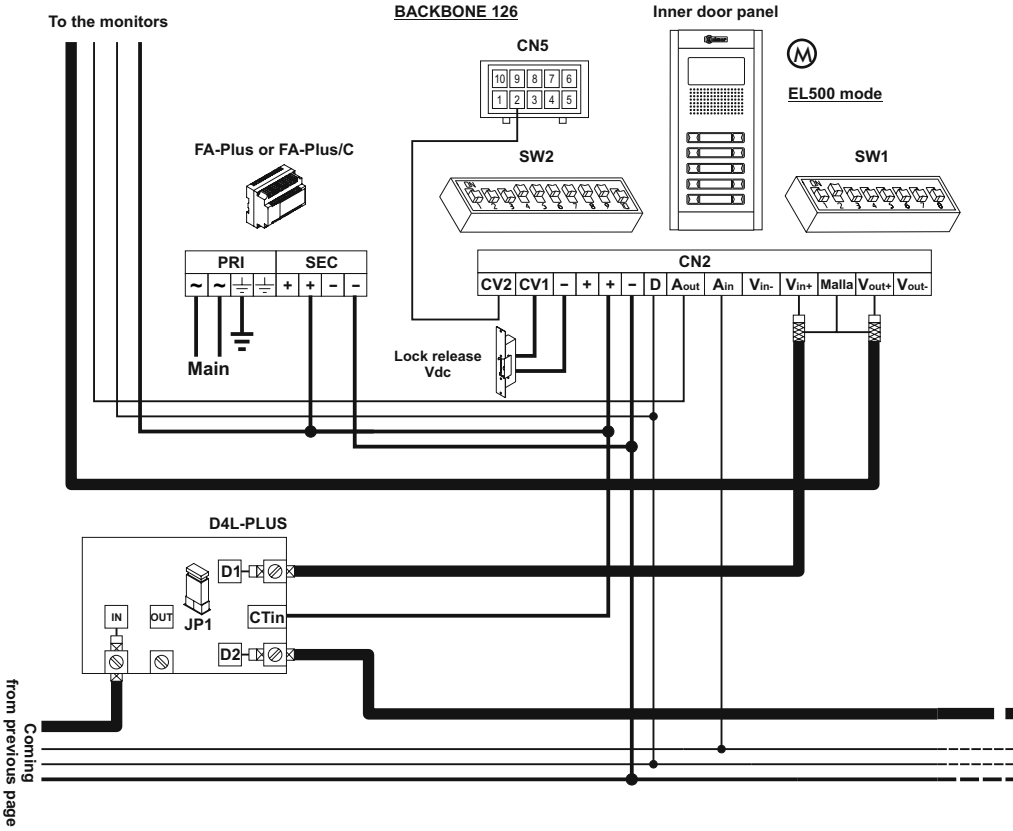
If the distance between the door panel and the last monitor or telephone exceeds 200 meters, or if the building has more than 200 monitors or telephones, a digital repeater **RD-Plus/Uno SE** will be necessary, (see page 160).




To the monitors
BACKBONE 1
Inner door panel
CN5
10 9 8 7 6
1 2 3 4 5
EL500 mode
FA-Plus or FA-Plus/C
SW2
SW1
PRI
SEC
~ ~ ⏚ ⏚ + + – –
CN2
CV2 CV1 – + + – D Aout Ain Vin- Vin+ Malla Vout+ Vout-
Main
Lock release
Vdc
D4L-PLUS
D1
IN
OUT
CTin
JP1
BACKBONE 0
General door panel
Ⓜ =Master.
Ⓢ =Slave.
FA-Plus/C
rev.938072
JP
1 2 3 4
PRI
SEC
230 110 0 – – + +
CN1
CV- CV+ – + D Aout Ain
CN2
Vin- Vin+ Malla Vout+ Vout-
12Vdc
Main

GENERAL DOOR PANEL





Video installation with general entrance door panel for residential complexes.

IMPORTANT NOTES:

To wire and configure the system properly, use this instruction manual and the ones enclosed in the internal building door panels.

The installation diagram shows the connection of a video system with two general entrance door panels and up to 127 internal building door panels (backbone/building).

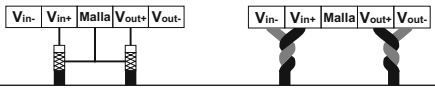
In case of more than two general entrance door panels, wire them as the second is connected.

In video systems, use a D4L-Plus distributor at each door panel input except on the last one. Remove the end of line jumper of all the distributors except in the last one.

In case of audio systems only, do not use coaxial cable neither distributors. On the buildings backbones coaxial cable must be replace by a negative wire.

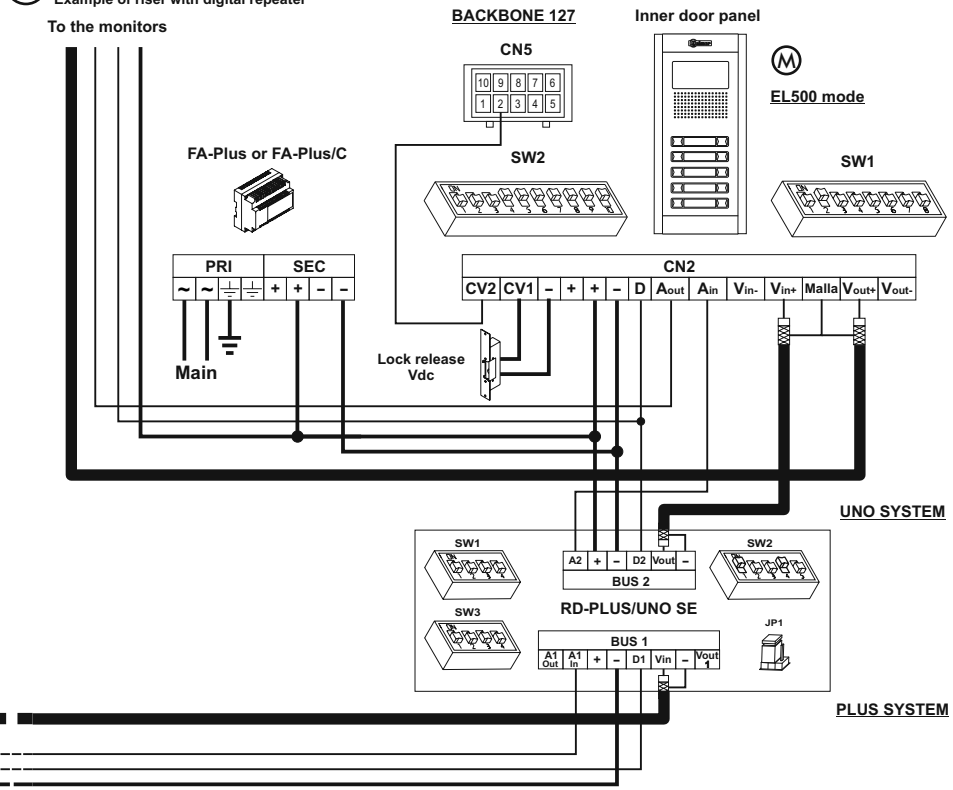
In video systems with twisted pair use the D6L-Plus/2H distributor instead of D4L-Plus distributor. Take off JP1 jumper of all the distributors except in the last one. Add a negative in the inner building installation riser, (see page 147).

Below shows the connection of the twisted pair instead of coaxial cable.



GENERAL DOOR PANEL

Example of riser with digital repeater



Video installation with general entrance door panel for residential complexes.

SECTIONS CHART	Distance	
Terminal	100m.	300m.
+, –, CV+, CV–	1,50mm²	2,50mm²
A_{in}, A_{out}, A, D	0,25mm²	0,25mm²
V_{in+}, V_{out+}, V_{in}, V_{out}	*RG-59	*RG-59

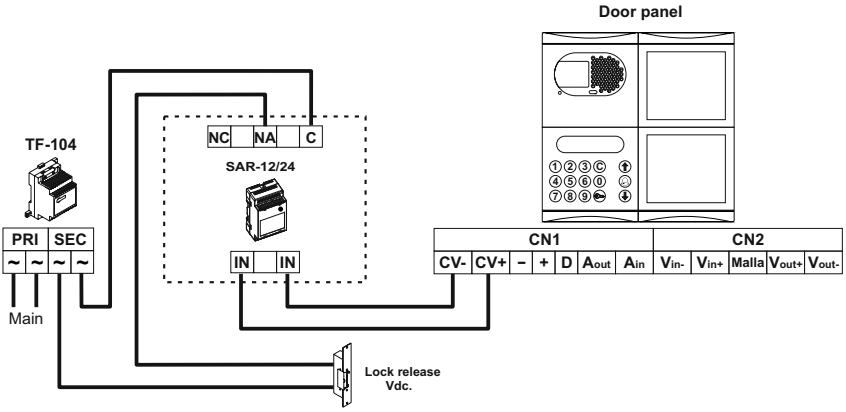
For longer distances than the specified contact with your distributor.

If any T-740 Uno or Platea/Tekna Uno is connected to an internal building door panel, a digital repeater **RD-Plus/Uno SE** must be used, installed as shown in the diagram (for the configuration of the ***RD-PLUS/UNO SE***, see the ***TRD-PLUS/UNO SE*** manual).

* Coaxial cable characteristics RG-59 B/U MIL C-17, (see page 110).

Connexion of an a.c. lock release.

As it is described on page 130, the lock releases to be connected to the door panel must be d.c. type. If an a.c. lock release has been installed before, use a SAR-12/24 relay unit and a TF-104 transformer, and connect them to the lock release as it is shown on the enclosed diagram.

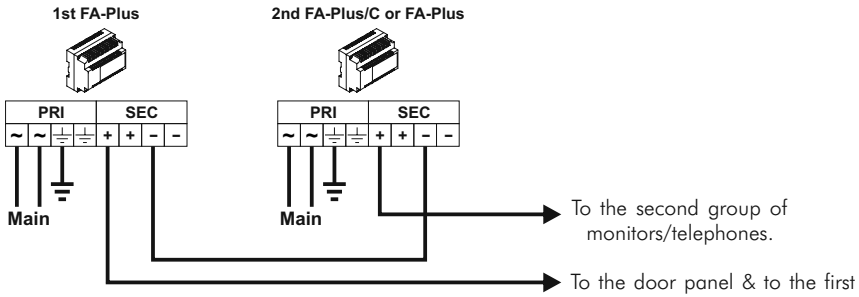


Link of several power supplies units.

If the quantity of monitors or telephones to be connected is bigger than the supported from one power supply (see page 130), use additional power supplies to match the required quantity. The first power supply should be connected to the door panel and to the first group of monitors or telephones; connect the next groups to the positive terminal of its corresponding power supply.

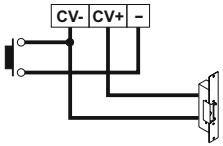
To wire several power supplies link their ground terminals.

NEVER link positive terminals of different power supplies.



External lock release activation.

The lock release can be activated at any moment by using an external push button, that must be connected between 'CV–' and '–' terminals of the keypad module. This function will allow to exit from the building being not necessary the use of a key.

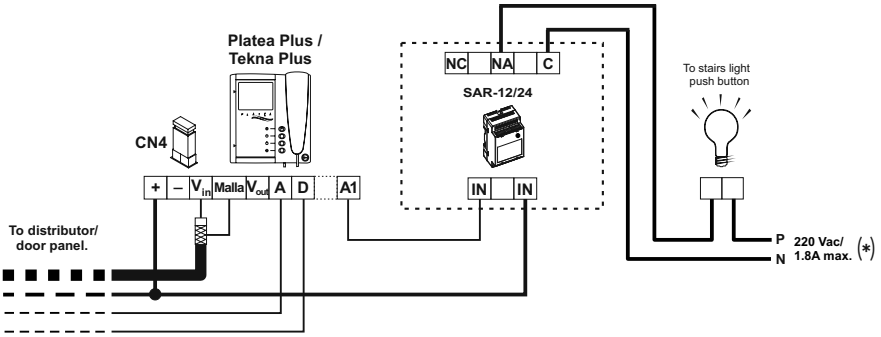


Auxiliary devices activation with Platea Plus/ Tekna Plus monitors.

To activate auxiliary devices the use of a SAR-12/24 relay unit will be required. If this device is shared for all monitors, link their A1 terminal and use just one relay unit. In case that each monitor has its own application use a SAR-12/24 relay unit for each monitor and don't link the A1 monitor terminals.

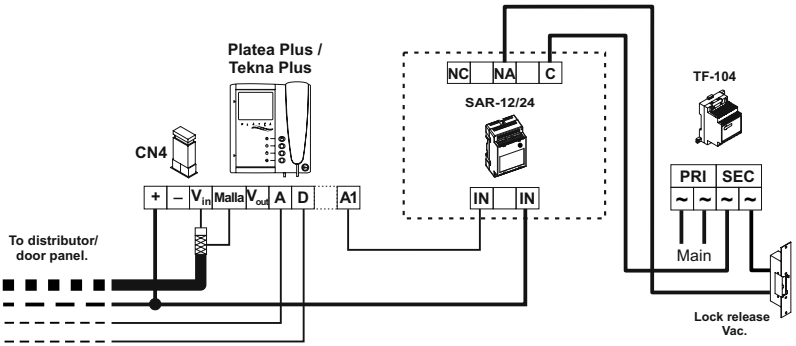
To activate this function, press ⏻ monitor push button at any moment with no dependence of the handset position.

Usual applications are the activation of stairs light, second lock release, ...



(*) The neutral supply from the stairs light will be wired through the relay contacts SAR-12/24, the maximum current for stairs light will be 1.8A.

The use of a TF-104 transformer will be necessary to activate a second lock release.



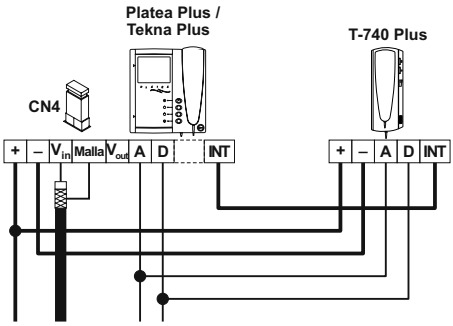
Intercom function.

Platea Plus / Tekna Plus monitor and (*) T-740Plus telephones have intercom facility between two units of the same apartment. To enable this function check the following conditions:

- One of the units has been configurated as master and the other unit as slave with intercom, as described on pages 136 and 143. In case to intercom one monitor with one telephone, configure the monitor as master.
- Link the INT terminal of the units, as it is shown on the enclosed diagram.

To establish an intercom communication lift the handset and press the intercom push button; acoustic tones will be reproduced on the handset confirming the call is in progress or that the other unit is communicating with the door panel. To establish communication lift the handset of the called unit. If during an intercom communication a call is made from the door panel, acoustic tones will be heard on the master unit handset and the picture will appear in case of a monitor; press the intercom push button of the master unit to establish communication with the door panel, or press the door release push button to activate the lock release.

The reproduced acoustic tones are different depending on their provenance, that allows the user to distinguish where the call is made from.

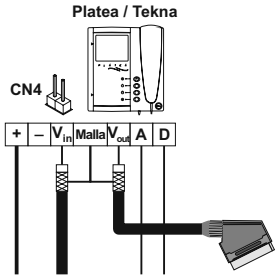


∗ **IMPORTANT:** The T-740 Plus telephone must be configured with SW1 dip switch in "Intercom" mode function (see page 139).

Connecting the Platea / Tekna monitor to a video recorder or TV.

If your TV or video recorder have a SCART connector, it will be possible to view the picture from the door panel on the TV screen.

Remove the end of line jumper, that's placed on the CN4 connector (CN2 in Platea/Tekna Uno). Connect the coaxial cable between terminals 17 (shield) and 20 (hot) of the SCART connector.



Activation of a second camera.

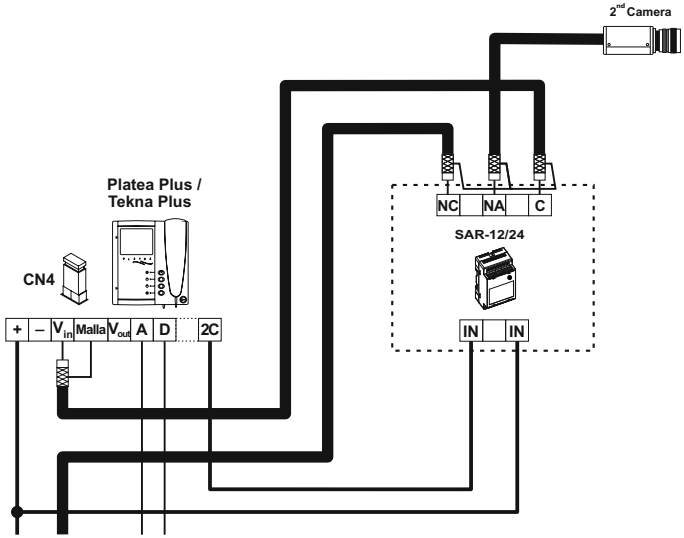
The use of a SAR-12/24 relay will be required to activate a second camera and an internal modification on the monitor shall be done, as it's described on page 132. This facility disables the intercom function. If both functions are required, use A1 terminal to activate the second camera.

To activate this function, press ⏻ monitor push button at any moment with no dependence of the handset position.

If this device is shared for all monitors, link their 2C terminal and use just one relay unit. In case that each monitor has its own camera use a SAR-12/24 relay unit for each monitor and don't link the 2C monitor terminals.

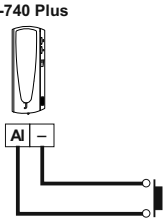
This push button can be used to activate other auxiliary devices, as the A1 terminal is used.

Usual applications are the surveillance of the elevator entrance, reception hall, ...



External lock release activation with T-740Plus telephone.

During call reception and communication progresses allows the lock release activation, by using an external push button, that must be connected between 'AI' and '–' terminals of the telephone.



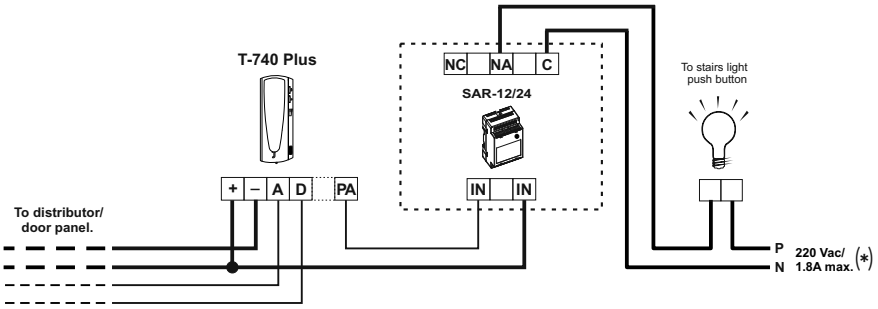
Auxiliary devices activation with T-740 Plus telephone.

First the T-740 Plus telephone must be configured with SW1 dip switch in "PA" output mode function (see page 139).

To activate auxiliary devices the use of a SAR-12/24 relay unit will be required. If this device is shared for all the T-740 Plus telephones, link their PA terminal and use just one relay unit. In case that each telephone has its own application use a SAR-12/24 relay unit for each telephone and don't link the PA telephone terminals.

To activate this function, press ⏻ telephone push button at any moment with no dependence of the handset position.

Usual applications are the activation of stairs light, second lock release, ...

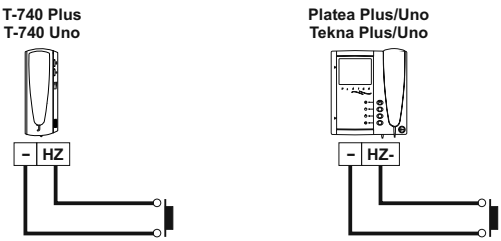


(*) The neutral supply from the stairs light will be wired through the relay contacts SAR-12/24, the maximum current for stairs light will be 1.8A.

Door bell push button connection.

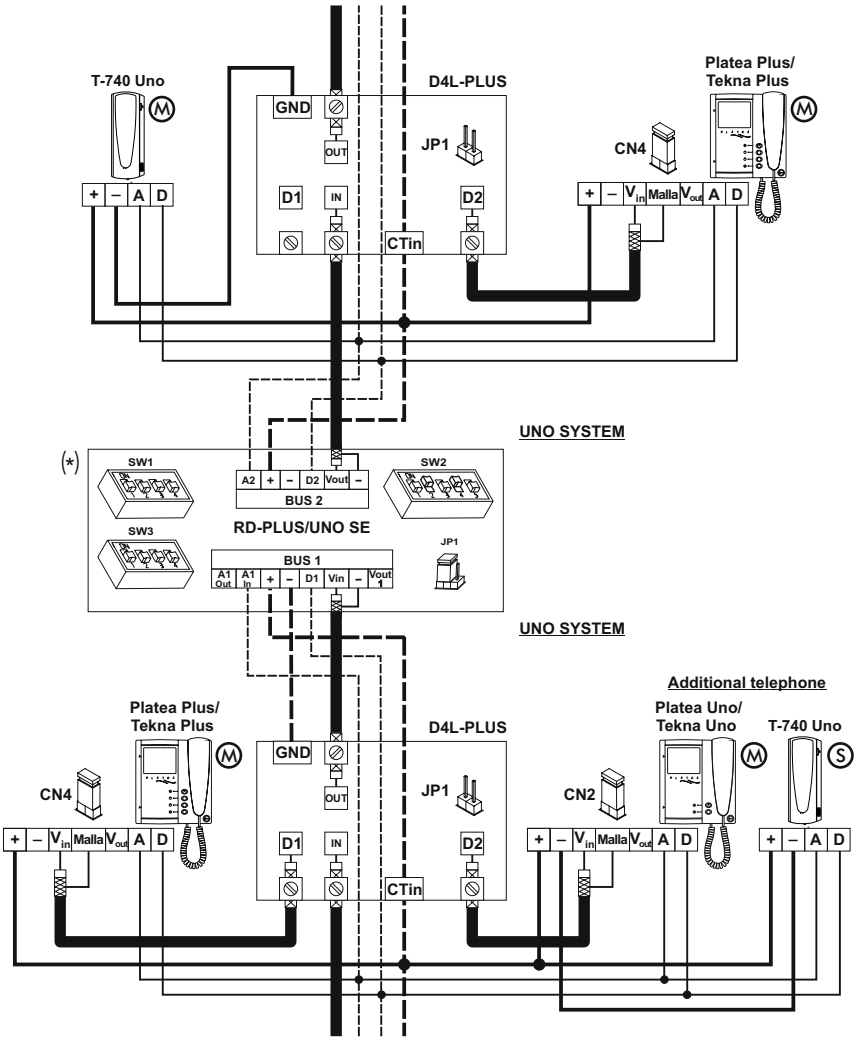
The Platea/Tekna Plus/Uno monitor and the T-740 Plus/Uno telephone can be used to receive the calls made from the apartment door, saving the use of a bell. Wire the push button of the apartment door to the 'HZ–' and '–' monitor or telephone terminals.

The reproduced acoustic tones are different depending on their provenance, that allows the user to distinguish where the call is made from. If during a conversation a call is made from the apartment door, acoustic tones will be reproduced on the handset to advise that someone is calling.



Connection of a repeater RD-Plus/Uno SE.

If there's one or more Uno monitors or telephones in the installation, if the distance between the door panel and the last monitor or telephone exceeds 200 metres, or if the building has more than 200 monitors or telephones, a digital repeater **RD-Plus/Uno SE** should be installed.



(*)**Important:** For the connection and configuration of the ***RD-PLUS/UNO SE***, see the ***TRD-PLUS/UNO SE*** manual).

An easy way to check that the system is working properly is to disconnect the wiring from the door panel and to check the monitor directly connected to the door panel terminal connector.

No shortcircuit will damage the connected units, with the exception of a shortcircuit between CTO and '–' monitor or distributor terminals.

- Nothing operates.
  - Check the output power supply voltage between '–' and '+' terminals: it should have 17,5 to 18,5Vd.c. If not, disconnect the power supply from the installation and measure again. If it's correct now, it means there is a short circuit in the installation: disconnect the power supply from mains and check the installation.
  - Check that 'D' terminal is not shortcircuited with '–' or '+' terminals.
  - Check that 'D' terminal hasn't been changed by 'A' terminal somewhere in the installation.
- Inappropriate audio level.
  - Adjust the level volumes as shown on page 118. In case of feedback, reduce the audio levels until feedback fade out. If feedback don't dissapears refer to the following hint.
- Continuous audio feedback.
  - Check that 'A' terminal is not shortcircuited with other terminals.
- Door open function no operates.
  - Remember that this function is only available during call and communication progresses.
  - Disconnect the lock release from door panel terminal connector and short-circuit terminals '–' and 'CV–': at that moment the output voltage between terminals 'CV+' y 'CV–' should be 12Vd.c. If it's so check the lock release and its wiring.
- The system cannot be programmed.
  - If you are programming push buttons door panels, check that the switch number 2 of the configuration dip switch is set to ON, and that the programming steps are correctly followed. In case of coded door panels, check that the panel is into program mode (see page 119).
  - Check that 'D' terminal is not shortcircuited with other terminals.
  - Check that the door panels jumper corresponding to the communications resistor are properly placed, as shown on the installation diagrams.
- Some units don't receive calls.
  - Remember that each apartment must have a master unit only. Check that the units are switched on and correctly programmed.
  - Make sure that the master monitor or phone is switched on.
- The monitor does not show images.
  - Make sure that the door panel is configurated with camera (see page 120).
  - Check the proper connection of coaxial cable or twisted pair by means of the diagrams shown on pages 145 to 154.
- The monitor shows a distorted or a low-defined image.
  - Check the proper connection of coaxial cable or twisted pair by means of the diagrams shown on pages 145 to 154, pay particular attention to the cable correct polarity.

NOTAS / NOTES

Finalizada la vida útil del producto no lo tire en contenedores de basura, contiene una pila en su interior.

The product contains a battery, so it should not be thrown into a garbage container when it ends its useful life.

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