



Kit Vidéo
3 + coax
4 + pt

Serie Rock

Manuel d'installation

INTRODUCTION

First of all, thank-you for choosing a Golmar product.

Our certification ISO-9001 let us meet the expectations of our customers by manufacturing good quality products, such as this one.


Customers and users will appreciate its several performances thanks to high manufacturing quality and strict quality control. Read carefully this instruction manual before using this device in order to take any advantage and to use it properly.

INDEX

Introduction	41	Programming	49
Index	41	T-740 Uno Phone	
Starting suggestions	41	Description	50
System operation	42	Phone fixing	50
System features	42	Function button	50
Very important note	42	Programming	51
Doorpanel installation		Final adjustments and doorpanel closing	51
Installation of the embedding box	43	Programming backbone code	52
Power supply installation	44	Installation diagrams	
Door opener installation	44	Video system with coaxial	
Doorpanel configuration	45	cable	53-54
Platea Uno Monitor		Video system with twisted	
Description	46	pair	55-56
Function buttons	46	Optional connections	
Monitor connector	47	D.c. and a.c. door opener	57
End of line resistor	47	External button to open the door	57
EL562 Module	47	Television connection	57
Monitor installation	48	Door bell pushbutton connection	57
		Troubleshooting	58
		Conformity	59

STARTING SUGGESTIONS

- ☛ Do not tighten the screws of the power supply terminal block excessively.
- ☛ Disconnect power supply when installing or modifying the device.
- ☛ Before connecting the device, check the connections among doorpanel, monitors, phones and power supply. Always follow the instructions of this manual.
- ☛ When starting the device for the first time, or after a change, the system will be blocked during 45 seconds.
- ☛ In devices with coaxial cable, always use RG-59 or RG-11 cables. **Never use coaxial antenna cable.** In systems up to 100m you can use **Golmar RAP-5130 cable**, which includes all the necessary conductors for the installation.

- ☛ To make a call, the visitor will have to push the doorpanel button: some acoustic tones will indicate that the call has been done. In this moment, the monitor (phone) of the house receives the call.
- ☛ In devices with several entry doors, the other doorpanel(s) will be automatically disconnected: if another visitor needs to call, some phone tones will indicate that the line is busy.
- ☛ The call lasts for 45 seconds; the master monitor shows the image 3 minutes after receiving the call; while the visitor does not perceive it. To see the image in a slave monitor, press the button , the image will disappear from the monitor which was showing it. If the call is not answered before 45 seconds, the line will be free.
- ☛ To communicate, lift the handset from the monitor (phone).
- ☛ Communication will last for one minute and a half or until the handset is hung up.
- ☛ To open the door, press the door opener button during the call or communication: one touch activates the door opener for three seconds.
- ☛ Pages 46 and 50 contain the description of the function buttons.

SYSTEM FEATURES

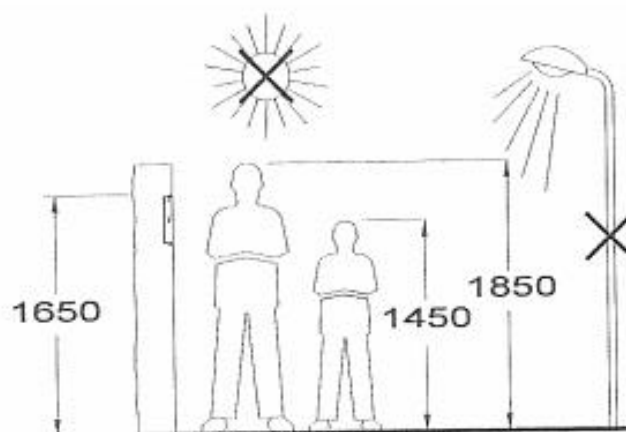
- ☛ Microprocessed video system with three wires+coaxial installation or four wires+twisted pair installation and Uno technology.
- ☛ **IP-44 sealed doorpanel and anti-vandal IK-09.**
- ☛ Compatible with Uno monitors and phone.
- ☛ Compatible with electronic audio systems or video systems with four common wires, three wires+coaxial or four wires+twisted pair installations.
- ☛ Unlimited doorpanel number without using commutation units.
- ☛ Combinable with code general entrance panels, up to 250 internal houses.
- ☛ Maximum distance between doorpanel and monitor: 200m.
- ☛ Phone tones to confirm call and busy line.
- ☛ Temporized door opening for three seconds.
- ☛ Direct current or alternative current door opener activated by means of a relay.
- ☛ In Platea Uno monitors or T-740 Uno/T-940 Uno phones:
 - ☛ Conversations and images are totally confidential.
 - ☛ "Spy-video" function without keeping any line busy (Only Platea Uno).
 - ☛ Call entry from the internal door of the house.
- ☛ **Up to two monitors and one phone in each house without extra power supply.**

VERY IMPORTANT NOTE

This device is delivered after being set up completely, so that it can be used with its monitor; if an additional monitor or phone is needed, it must be set up (pages 49 and 51).

If this device is part of a system with general doorpanels, the doorpanel and the monitor must be set up as shown on page 52.

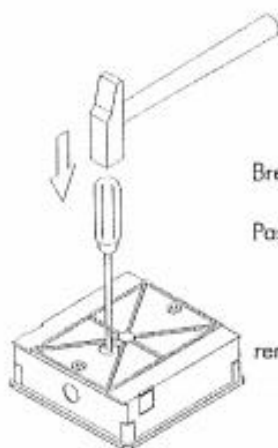
Positioning of the embedding box



Drill one hole in the wall so that the upper part of the doorpanel is installed at a height of 1,65m.
Drill dimensions are: 131(Width) x 131(Hight) x 45(Depth) mm.

The doorpanel has been designed to resist several environmental conditions. However, it is better to take additional precautions to ensure a long life for it (rain shields, covered places...). To obtain image maximum quality in video entry-phone systems, avoid back lighting caused by light sources (sun, lamps,...).

Installation of the embedding box

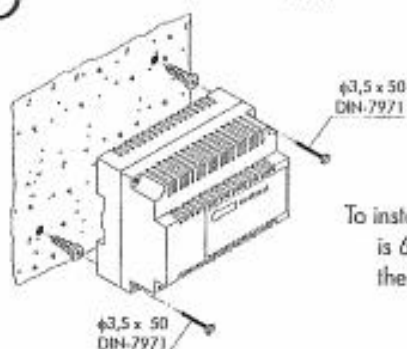


Break the partition wall to enter cables.

Pass the wiring through the hole made in the bottom part of the embedding box.
Fix the box in the wall, adjust and level it.
After the embedding box has been installed, remove the protective stickers from the fixing holes.



Detail of FA-805 power supply installation.



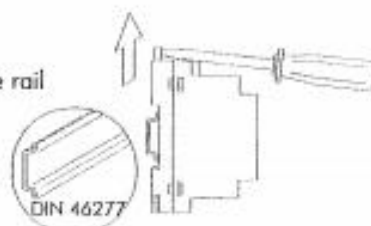
Install the power supply in a dry sheltered place.

Remember that, according to the regulations in force, it is necessary to protect the power supply by means of a magnetothermic switch.

To install the power supply in the wall, drill two holes whose diameter is 6mm and insert the plugs. Fix the power supply by means of the proper screws.

The power supply can be installed on a DIN 46277 guide rail (7 elements) pushing it slightly.

To remove the power supply from the guide rail, put a flat screwdriver under the edge and prise it open as shown in the picture.



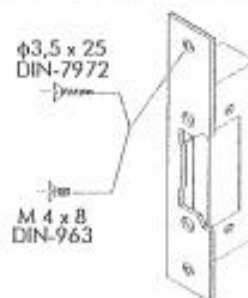
DOOR OPENER INSTALLATION

Detail of the door opener installation

If the door opener must be installed on a metal door, use a 3,5mm drill and thread the hole.

If it must be installed on a wooden door, use a 3mm drill.

WARNING: See connection diagrams on page 57.



Doorpanel configuration.

The doorpanel is provided with microswitches (SW1) and a jumper (JP1) in its rear part; Their functions are described below.



JP1



It allows the connection of an alternative current door opener; page 57 shows the connection diagram.



It allows the connection of a direct current door opener; page 57 shows the connection diagram.

SW1



When this switch is ON, the doorpanel can autoswitch-on (audio and/or video communication without any call). In buildings with several doorpanels, just activate this function in one of them. In systems equipped with a general doorpanel, this function can be activated in one doorpanel of each detached



Select ON to set up monitors and phones.

At the end of program, select OFF again.

Page 49 describes monitor program method; while page 51 describes phone program method.



Select OFF in case of a main doorpanel. Each system must be equipped with just one main doorpanel; all the others must be slave doorpanels (ON). In systems provided with a general doorpanel, one doorpanel of each house will be configured as



Select OFF if the doorpanel is provided with a camera. Select ON if it has no camera.



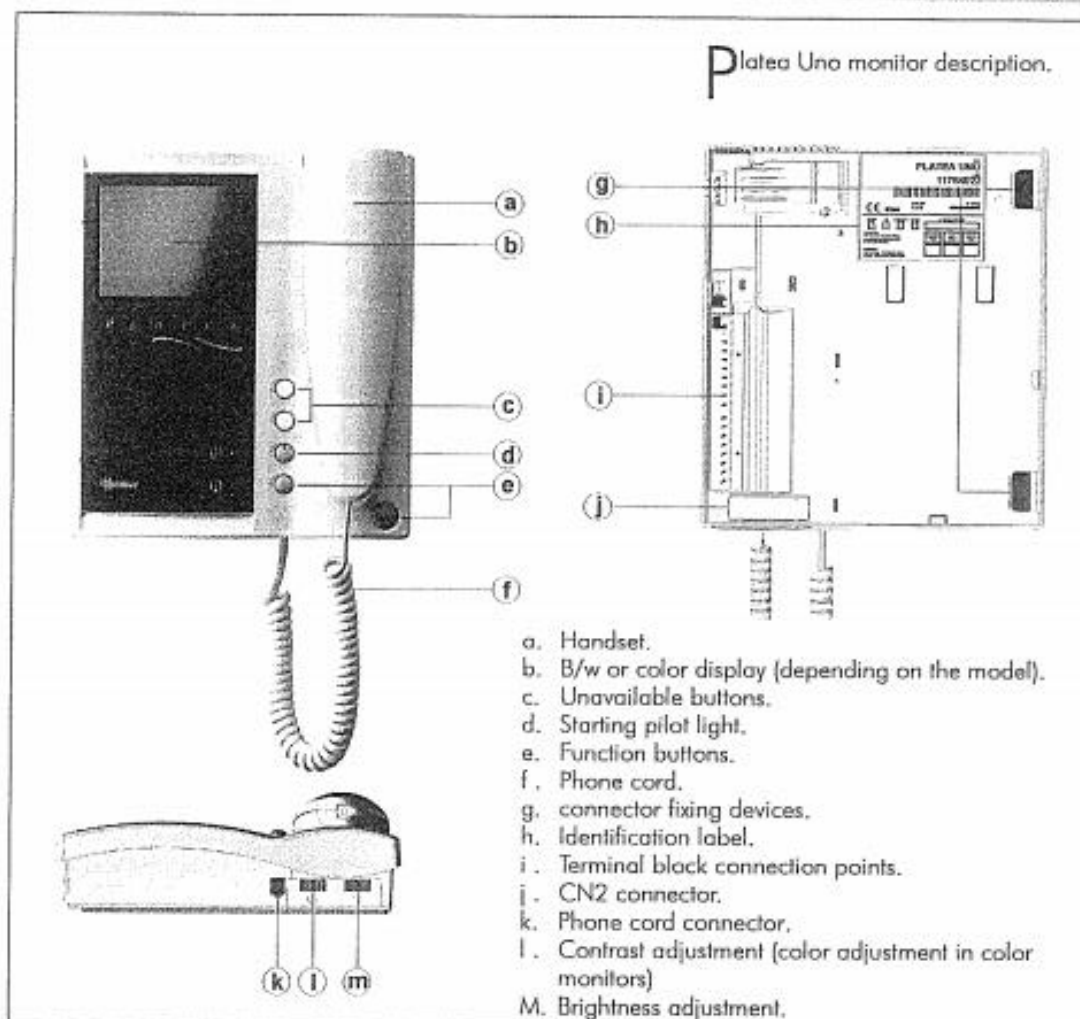
With a general doorpanel, select ON to set up the installation line; at the end of program, select OFF again.

Page 52 describes the program method.



Equip the installation with a communication resistance. To ensure a correct operation, this resistance must be activated only in the doorpanel which is the nearest to the installation line or in the main doorpanel (if one exists). If any RD-Plus/Uno repeater is used, it must be deactivated in the doorpanels behind it.

*Factory value



Function buttons.

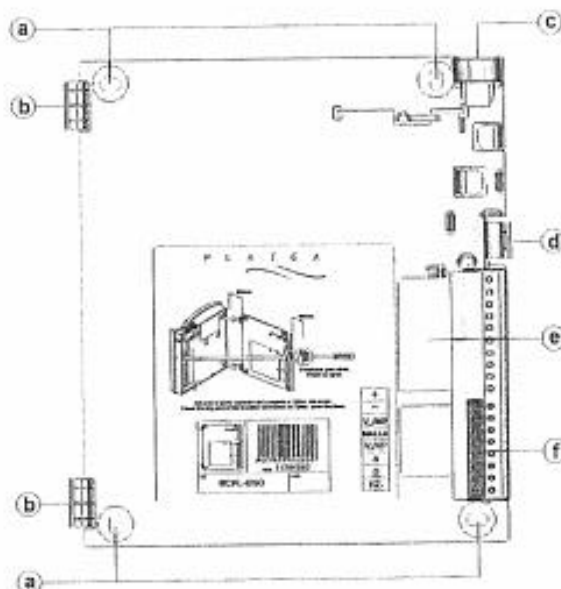


When the handset is hung up, it allows the user to see the image coming from the main doorpanel. When the handset is lifted, it allows to establish an audio/video communication with the doorpanel in which the autoswitch-on function is activated. It does not work during a communication.



When the handset is hung up, keep this button pressed during 1 second to turn the monitor on or off. During the 45 seconds after the monitor has been turned on, it will only be able to receive calls. When the handset is lifted, it allows the user to call the main porters exchange. When a call is received or during communication, it enables the door opener.

Description of the RCPL-Uno connector



- a. Wall fixing holes (x4).
- b. Monitor fixing pins (x2).
- c. Cable vertical entrance.

- d. Fixing pin.
- e. Cable central entrance.
- f. Connection terminal block.

Use of the end of line jumper.



The end of line jumper is located in CN2 connector, in the rear part of the monitor. In systems with twisted pair, the end of line jumper is located in the EL562 module (see next paragraph)

Do not remove jumper in those monitors where the video cable end is located.

Remove jumper only in intermediate monitors.

EL562 module for video installations with twisted pair.



Find CN2 connector in the rear part of the monitor.
Remove the existing jumper and plug the EL562 module.

NOTE: The doorpanel admits both installation types (coaxial or twisted pair installation) without making any change.
See the specific installation diagram.

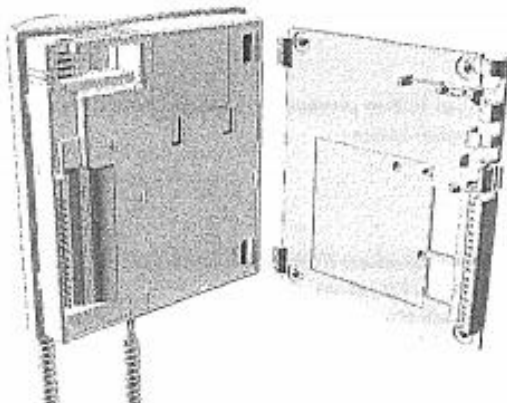
Fix the monitor connector to the wall.

Do not install the device near heat sources, in places with dust or fumes.
Install the monitor directly on the wall, by drilling four holes whose diameter is 6mm and by using the screws and wallplugs supplied.

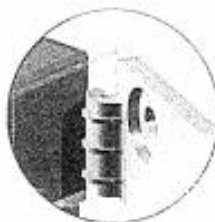
**The upper part of the connector must be positioned at a height of 1,60m from the ground.
The minimum distance between the connector sides and any object must be 5 cm.**



Position the monitor.

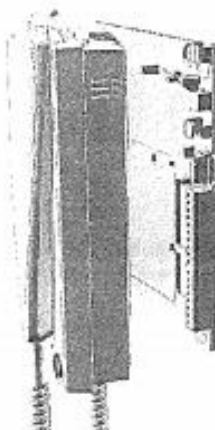


Put the monitor in a perpendicular position to the connector, so that the holes on the monitor base and the fixing pins of the connector coincide, as shown in the picture.



Close the monitor like a book, by pressing its right side towards the fixing pins of the connector until you hear a "click".

If you need to remove the monitor after it has been installed, press the fixing pin of the connector by means of a flat screwdriver. Once the monitor has been released, open it like a book and separate it from the connector. Pay attention while carrying out this operation: the monitor could fall.



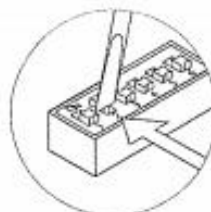
Monitor program.

REMEMBER: Monitors must be programmed only if some of them are slave or if there are general doorpanels.

Find the configuration microswitch located in the rear part of the doorpanel and set number 2 to ON.

The doorpanel will produce a tone, indicating that it has entered program mode.

In systems with more than one doorpanel, this operation must be carried out only in the main doorpanel of each building.



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.



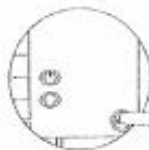
Keep the autoswitch-on button pressed and without releasing it, press the door opener button.



The doorpanel will produce tones to indicate that the device is ready to be set up.
The monitor will show the image and it will be possible to release the other buttons.
Lift the handset from the monitor.



Press the doorpanel button.
The doorpanel and the handset will produce tones.



To set up the monitor as the main one, hang the handset up.
To set up the monitor as a slave one, press the door opener button.

Each house must be equipped with just one main unit; if parallel-connected units exist, they must be configured as slave, whether monitors or phones.



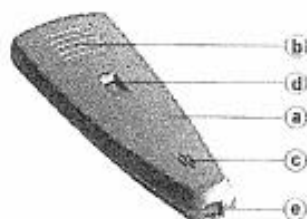
Make a call to make sure that the monitor has been properly set up.

Set up the other monitors in the same way.

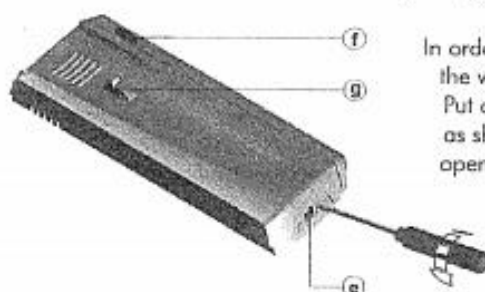
At the end of the program process, the switch must be set to OFF.

If you forget to do this, the doorpanel will produce tones to indicate that program mode has not been deactivated.

Description of T-740 Uno Phone

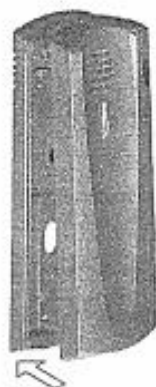
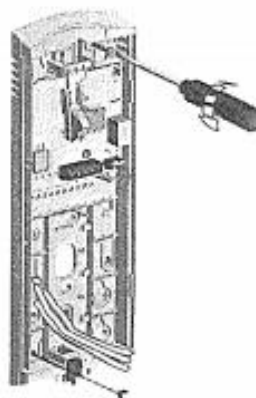


- a. Handset
- b. Sound diffusion unit.
- c. Microphone.
- d. Fixing hole.
- e. Phone cord connector.
- f. Function button
- g. Hang up button.



In order to connect the phone and to fix it to the wall, it is necessary to open it. Put a flat screwdriver in the proper openings as shown in the picture and prise them open.

Do not install the device near heat sources, in places with dust or fumes. The phone can be fixed in a universal box or directly to the wall. To fix it directly to the wall, drill two 6mm holes in the position shown in the picture, by means of 6mm screws and Ø3,5 x 25mm screws.



Pass the cables through the proper hole and connect them to the terminal block, as shown in installation diagrams. Close the phone as shown in the picture, then connect the handset by means of the phone cord and hang it up.

Function button.

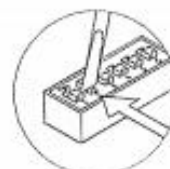


When the handset is lifted, it is possible to make a call to the porters exchange. When a call is received or during communication, it enables the door opener.

Phone program.

Find the configuration microswitch located in the rear part of the doorpanel and set number 2 to ON.

The doorpanel will produce a tone, indicating that it has entered program mode. In systems with more than one doorpanel, this operation must be carried out only in the main doorpanel of each



Press the door opener button and, without releasing it, lift the handset.



The doorpanel and the handset will produce tones to indicate that the device is ready to be set up. It is possible to establish an audio communication. Release the door opener button.



Press the doorpanel button. The doorpanel and the handset will produce tones.



To set up the phone as the main one, hang the handset up.
To set up the phone as a slave one, press the door opener button.

Each house must be equipped with just one main unit; if parallel-connected units exist, they must be configured as slave, whether monitors or phones.



Make a call to make sure that the phone has been properly set up. Set up the other phones in the same way.

At the end of the program process, the switch must be set to OFF.

If you forget to do this, the doorpanel will produce tones to indicate that program mode has not been deactivated.

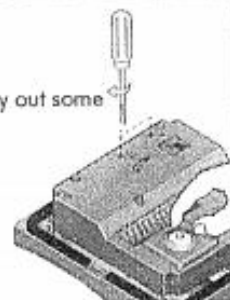
Final adjustments

If, when using the device, audio volume is inadequate, it is necessary to carry out some adjustments, as shown in the picture.

The camera is equipped with an horizontal and vertical orientation device.

If orientation is not correct, change it.

Fix the doorpanel to the embedding box by means of the proper screws.

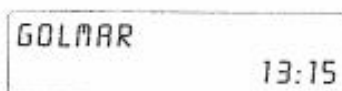


This device can work as a partial doorpanel in building complexes with shared entrances. In this kind of systems, each partial doorpanel must be programmed with a different backbone code so that shared entrances recognize which is the partial doorpanel they have to call. To carry out this operation, do as follows.



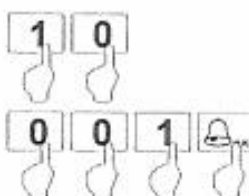
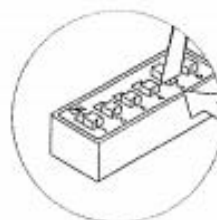
NOTE: For this type of installation, please contact the technical trade department of Golmar.

B backbone code programming.

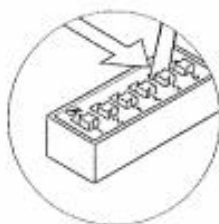


The general doorpanel enters programming mode after pressing the key button and inserting the installer secret code (factory value 1315).

Find the configuration microswitch located in the rear part of the detached house doorpanel and set number 5 to ON. Both doorpanels will produce tones to indicate that program mode is enabled. The coded doorpanel will display the "PROGRAM" message.



Insert the code of the backbone to be programmed (between 1 and 250), then 001 code and press the bell button. Both doorpanels will produce tones to indicate that programming has been successfully carried out.



In order to exit program mode, set microswitch number 5 of the detached house doorpanel to OFF and press "C" button of the general doorpanel.

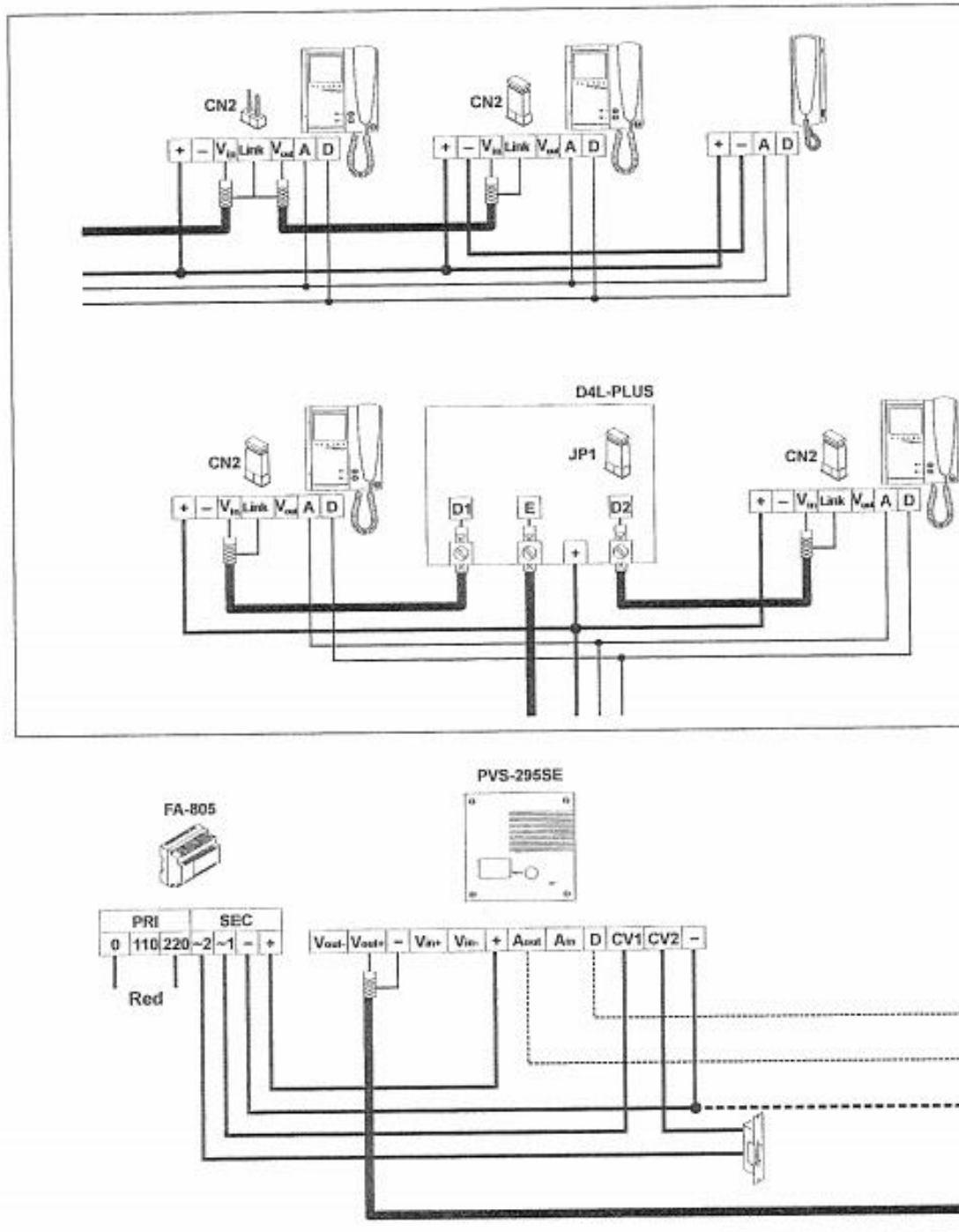
After programming the backbone, program monitors and telephones following the instructions shown on page 49 and 51.

Program all the other doorpanels in the same way.

Do NOT program more than one house doorpanel at the same time.

REMEMBER: It is necessary to program the backbone code only if the panel is part of a system equipped with general doorpanel/s (see note).

○ ne or more entry doors, alternative current door opener and coaxial cable



Example of cascade connected devices

Remove CN2 connector jumper from all the monitors (see page 47), except from the one in which the coaxial cable end is located (without using output).

Example of distribution connected devices.

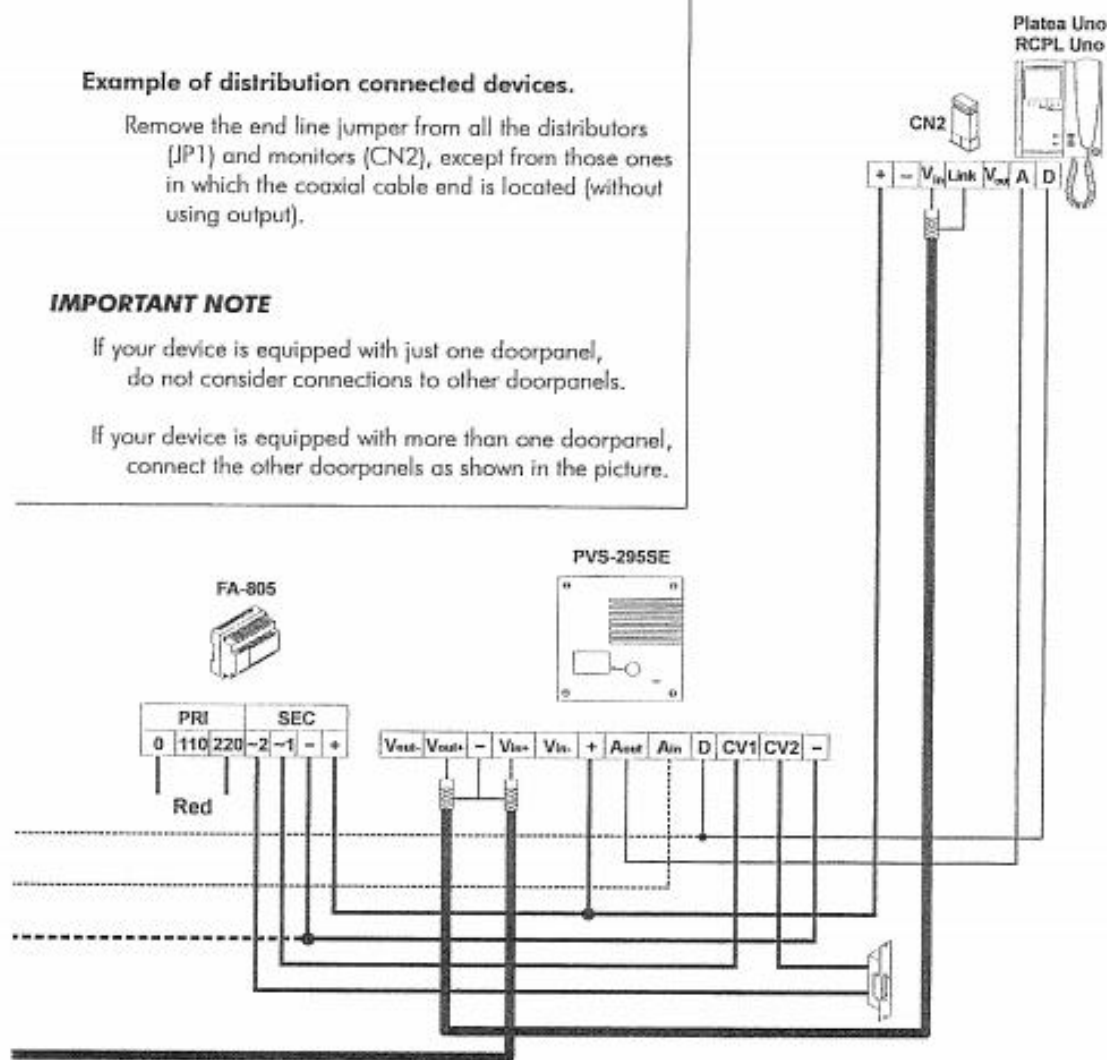
Remove the end line jumper from all the distributors (JP1) and monitors (CN2), except from those ones in which the coaxial cable end is located (without using output).

IMPORTANT NOTE

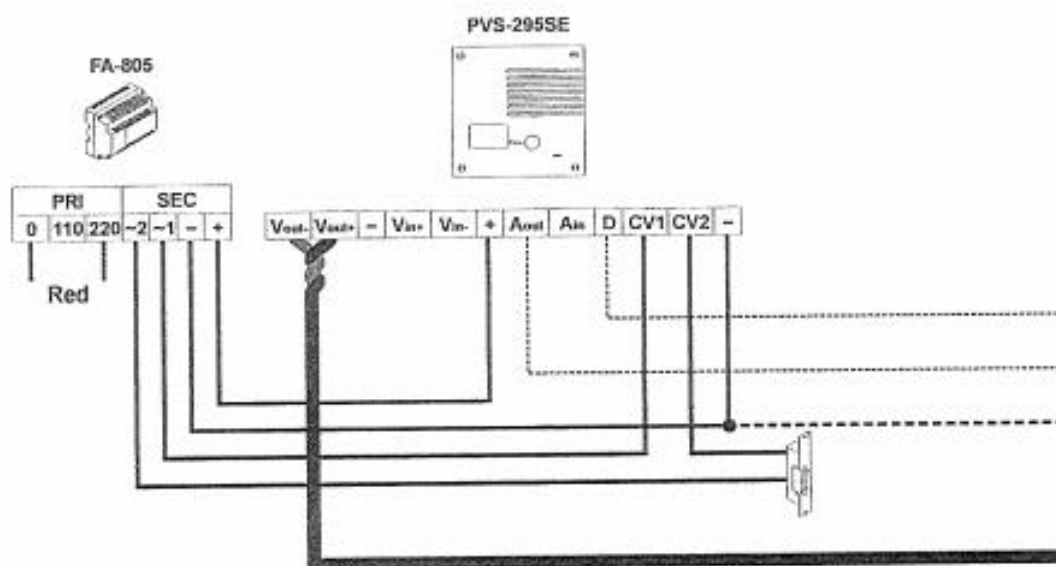
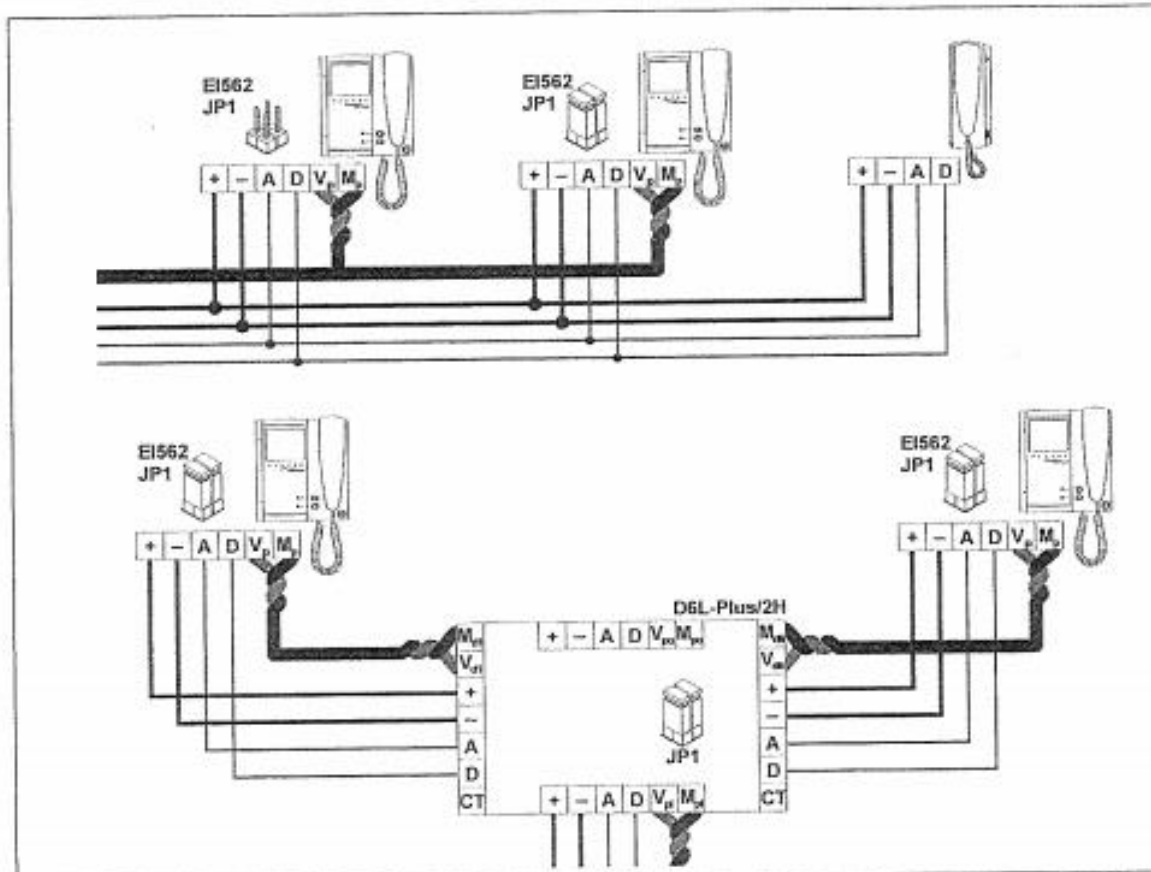
If your device is equipped with just one doorpanel, do not consider connections to other doorpanels.

If your device is equipped with more than one doorpanel, connect the other doorpanels as shown in the picture.

F.A. / Doorpanel / Door opener	Sections up to	
	50m.	100m.
-, +, CV1, CV2	1,00mm ²	2,50mm ²
~1, ~2	1,00mm ²	1,50mm ²
Doorpanel / Monitor	100m.	200m.
-, +	1,00mm ²	2,50mm ²
A, D	0,25mm ²	0,25mm ²
COAXIAL	RG-59	RG-59
TWISTED PAIR	CAT-5	CAT-5



○ ne or more entry doors, alternative current
door opener and twisted pair



Example of cascade connected devices.

Remove jumper JP1 of all Ei562 circuits from monitors (see page 47), except from the one in which the twisted pair end is located.

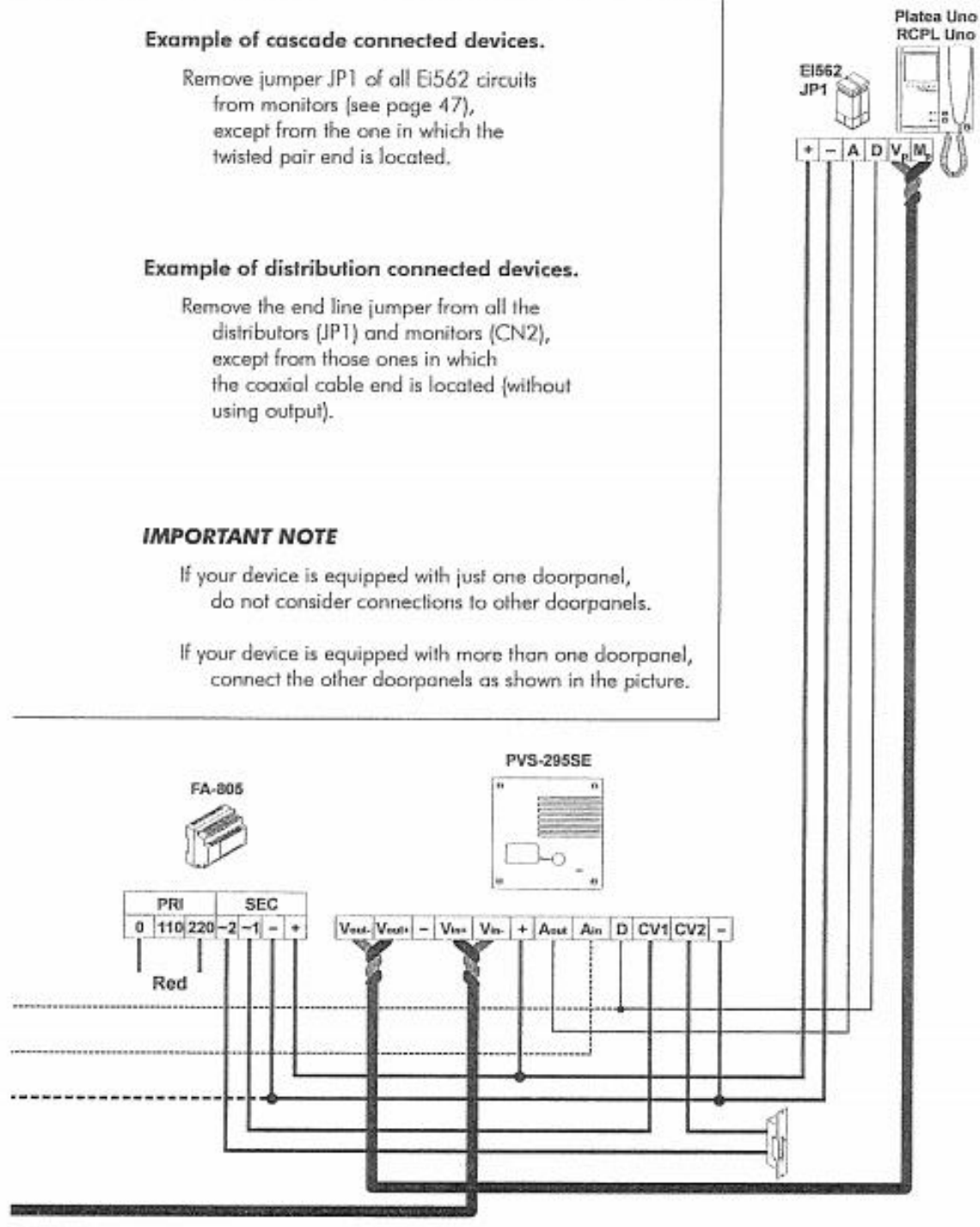
Example of distribution connected devices.

Remove the end line jumper from all the distributors (JP1) and monitors (CN2), except from those ones in which the coaxial cable end is located (without using output).

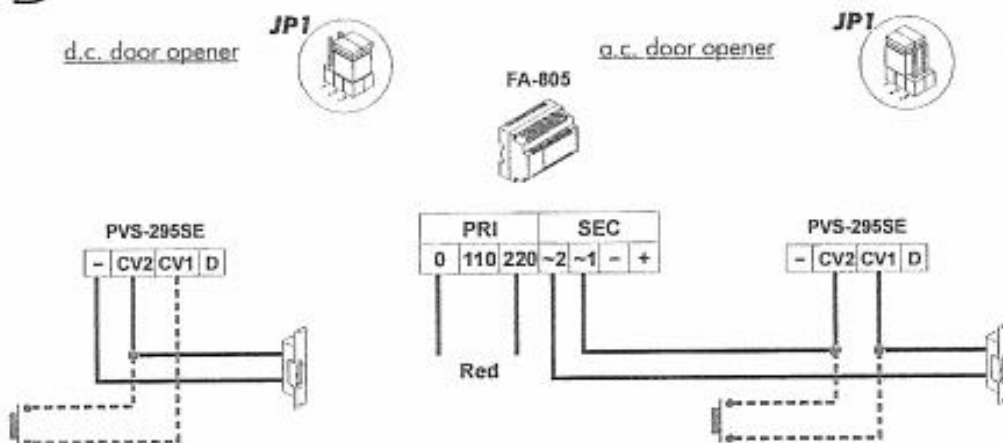
IMPORTANT NOTE

If your device is equipped with just one doorpanel, do not consider connections to other doorpanels.

If your device is equipped with more than one doorpanel, connect the other doorpanels as shown in the picture.



Door opener connection.

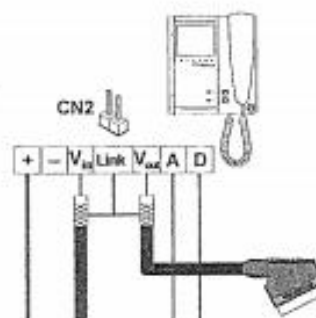


In order to open the door in any moment by means of an external button, connect the button between doorpanel terminals 'CV1' and 'CV2' as shown in the diagram. This function allows the user to exit the building without using any key.

Connection to a television or video of Platea monitor.

If your television or video is equipped with a SCART input, you can see the image of the person who is calling on your television screen through the auxiliary channel. Remove the 75 Ω end line resistor jumper located in CN2 connector from the rear part of the monitor. Connect the coaxial cable to terminal 17 (shield) and 20 (hot) of the SCART

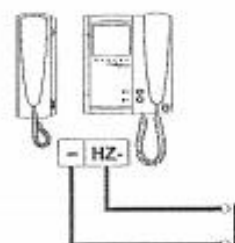
Available only with coaxial installation.



Button to receive calls from the door bell.

Both Platea Uno monitor and T-740 Uno phone, can receive the call from the door door (standard feature), without using the bell. It is necessary to position a button between monitor or phone terminals 'HZ-' and '-'.

Call tones are different according to the place in which the call has been made, so that the user can distinguish it. If, during a conversation by means of the doorpanel, a call from the door door is made, some tones in the handset will indicate this situation.



- Your device does not work.
 - ⊗ Make sure that power supply output tension between terminals '-' and '+' remains between 17,5 and 18,5Vd.c. Otherwise, disconnect the power supply from the system and measure tension again. If it is correct, there is a leakage in the system. Disconnect the power supply from the network and check the system.
 - ⊗ Make sure that terminal 'D' is not short-circuited to terminals '-' or '+'.
 - ⊗ Make sure that terminal 'D' has not been exchanged with 'A' in a part of the system.
- Audio volume inadequate.
 - ⊗ Adjust audio levels following the instructions indicated on page 51. In case of feedback, reduce the volume until it disappears. If the feedback disappears only by reducing volume to a minimum level, probably another problem exists.
- Persisting audio feedback
 - ⊗ Make sure that terminal 'A' is not short-circuited to any other terminal and that it has been properly connected.
- Door opening function cannot be activated.
 - ⊗ Remember that this function can be activated only during calls and communication.
 - ⊗ Make sure that the JP1 jumper located in the rear part of the doorpanel is in a correct position (see page 45).
 - ⊗ Make sure that the connection has been carried out according to the type of door opener installed (see page 57).
 - ⊗ Make a short circuit between doorpanel terminals 'CV1' and 'CV2'; in this moment the value between the door opener terminals should be 12Vd.c. or a.c. (According to the doorpanel configuration, see page 57). In such a case, check door opener condition.
- The door opener remains enabled.
 - ⊗ If you are using an alternative current door opener, check its connection by means of the diagram shown on page 57.
- The device cannot be set up.
 - ⊗ Make sure that number 2 in the configuration microswitch is set to ON (see page 45) and that the program sequence is correct (see pages 49 and 51).
 - ⊗ Make sure that terminal 'D' is not short-circuited to any other terminal
- Some monitors (phones) do not receive calls.
 - ⊗ Remember that each house must be equipped with a unique main terminal. Make sure that the terminal has been properly set up and that it is on.
 - ⊗ Make sure that the master monitor or phone is on.
- The monitor does not show images.
 - ⊗ Make sure that number 44 in the configuration microswitch is set to OFF (see page 45).
 - ⊗ Check the proper connection of coaxial cable or twisted pair by means of the diagrams shown on pages 53 and 56.
- 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 53 and 56, pay particular attention to the cable correct polarity.

CONFORMIDAD/COMPLIANCE/CONFORMITÉ 59

Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto Seguridad Eléctrica **73/23/CEE** y Compatibilidad Electromagnética **89/336/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 Electrical Safety **73/23/ECC**, Electromagnetic Compatibility **89/336/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



Golmar se reserva el derecho a cualquier modificación sin previo aviso.

Golmar se réserve le droit de toute modification sans préavis.

Golmar reserves the right to make any modifications without prior notice.