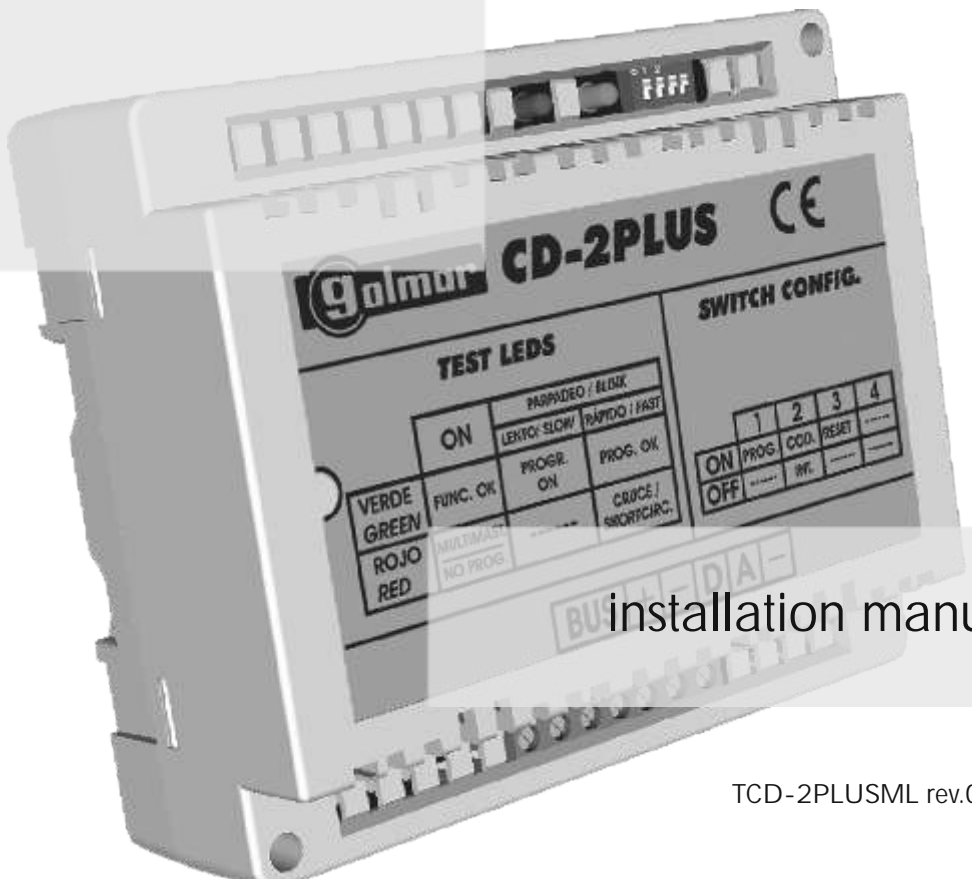




Cód. 50124604

Protocol converter *CD-2PLUS*



installation manual

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.

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STARTING RECOMMENDATIONS

- ☛ The installation and handling of this equipment must be performed by authorised personnel.
- ☛ Install or modify the equipment without the power connected.
- ☛ Do not use excessive force when tightening the converter connection block screws.
- ☛ The entire installation must be at least 40 cm. away from any other installation.
- ☛ Before connecting the system, check the connections between door panel, converter, telephones, and the power supply connection.
- ☛ When starting the equipment for the first time, or after a modification, the system will remain inactive a few seconds due to the initial busy channel time.
- ☛ Necessary a dedicated FA-Plus/C power supply to protocol converter module.
- ☛ Do not connect the converter and the door panel with the same power supply. The converter could be damaged.
- ☛ Do always follow the enclosed information.

- ☞ 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.
- ☞ Do not use excessive force when tightening the connector screws.
- ☞ Install the unit in a dry and protected place without risk of drip or water projections.
- ☞ Avoid to place it near to heating sources, dusty locations or humid environments.
- ☞ Do not block ventilation holes of the unit so that air can circulate freely.
- ☞ Do not connect the converter and the door panel with the same power supply. The converter could be damaged.
- ☞ To avoid damage, the converter has to be firmly fixed.

SYSTEM CHARACTERISTICS

- ☞ Protocol converter for *2PLUS* system that allows:
 - ☞ Assembling a porter's exchange Plus in a *2PLUS* installation.
 - ☞ Assembling general door panels Plus with inner access into *2PLUS* system.
 - ☞ Assembling a coded door panel Plus with *2PLUS* telephones.
- ☞ Up to 250 converters per installation.
- ☞ Up to 120 apartments and 120 telephones per backbone.
- ☞ Easy configuration by means of an easy accessible switch.
- ☞ Self-testing leds that can detect installation and/or programming failures.
- ☞ Necessary a dedicated FA-Plus/C power supply to protocol converter module.

OPERATION MODES

The CD-2PLUS converter has 3 possible operation modes:

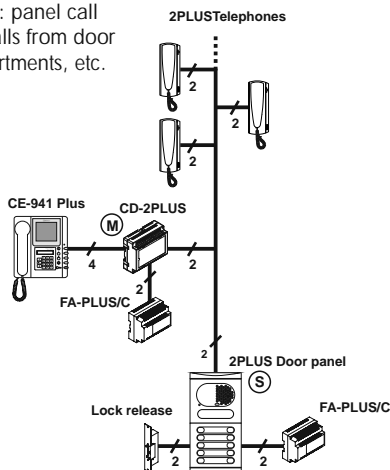
Porter's Exchange interface

A CE-941 Plus porter's exchange can be inserted between the door panel and the telephones, so that the common functions of this unit can be done: panel call pickup, receive and do calls to apartments, transfer calls from door panel to apartments, storage unanswered calls of apartments, etc.

Maximum one panel per system.

Only a panel send the call to porter's exchange.

Installation diagram on page 31.



(M) = Master.

(S) = Slave.

Continue

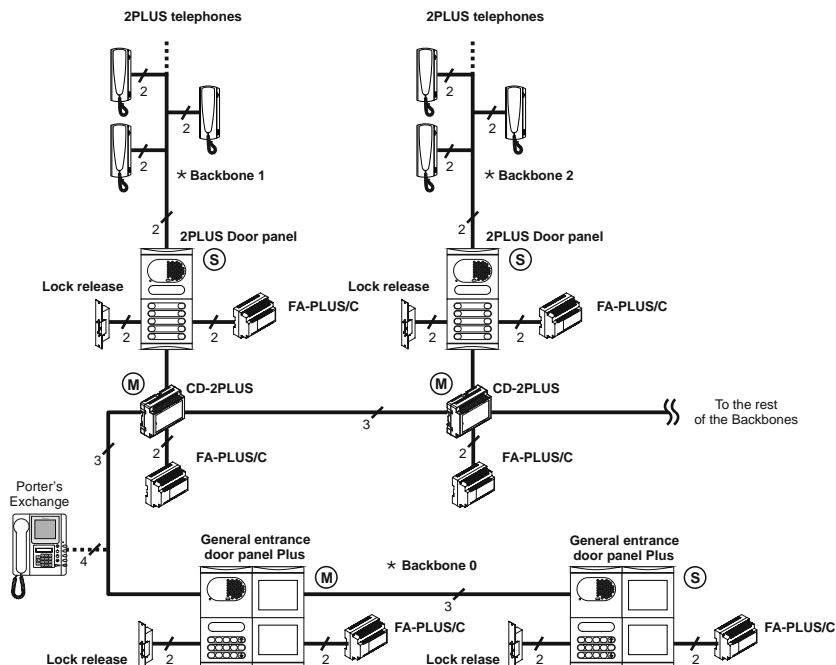
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Backbone encoder (General entrance door panels)

It is possible to install a general entrance door panel Plus with inner portals 2PLUS, so that a porter's exchange CE-941 Plus can be inserted optionally between both elements.

A converter per inner column is required.

Installation diagram on page 33.



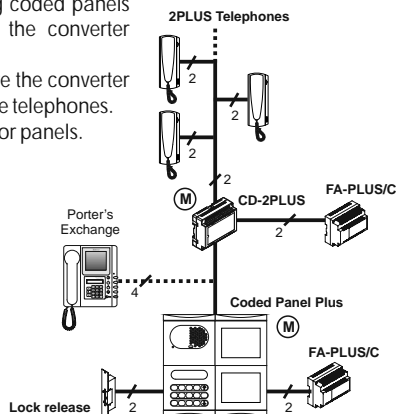
Backbone encoder (Coded panel)

This variable of the previous mode allows installing coded panels Plus with 2PLUS telephones, by changing only the converter position so that it is at the end of the door panel.

It is also possible to insert a porter's exchange before the converter or a 2PLUS door panel between the converter and the telephones.

It can be applied with or without general entrance door panels.

Installation diagram on page 32.



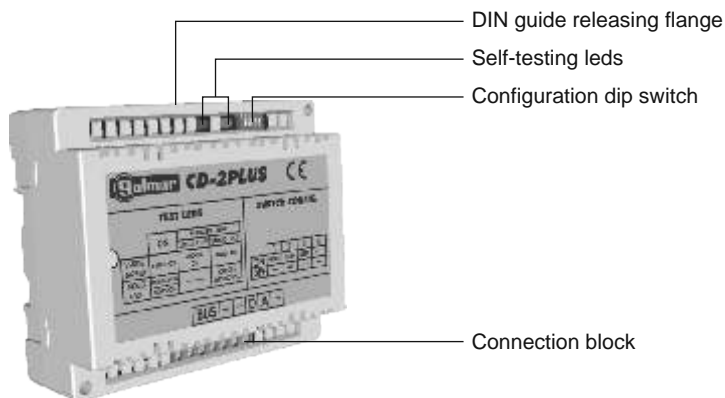
* Terms:

Backbone: Logical address.

(M) = Master.

(S) = Slave.

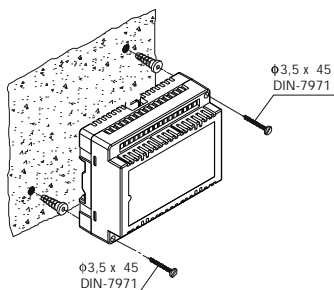
C onverter description.



INSTALLATION

C onverter installation.

Install the converter in a dry and protected place free from the risk of drip or water projections. To avoid damage the converter must be firmly fixed.



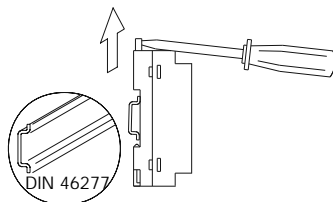
Install or modify the equipment without the power connected.

The installation and handling of this equipment must be performed by authorised personnel.

To install the converter directly on the wall, drill two holes of $\varnothing 6\text{mm.}$ and insert the wallplugs. Fix the converter with the specified screws.

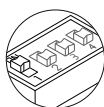
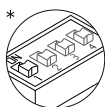
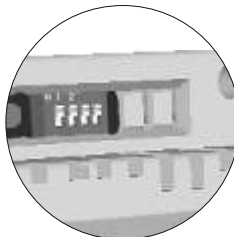
The converter can be installed on a DIN guide (6 elements), pressing it lightly.

To extract the converter from the DIN guide, use a plain screwdriver to lever the flange as shown in the picture.

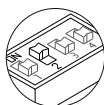
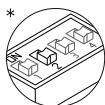


Description of the configuration dip switch of CD-2PLUS module.

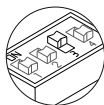
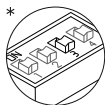
The SW1 configuration dip switch is found at the upper right side of the module.



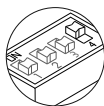
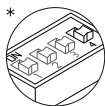
Set to ON the switch number 1 to programme the backbone.
This function must be done only in case the module is being used as backbone encoder (see page 27).
Once the programming process is finished return the switch to OFF.



Set to ON the switch number 2 to activate the mode "backbone encoder". Set to OFF to activate the mode "porter's exchange interface".
(see pages 26-27)

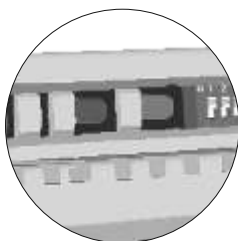


Factory adjustment. Keep it always OFF.



Not used.

*Factory default



Description of the self-testing leds.

The self-testing leds are placed together with the configuration dip switch.

Green Led

Fixed: Correct operation.

Slow blinking: Programming of converter in progress.

Quick blinking: Programming has finished.

* In case of crossed line, if it is removed before 2 minutes (approx.), the door panel will automatically reset; in case of more than 2 minutes, it is necessary to switch it off and then switch it on.

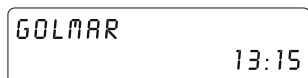
Red Led

Fixed: There is a door panel configured as master.

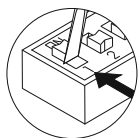
Blinking: There is a crossed line in the installation* between bus wires.

Programming the converter.

In case of using this module as a backbone encoder (general door panel), see page 27; a different backbone code must be programmed in every converter, following these steps:

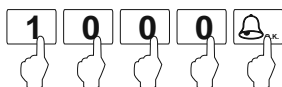


Access into the panel programming mode by pressing the key button followed by the secret code of installer (factory default 1315), as it is shown on the door panel manual.

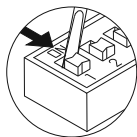


Activate the converter programming: set to ON the switch number 1.

The door panel emits a tone and the green led of the converter starts a slow blinking. It means the programming has begun.



Introduce the backbone code to be programmed followed by three zeros, then press the bell button.



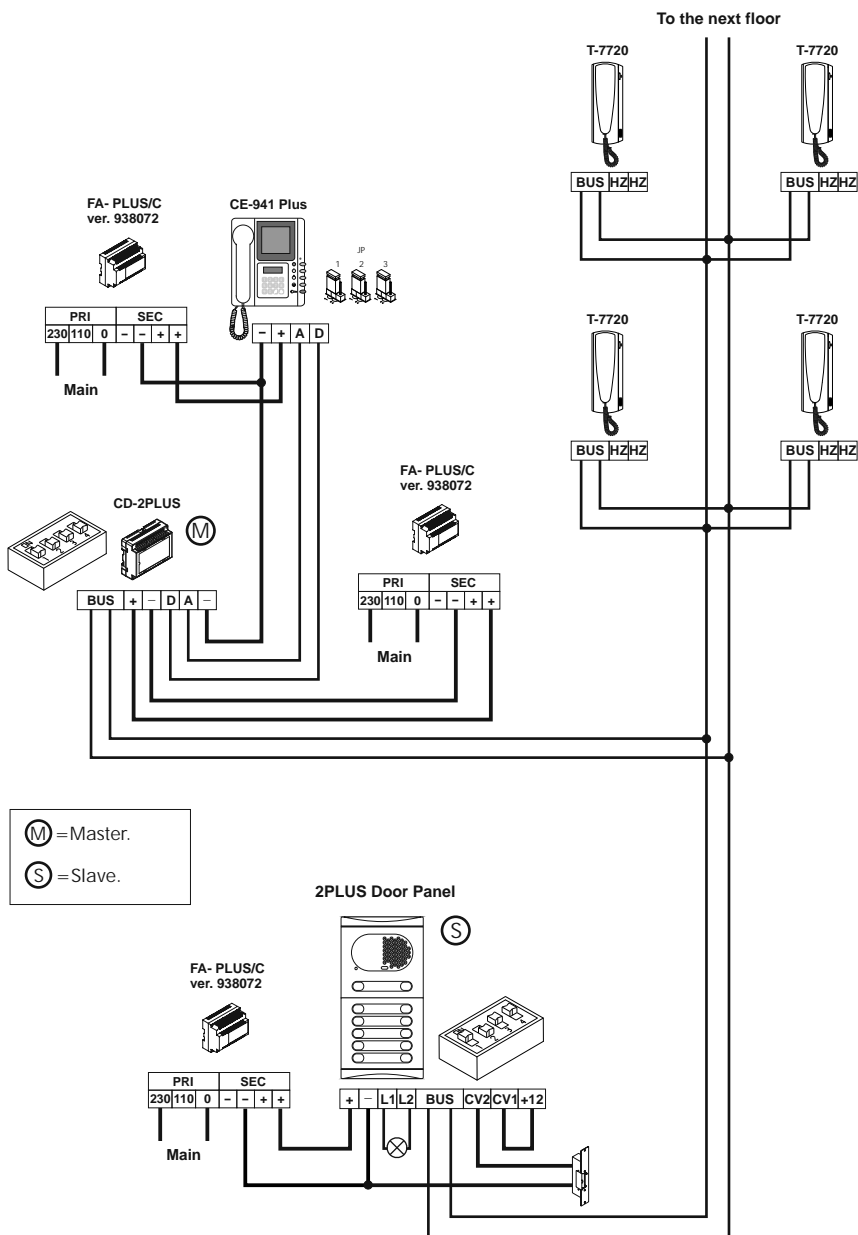
The door panel will emit some tones and the green led of the converter starts a quick blinking to show it has been correctly programmed.

To exit the programming mode, set to OFF the switch number 1 and press the Cancel button of the door panel.

In case of more converters, proceed equally introducing a different backbone code in each converter.

If the red led lights up during any of these procedures, restart the programming mode from the beginning.

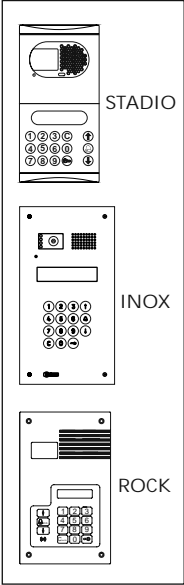
Interface mode for Porter's exchange.



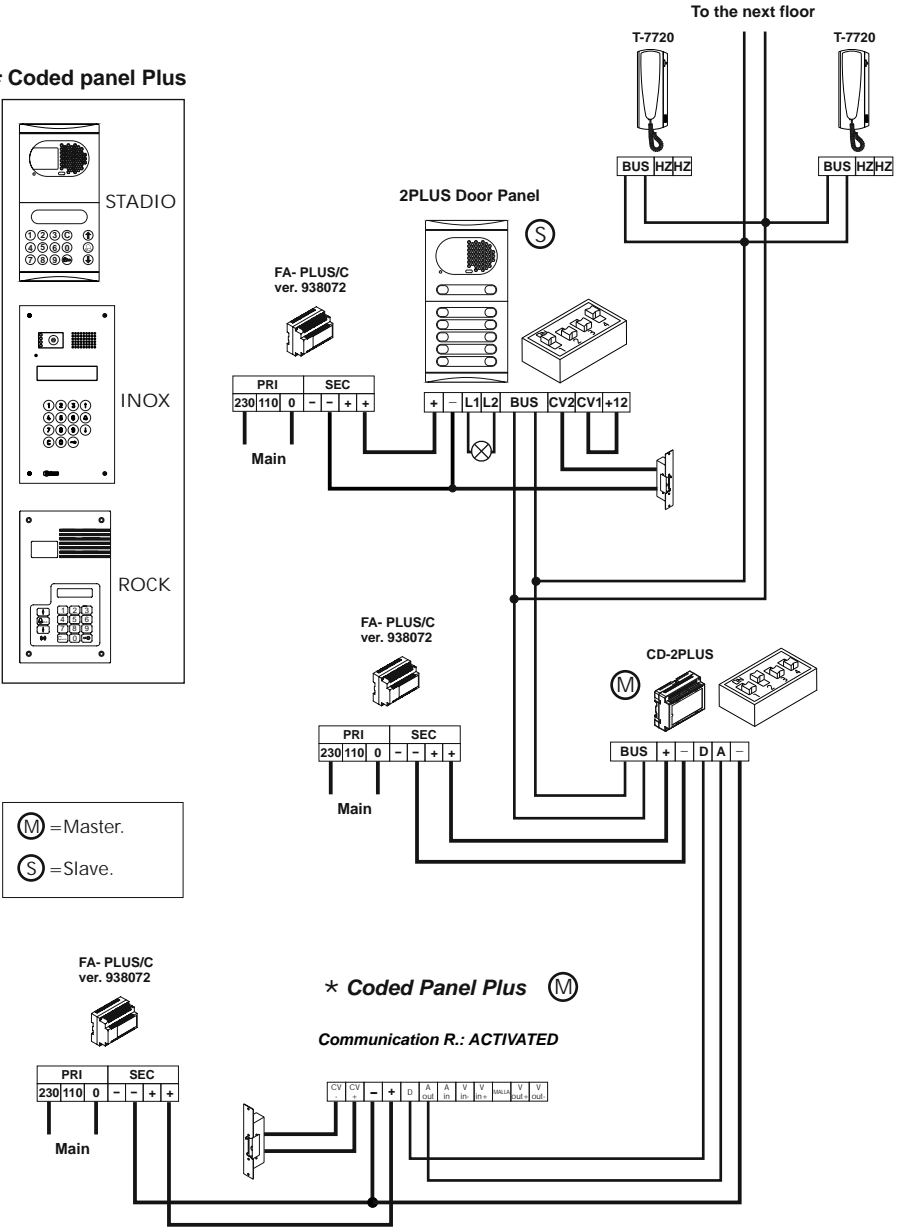
IMPORTANT: For the configuration and programming of each equipment, see the corresponding manual.

Backbone encoder mode (coded panel)

* Coded panel Plus



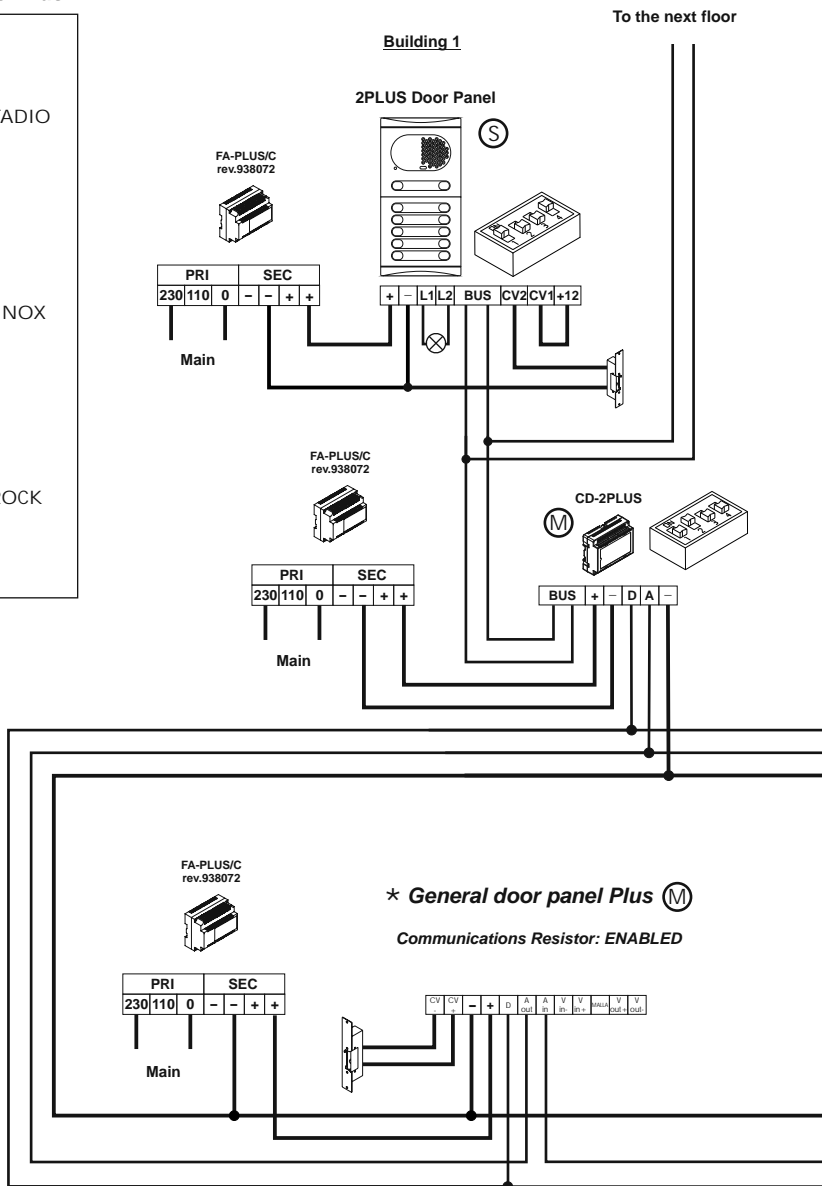
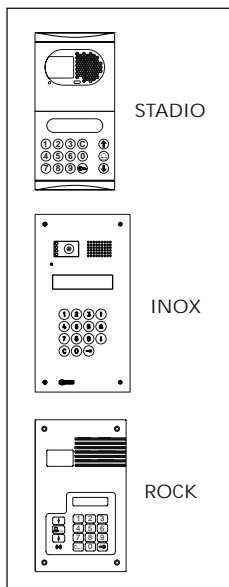
(M) = Master.
(S) = Slave.



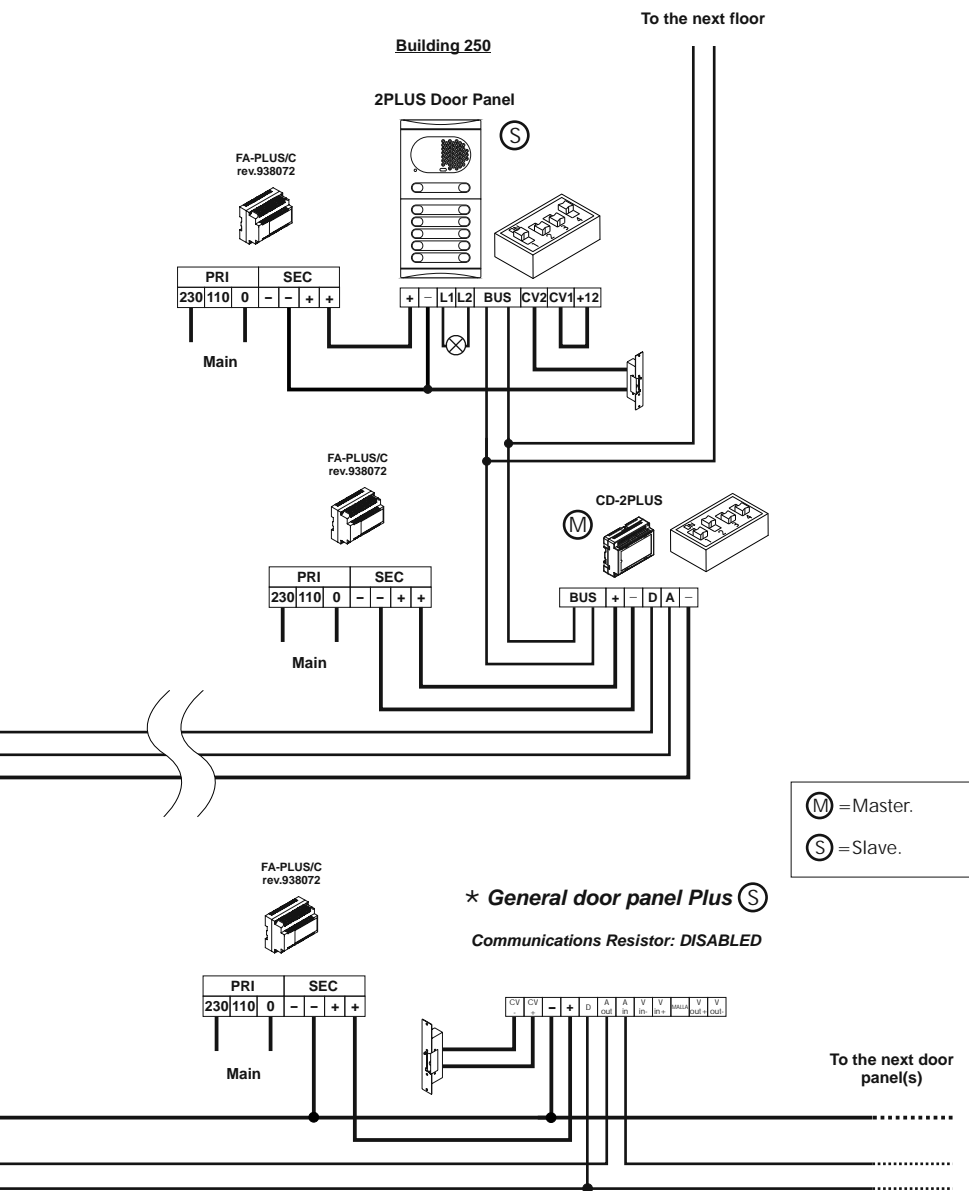
IMPORTANT: For the configuration and programming of each equipment, see the corresponding manual.

B Backbone encoder mode (general entrance door panels)

* Coded panel Plus



IMPORTANT: For the configuration and programming of each equipment, see the corresponding manual.



Interface mode for porter's exchange❏ The porter's exchange doesn't receive calls from the door panel.

- ☞ Check if calls are received from any other telephone (pressing the lock release push button with the handset off the hook).
- ☞ If so, check the porter's exchange configuration, verify the option of seizing the panel is active and that the switch number 3 is set to ON.
- ☞ If not, check the porter's exchange is not switch off (the screen shows a line of points), remember the red led is always lighted.
- ☞ Check the wiring (page 31) and the converter configuration (page 29).

Backbone encoder mode (General entrance door panels)❏ Impossible to call from the general entrance door panels.

- ☞ Check whether it is possible to call from the internal panels.
- ☞ If so, make sure the programming of the backbone in the converters has been done appropriately (page 30) and check the wiring (page 33) and the configuration (page 29).
- ☞ If not, revise the telephones programming (see the door panel manual) and, if necessary, repeat the programming steps.
- ☞ Check also the voltage between the "-" and "+" terminals of the several elements is about 17,5 to 18,5Vc.c., otherwise, check the power supply and wiring.

❏ The converter can not be programmed.

- ☞ Check the coded panel is set to the configuration mode before setting the switch number 1 to ON (see page 29) and that the programming sequence is correct.
- ☞ Check the "BUS" terminals are not short-circuited between them nor any other terminal.

Backbone encoder mode (Coded panel)❏ Calls can not be done.

- ☞ Remember that once the power supply is plug in, the system remains inactive for 45 sec, likewise when connecting any other unit into the installation.
- ☞ Make sure the converter has not any backbone programmed, to do it, set the switch number 2 to OFF and then put it back to its correct position (ON), like this the backbone programming is reset.
- ☞ Review the converter wiring (page 32) and its configuration (page 29).
- ☞ Check also the voltage between "-" and "+" terminals of the several elements is about 17,5 to 18,5Vd.c., otherwise, check the power supply and wiring.

This image shows a full page of handwriting practice paper. It features approximately 20 horizontal rows. Each row is defined by two parallel dashed lines, creating a series of uniform gaps for letter height. The lines are evenly spaced across the entire page, providing a guide for consistent letter formation. There is no text or other markings on the paper.

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

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Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto Compatibilidad Electromagnética 2004/108/CEE, así como con la ampliación en la Directiva del Mercado CE 93/68/CEE.

This product meets the essentials requirements of applicable European Directives regarding Electromagnetic Compatibility 2004/108/ECC, and as amended for CE Marking 93/68/ECC.



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

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

NOTE: *Operation is subject to the following conditions:*

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



golmar@golmar.es
www.golmar.es



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