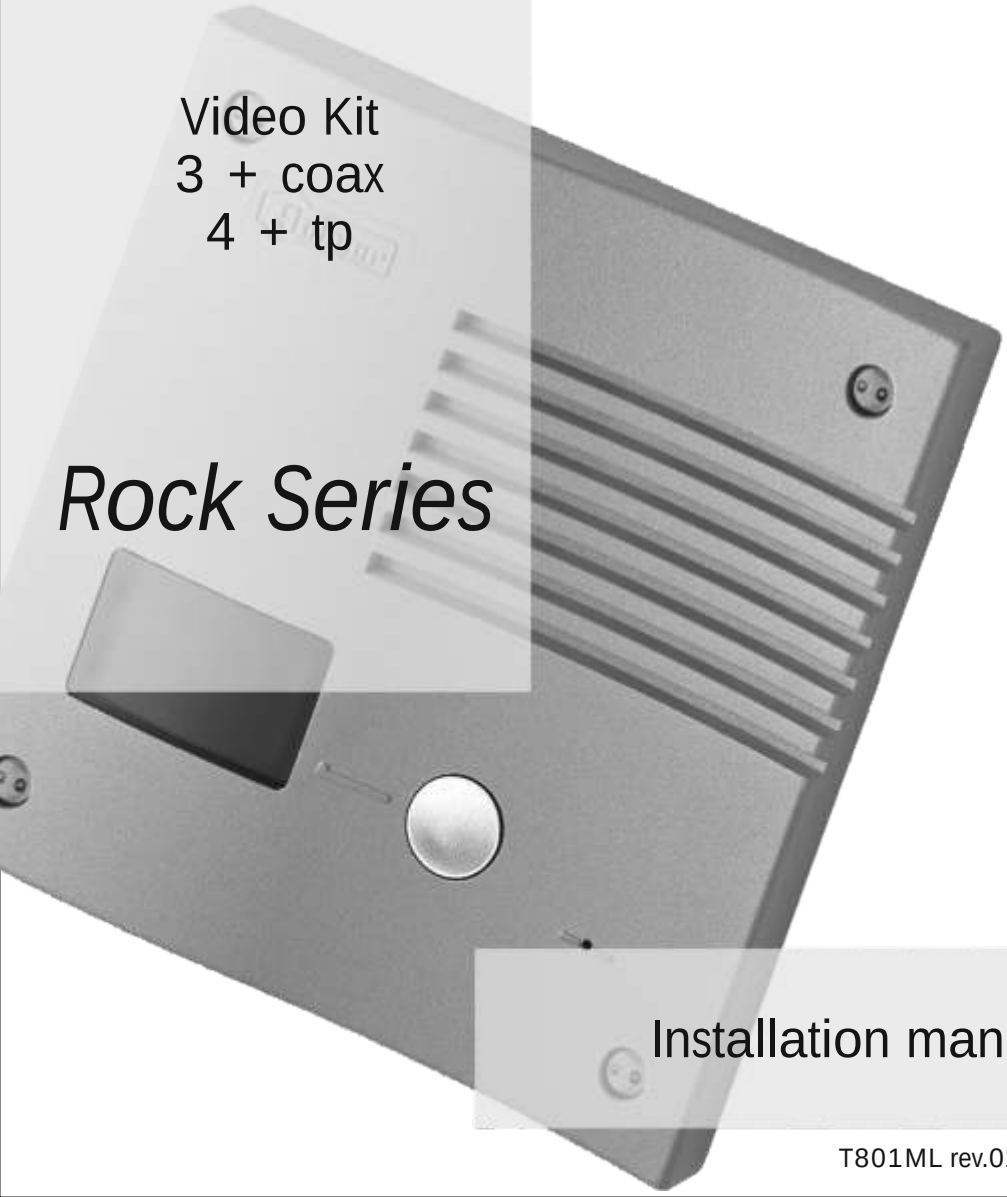
Cód. 50124602

Video Kit
3 + coax
4 + tp

Rock Series



Installation manual

T801ML rev.0113

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, monitors, telephones, and the transformer connection. Do always follow the enclosed information.
- Each time the power supply is restarted, or after a modification, the system will remain blocked during 45 seconds.
- Always use RG-59 B/U MIL C-17 or RG-11 coaxial cables, (see page 80). 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 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 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.

SYSTEM CHARACTERISTICS

- Microprocessed video system with 3 wires+coaxial installation or 4 wires+twisted pair installation without making any change on the doorpanel. Uno technology.
- IP-44 sealed door panel and anti-vandal IK-09.
- Compatible with Tekna Plus monitors and telephones Uno and Plus.
- Compatible with electronic audio systems or video systems with four common wires, three wires + coaxial or four wires + twisted pair installations.
- Unlimited door panel number without using commutation units.
- Combinable with code general entrance panels, up to 250 internal houses.
- Maximum distance between door panel and monitor: 200m.
- Where the distance from the door panel to the last monitor is largest than 200 m, it will be necessary to use the digital repeater RD-Plus/Uno SE.
- Phone tones to confirm call and busy line.
- Temporized door opening for three seconds.
- Direct current or alternative current lock release activated by means of a relay.
- Up to two monitors and one phone in each house without extra power supply.
- In Tekna Plus monitors:
  - Privacy on audio and video communications.
  - "Autoswitch-on" function.
  - "Video-spy" function with the communication channel remaining free.
  - Three-position control for call volume: maximum, medium and minimum.
  - Intercommunication function with other monitor o telephone of the same apartment.
  - Input for external door bell push button.
  - Output for additional call repeater.
  - Call to a master and slave porter's exchange.
  - Panic call to the porter's exchange.
  - Activation of two auxiliary devices: secondary telecamera, courtesy light, ...
  - B/W and Color monitor.
  - Brightness and contrast control (color control in case of color screen).
  - Different call reception tones depending where the call is comming from: main or slave door panels, door bell push button, intercom., ...

Continue

SYSTEM CHARACTERISTICS

Coming from previous page

- With T-740 Plus telephones:
  - Privacy on audio communications.
  - Three-position control for call volume: maximum, medium and off.
  - Input for external door bell push button.
  - Input for external door release push button.
  - Output for additional call repeater.
  - Call to a master porter's exchange.
  - Panic call to the porter's exchange.
  - Allows ones of these functions at once,configuration with dip switch Sw1 (see page 76):
    - "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.
  - Different call reception tones depending where the call is comming from: main or slave door panels, door bell push button, intercom., ...
- With T-740 Uno telephones:
  - Privacy on audio communications.
  - Input for external door bell push button.
  - Call to a master porter's exchange.
  - 2 different call reception tones depending where the call is comming from:door panel and door bell push button.

SYSTEM OPERATION

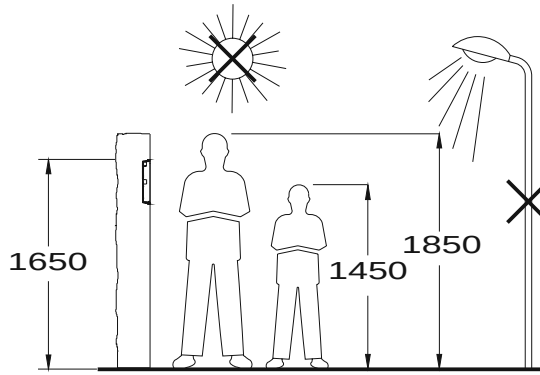
- To make a call, the visitor will have to push the doorpanel button: some acoustic tones will indicate that the call has been done. In this moment, the monitor (phone) of the house receives the call.
- In devices with several entry doors, the other doorpanel(s) will be automatically disconnected: if 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 68, 73 and 76 contain the description of the function buttons.

VERY IMPORTANT NOTE

This device is delivered fully programmed, so that it can be used with its monitor; if an additional monitor or phone is needed, it must be programmed (pages 72, 74 and 78).

If this device is part of a system with general door panels, the door panel and the monitor must be programmed as shown on page 79.

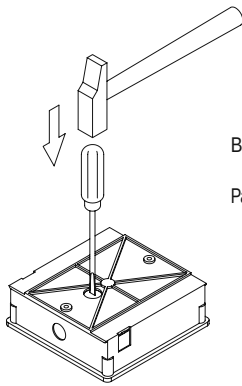
Positioning of the embedding box



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(Height) x 45(Depth) mm.

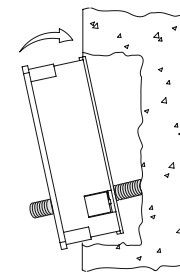
The door panel has been designed to resist several environmental conditions. However, it is better to take additional precautions to ensure a long life for it (rain shields, covered places...). To obtain image maximum quality in video door entry systems, avoid back lighting caused by light sources (sun,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

Installation of the embedding box



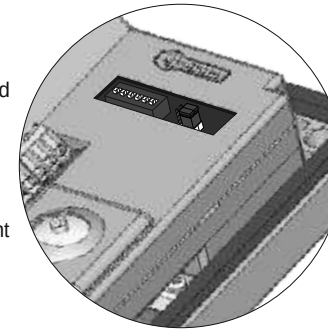
Break the partition wall to enter cables.

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.



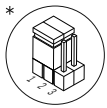
DOOR PANEL INSTALLATION

Door panel configuration.

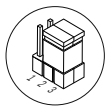


The door panel is provided with microswitches (SW1) and a jumper (JP1) in its rear part; Their functions are described below.

JP1

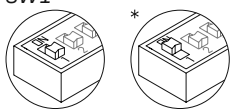


* It allows the connection of an alternative current door opener; page 80 shows the connection diagram.

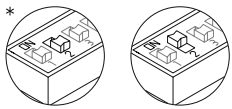


It allows the connection of a direct current door opener; page 80 shows the connection diagram.

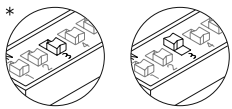
SW1



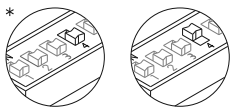
* When this switch is ON, the door panel can autoswitch-on (audio and/or video communication without any call). In buildings with several door panels, just activate this function in one of them. In systems equipped with a general door panel, this function can be activated in one door panel of each detached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



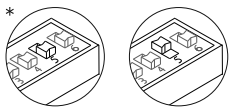
* Select ON for monitors and telephones programming. Once the programming progress is finished return the switch to OFF position. Page 72 describes monitors program method; while pages 74 and 78 describes telephones program method.



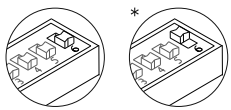
* Select OFF in case of a main door panel. Each system must be equipped with just one main door panel; all the others must be slave door panels (ON). In systems provided with a general door panel, one door panel of each house will be configured as main door panel.



* Select OFF if the door panel is provided with a camera. Select ON if it has no camera.



* With a general door panel, select ON to program the backbone installation. Once the programming progress is finished return the switch to OFF position.
Page 79 describes the program method.



* Equip the installation with a communication resistance. To ensure a correct operation, this resistance must be activated only in the door panel which is the nearest to the backbone installation or in the general door panel (if one exists). If any RD-Plus/Uno SE repeater is used, it must be deactivated in the door panels behind it.

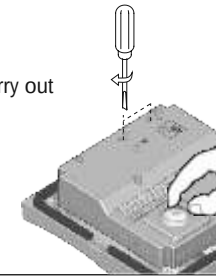
*Factory value

DOOR PANEL INSTALLATION

Final adjustments

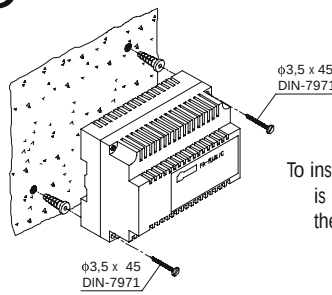
If, when using the device, audio volume is inadequate, it is necessary to carry out some adjustments, as shown in the picture.
The camera is equipped with an horizontal and vertical orientation device. If orientation is not correct, change it.

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



POWER SUPPLY INSTALLATION

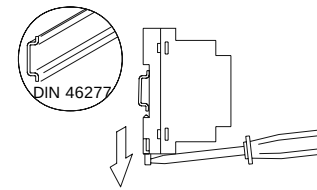
Detail of FA-805 power supply installation.



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 (6 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.

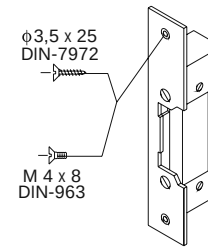


LOCK RELEASE INSTALLATION

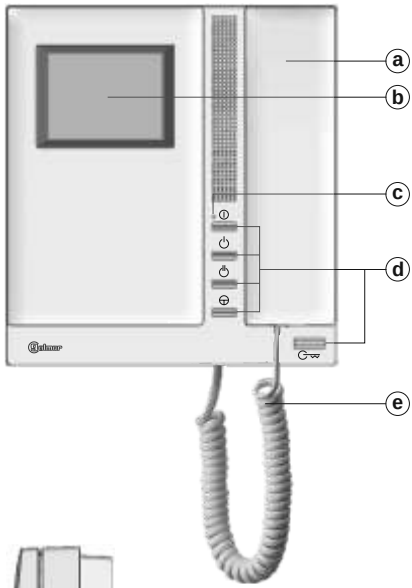
Detail of the lock release installation.

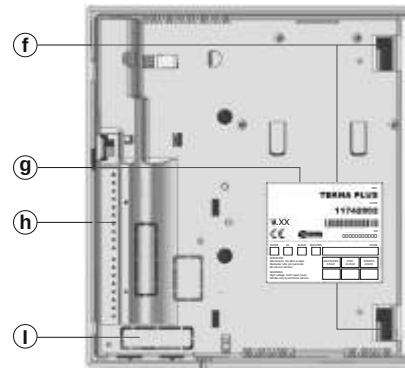
If the lock release must be installed on a metal door, use a 3,5mm drill and thread the hole.
If it must be installed on a wooden door, use a 3mm drill.

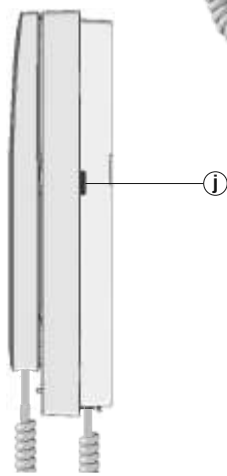
WARNING: See connection diagrams on page 80.

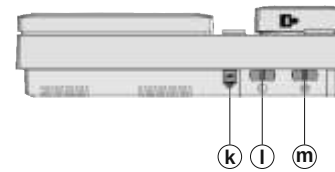


Description of the Tekna Plus monitor.









a. Handset.
b. B/W or color screen (depending on the model).
c. Led to indicate the monitor is On.
d. Function push buttons.
e. Cord.
f . Attachment holes.
g. Identification label.
h. Connecting points.
i . CN4 connector.
j . Three positions call reception volume control.
k. Cable slot.
l . Contrast control (color control in case of color screen).
m. Brightness control.

Function push buttons.

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.

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 (*).

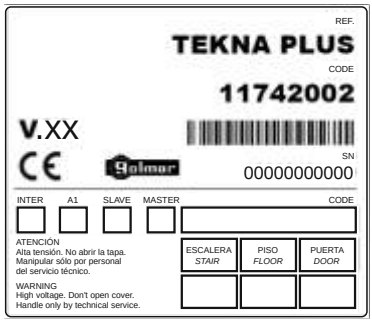
If the handset is on the craddle allows the activation of an optional device. If not, allows to call to a slave porter's exchange (*) or to activate the optional device.

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 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.

(*) Second camera activation and call to a slave porter's exchange functions require an internal modification of the 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: push button code.
STAIR: backbone code (building) (see pages 65 & 79).

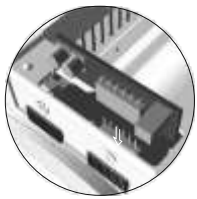
Use of the end of line jumper.

The end of line jumper is located in CN4 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 CN4 connector in the rear part of the monitor.

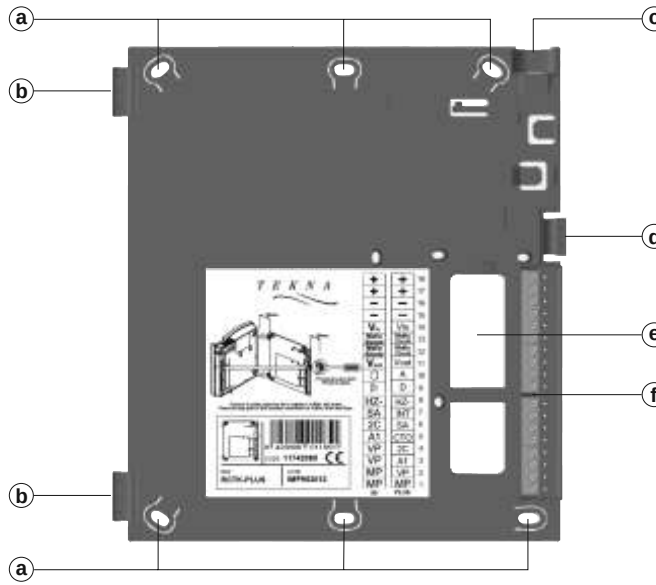
Before plug the EL562 module, remove the existing jumper and the double one (JP1) that´s place on the right side.

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

See the specific installation diagram.

MONITOR CONNECTOR DESCRIPTION

Description of the RCTK-PLUS monitor connector.



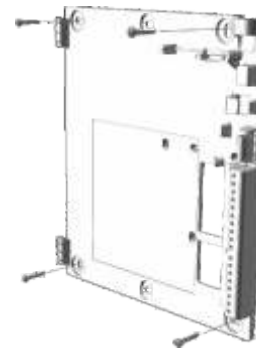
a. Wall attachment hole (x6).
b. Monitor attachment hook (x2).
c. Vertical wiring input.
d. Attachment clip.
e. Wiring input hole.
f. Installation terminals:

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

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.

MONITOR INSTALLATION

Fix the monitor connector to the wall.

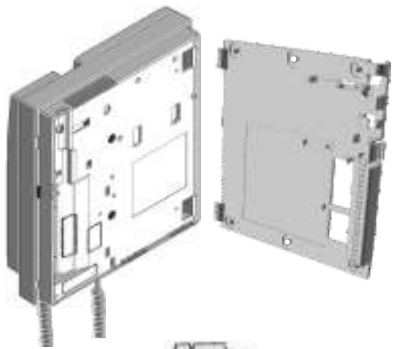


Avoid to place the monitor near to heating sources, in dusty locations or smoky environments.

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.

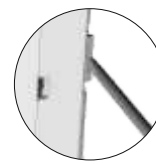
Fix the monitor.



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.



MONITOR PROGRAMMING

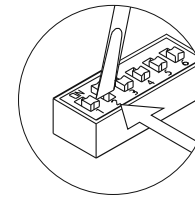
Programming the Tekna Plus monitors.

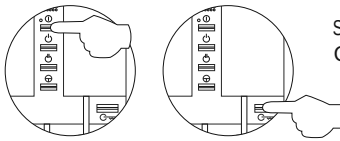
REMEMBER: Monitors must be programmed only in case of installed parallel units or if there are general door panels.

Find the configuration switch located in the rear part of the door panel and set number 2 to ON.

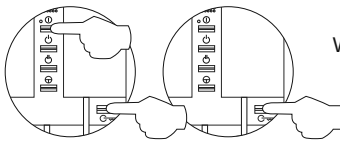
The door panel will produce a tone, indicating that it has entered program mode.

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

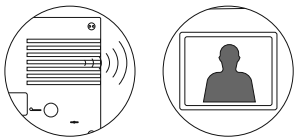




Switch off the monitor to be programmed.
Once the monitor is off, press the door release push button.

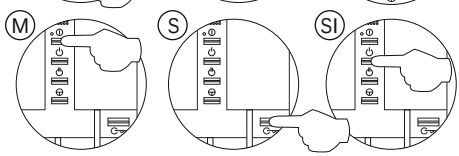


With the door release push button pressed switch on the monitor.



To show that the system is ready for programming, the door panel will reproduce a tone and the picture will appears on the monitor. At this moment, the door release push button can be released. Lift the handset to establish audio communication with the door panel.

Press the door panel push button.
At this moment the door panel will reproduce a tone 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* + *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.

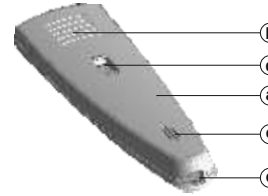
Make a call to check that the monitor has been succesfully programmed. Repeat these steps to program the rest of monitors.

Once the programming has been finished, set to OFF the programming switch. If you don't, the door panel will reproduce a tone to advise that the system is still into programming mode.

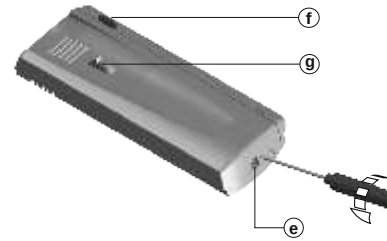
TELEPHONE DESCRIPTION

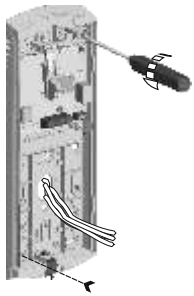
Description of T-740 Uno telephone.

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.

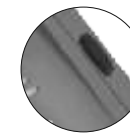
Terminal connector description.

HZ-	–	+	D	A

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

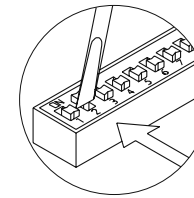
Function button.

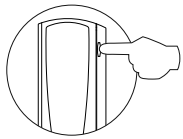
When the handset is lifted, it is possible to make a call to master porter's exchange.
When a call is received or during communication, it enables the lock release.



Programming the T-740 Uno telephones.

Find the configuration switch located in the rear part of the door panel and set number 2 to ON.
The door panel will produce a tone, indicating that it has entered program mode. In systems with more than one door panel, this operation must be carried out only in the main door panel of each building.

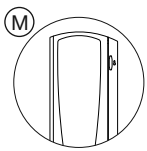


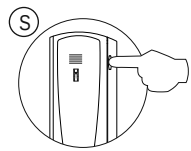


Lift the handset while pressing the lock release push button.

To show that the system is ready for programming, the door panel and handset will reproduce a tone, being possible to stablish audio communication.
Release the lock release push button.

Press the door panel push button.
At this moment the door panel and handset will reproduce a tone.



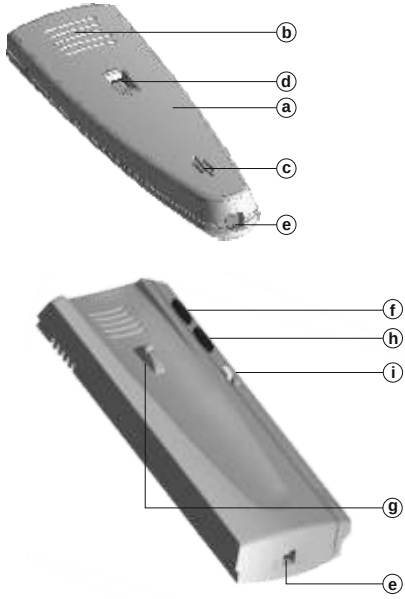


With the handset lifted:
If programming the telephone as *Master*, replace the handset.
If programming it as *Slave*, press the door release push button, then replace the handset.

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

Make a call to check that the telephone has been succesfully programmed.
Repeat these steps to program the rest of telephones.
Once the programming has been finished, set to OFF the programming switch. If you don't, the door panel will reproduce a tone to advise that the system is still into programming mode.

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.

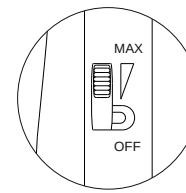
Terminal connector description.

+	–	A	D	AI	–	HZ	SA	+	Int	PA

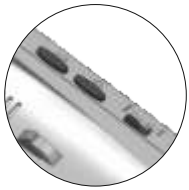
+ , - : Positive, ground.
A , D : Audio, digital communication.
AI : Connection to external door release push button.
HZ : Door bell push button input.
SA : Auxiliary calling device output SAV-90.
INT : Intercom.
PA : Output for aux. relay activation (18Vdc/0,5A max.)

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.



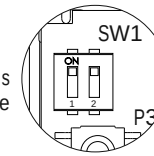
Function push buttons.



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.

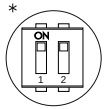
Auxiliary function push button, depending on setting in the SW1 dip switch will realize one of the following functions: Autoswitch-on, "PA" output, call to a slave porter's exchange and intercommunication.

Description of configuration dip switch.

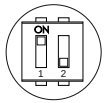


The SW1 configuration dip switch is located in the top part left of the circuit,it is accessed by opening the telephone and allow the next operation modes for the auxiliary function push button:

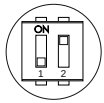
*



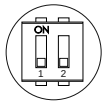
"Autoswitch-on" mode: switches 1 and 2 to ON.
With the handset off the cradle, allows to stablish audio communication with the door panel that has been configured with the autoswitch-on function. This function is disabled if a communication is already established.



"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.

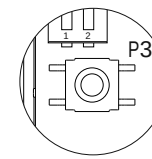


"Intercommunication" mode: switches 1 and 2 to OFF.
With the handset off the cradle, allows to make an intercom call between two units of the same apartment.

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

* Factory default

Description of programming push button.

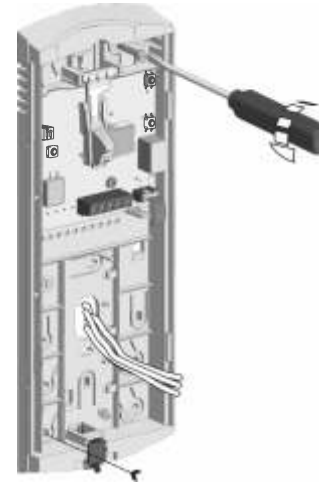


The P3 programm push button is located in the top part left of the circuit,it is accessed by opening the telephone. Allows to telephone enter in programming mode with the door panel, (see programming process on page 78).

TELEPHONE INSTALLATION

Fix the telephone to the wall.

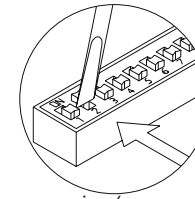
It is necessary to open the telephone for wiring and fixing purposes. To open the telephone, insert a plain screwdriver into the slots and gently lever as shown in the drawing.



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.

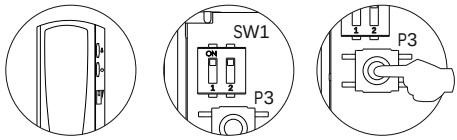
Pass the installation wires through the corresponding hole and connect them as shown on the installation diagrams. Close the telephone as shown on the picture. Once the telephone is closed, connect the handset using the telephone cord and put it on the cradle.

Programming the T-740 Plus telephones.

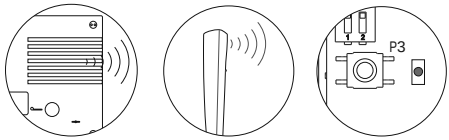


Find the configuration switch located in the rear part of the door panel and set number 2 to ON.

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



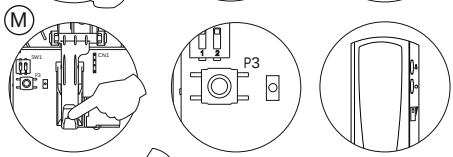
Open the telephone to programming (see page 77). Select in the SW1 dip switch the fuction mode for the auxiliary function push button (see page 76) and later press the P3 programming push-button.



To show that the system is ready for programming, the door panel and the telephone's handset will reproduce a tone (the telephone led will light). Audio communication can be established.

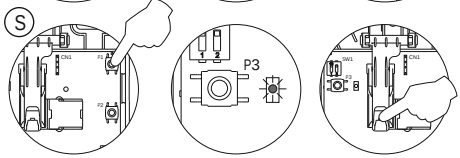
Press the door panel push button:

At this moment both door panel and handset will reproduce tones (the telephone led will slow blink).



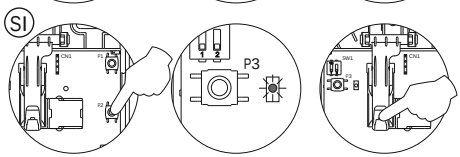
To programm the telephone as *Master*, press the hook switch (the telephone led will off).

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.

Make a call to check that the telephone has been succesfully programmed. Repeat these steps to program the rest of telephones.

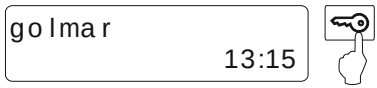
Once the programming has been finished, set to OFF the programming switch. If you don't, the door panel will reproduce a tone to advise that the system is still into programming mode.

BACKBONE CODE PROGRAMMING

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

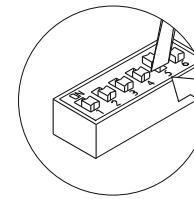
NOTE: For this type of installation, please contact the technical trade department of Golmar.

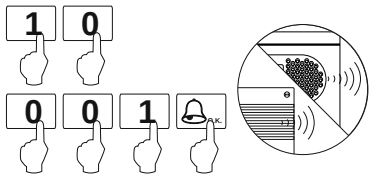
Backbone code programming.



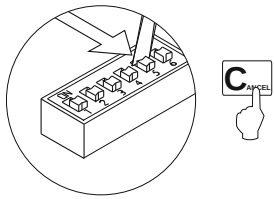
The general door panel enters programming mode after pressing the key button and inserting the installer secret code (factory value 1315).

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





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



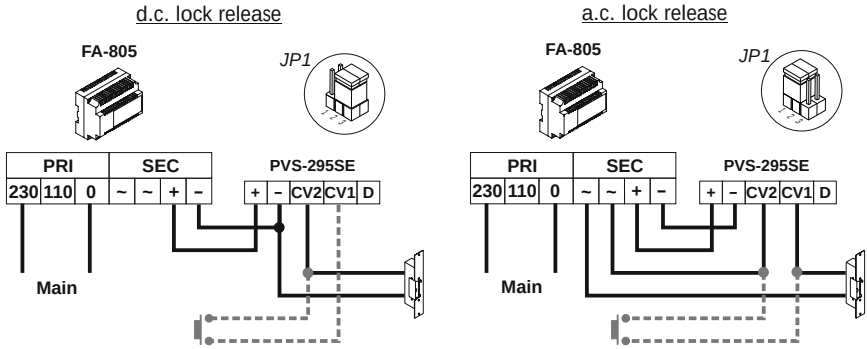
In order to exit program mode, set microswitch number 5 of the detached house door panel to OFF and press “C” button of the general door panel.

After programming the backbone, program monitors and telephones following the instructions shown on page 72, 74 and 78.
Program all the other door panels in the same way.
Do NOT program more than one house door panel at the same time.

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

INSTALLATION DIAGRAMS

Lock release connection.



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

Sections chart.

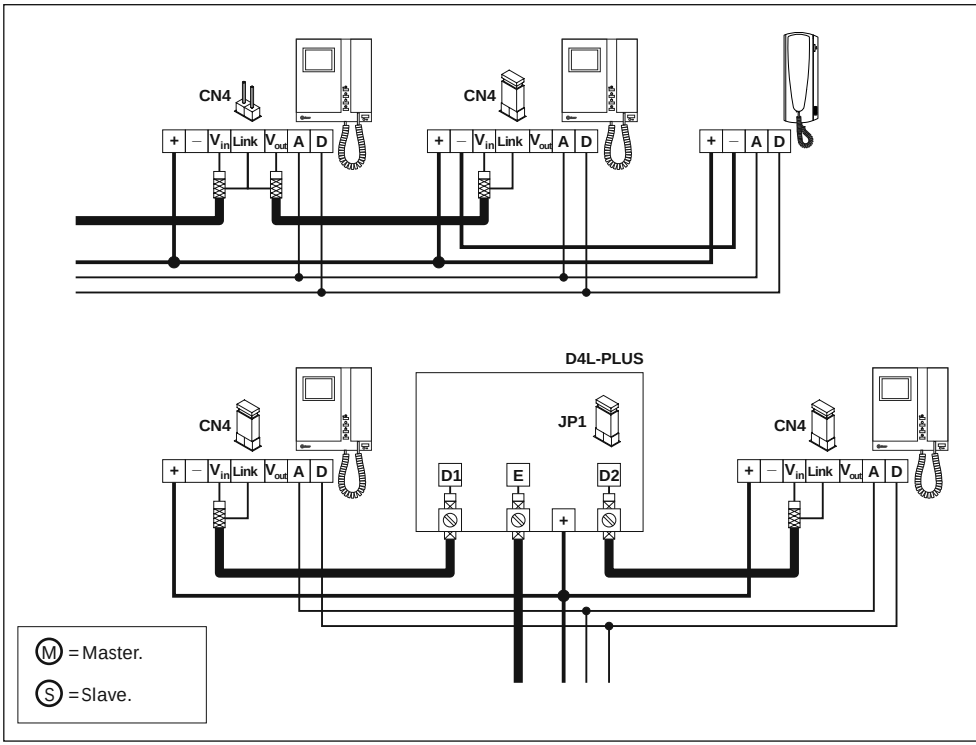
	Sections up to	
Power supply / Door panel / Lock release	50m.	100m.
+, –, CV1, CV2	1,00mm²	2,50mm²
~	1,00mm²	1,50mm²
Door panel / Monitor	100m.	200m.
–, +	1,00mm²	2,50mm²
A_{in}, A_{out}, A, D	0,25mm²	0,25mm²
V_{in+}, V_{out+} (Coaxial)	* RG-59	* RG-59
$V_{in+,-}$, $V_{out+,-}$, $V_{p,d,}$ $M_{p,d}$ (Twisted pair)	CAT-5	CAT-5

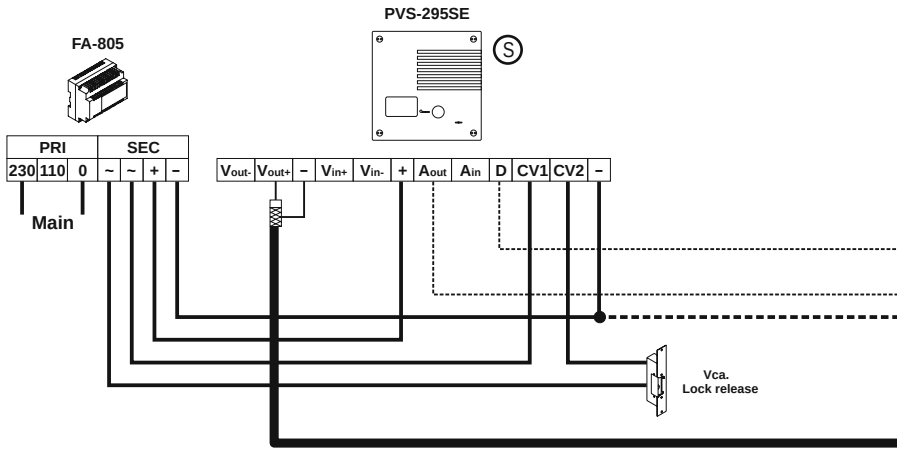
Coaxial cable characteristics RG-59 B/U MIL C-17.

*

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

One or more accesses, alternative current lock release and coaxial cable.





Example of cascade connected devices

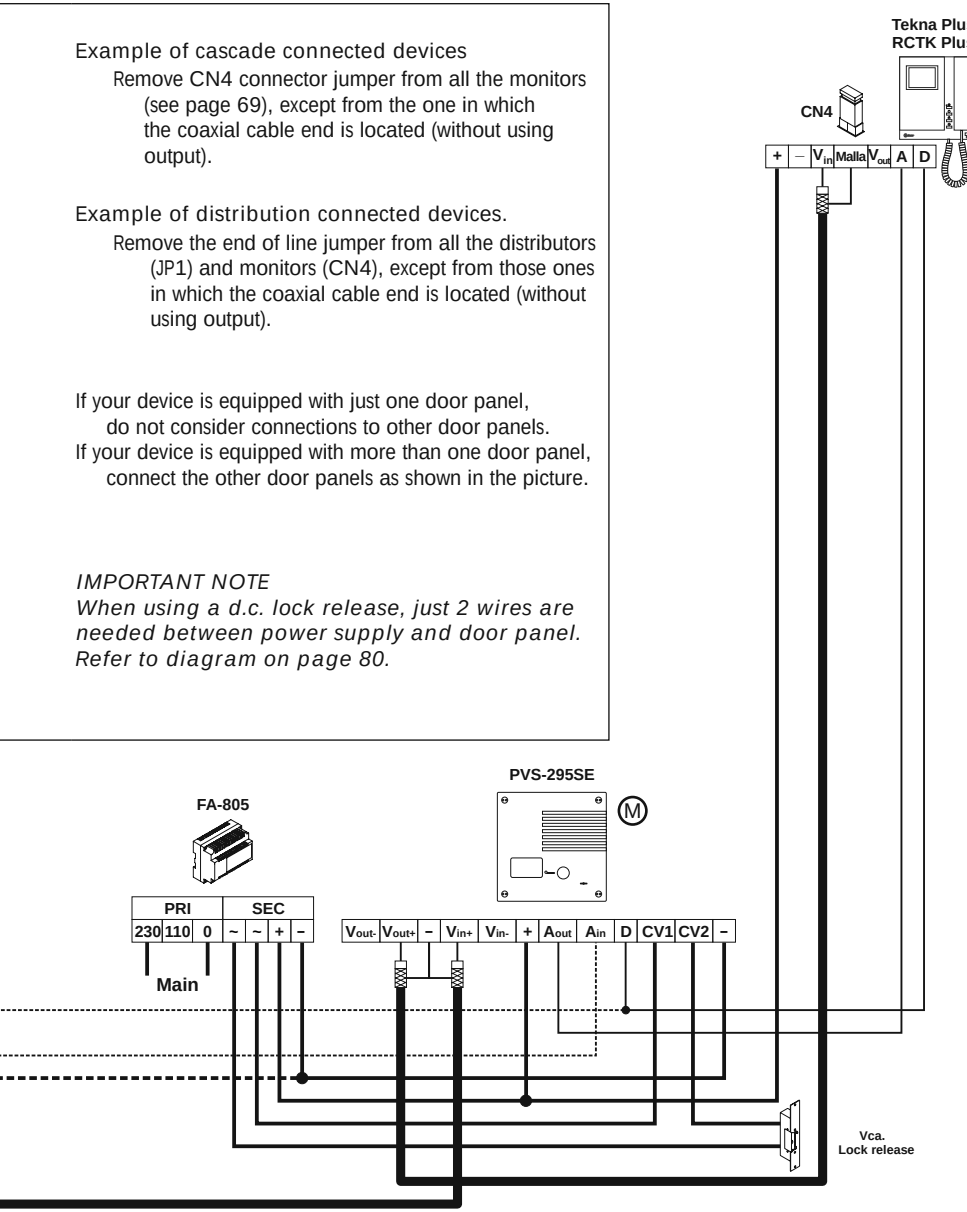
Remove CN4 connector jumper from all the monitors (see page 69), except from the one in which the coaxial cable end is located (without using output).

Example of distribution connected devices.

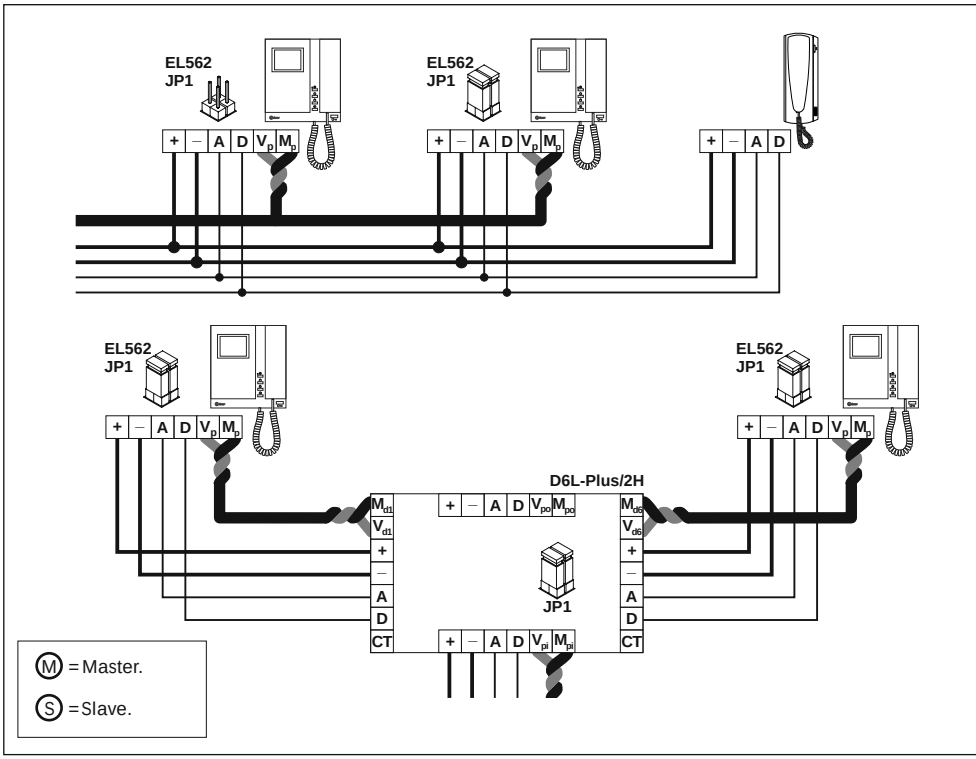
Remove the end of line jumper from all the distributors (JP1) and monitors (CN4), except from those ones in which the coaxial cable end is located (without using output).

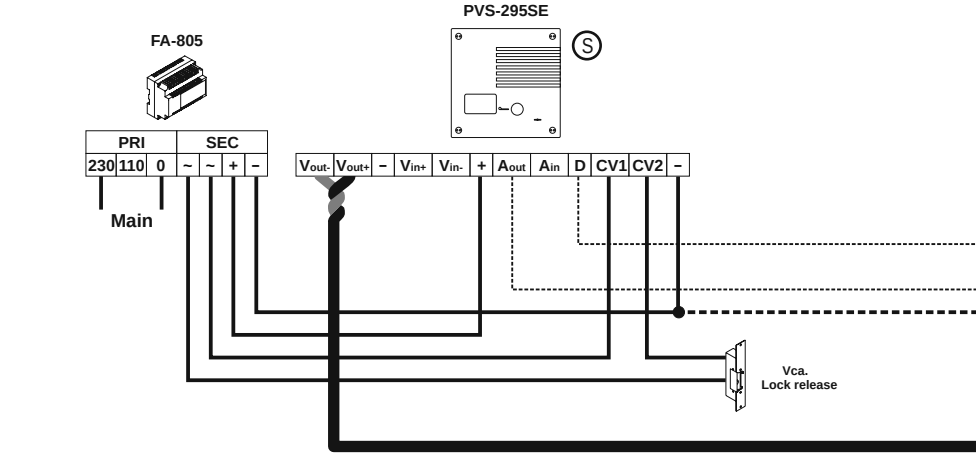
If your device is equipped with just one door panel, do not consider connections to other door panels.
If your device is equipped with more than one door panel, connect the other door panels as shown in the picture.

IMPORTANT NOTE
When using a d.c. lock release, just 2 wires are needed between power supply and door panel. Refer to diagram on page 80.



One or more accesses, alternative current lock release and twisted pair.





Example of cascade connected devices.

Remove jumper JP1 of all EL562 circuits from monitors (see page 69), except from the one in which the twisted pair end is located.

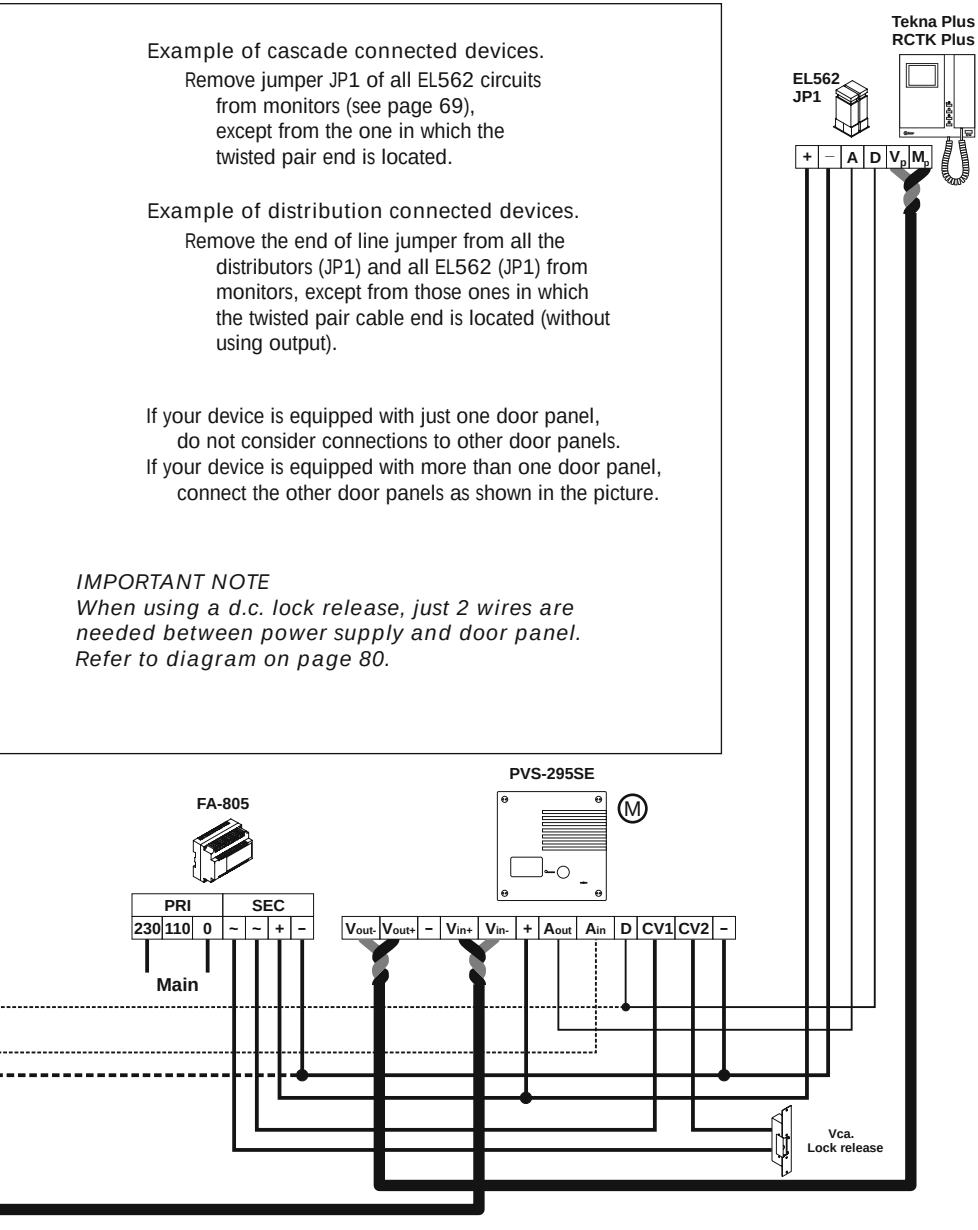
Example of distribution connected devices.

Remove the end of line jumper from all the distributors (JP1) and all EL562 (JP1) from monitors, except from those ones in which the twisted pair cable end is located (without using output).

If your device is equipped with just one door panel, do not consider connections to other door panels.

If your device is equipped with more than one door panel, connect the other door panels as shown in the picture.

IMPORTANT NOTE
When using a d.c. lock release, just 2 wires are needed between power supply and door panel.
Refer to diagram on page 80.

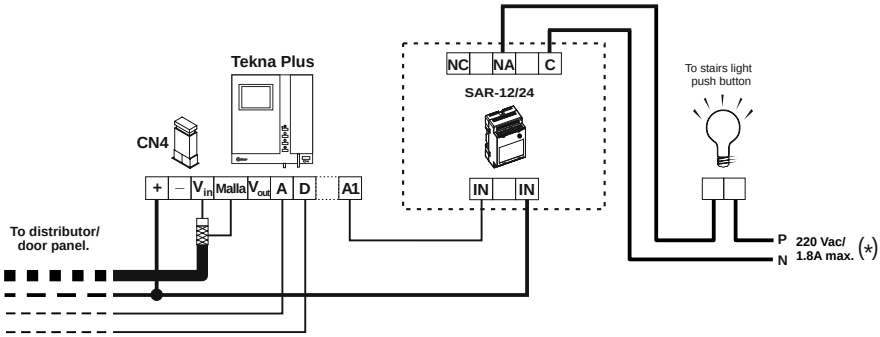


Auxiliary devices activation with Tekna Plus monitor.

To activate auxiliary devices the use of a SAR-12/24 relay unit will be required. If this device is shared for all the Tekna Plus 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.

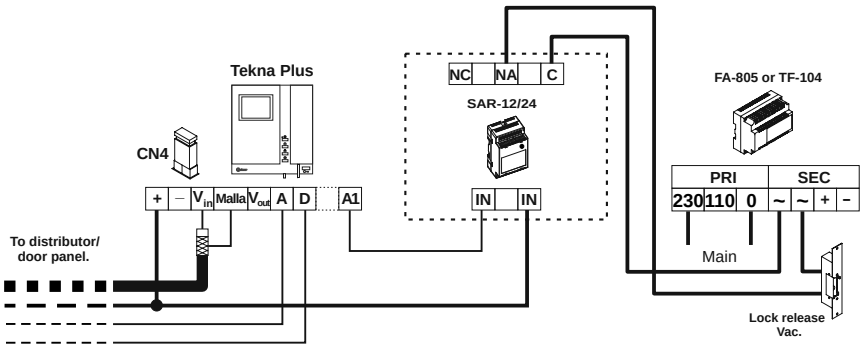
To activate this function, press ⏻ monitor push button at any moment with no dependence of the handset position.

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 FA-805 power supply (maximum current 0,8A) or TF-104 transformer (maximum current 1,5A) will be necessary to activate a second lock release.



Activation of a second camera.

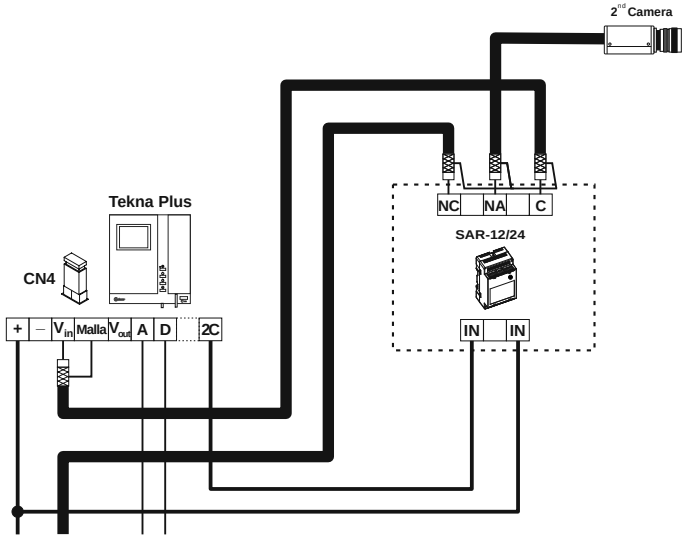
The use of a SAR-12/24 relay will be required to activate a second camera and an internal modification on the monitor shall be done, as it's described on page 68. This facility disables the intercom function. If both functions are required, use A1 terminal to activate the second camera.

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 Tekna Plus 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 2C terminal is used.

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

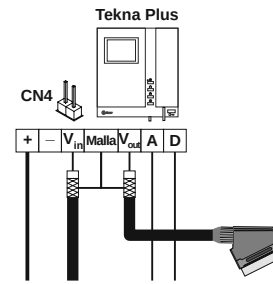


Connecting the Tekna Plus monitor to a video recorder or TV.

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 75Ω end line resistor jumper located in CN4 connector from the rear part of the monitor. Connect the coaxial cable to terminal 17 (shield) and 20 (hot) of the SCART connector.

Available only with coaxial installation.



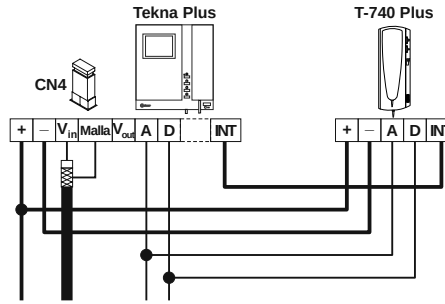
Intercom function.

Tekna Plus monitor and (*) T-740Plus telephone 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 72 and 78. 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.

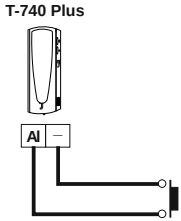
The reproduced acoustic tones are different depending on their provenance, that allows the user to distinguish where the call is made from.



* IMPORTANT: The T-740 Plus telephone must be configured with SW1 dip switch in "Intercom" mode function (see page 76).

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.



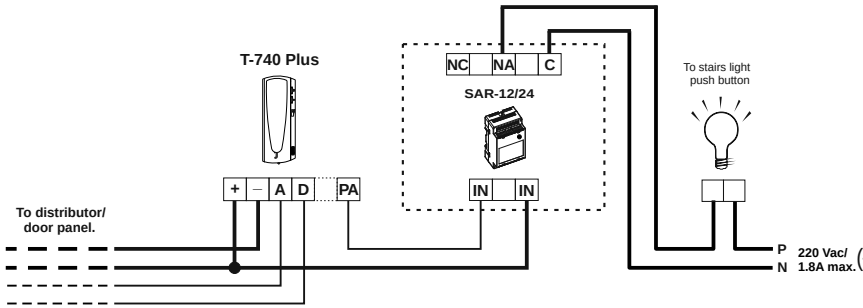
Auxiliary devices activation with T-740 Plus telephone.

First the T-740 Plus telephone must be configured with SW1 dip switch in "PA" output mode function (see page 76).

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, ...

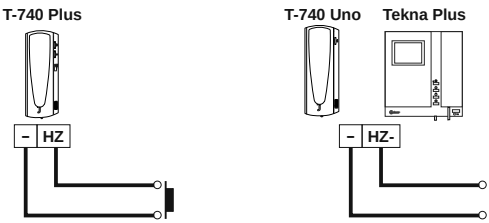


(*) The neutral supply from the stairs light will be wired through the relay contacts SAR-12/24, the maximum current for stairs light will be 1.8A.

Door bell push button connection.

The Tekna Plus monitor and the T-740 Plus and T-740 Uno telephones 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.



- 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 short circuit in the installation. Disconnect the power supply from the network and check the installation.
  - 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 66. 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 door panel is in a correct position (see page 65).
  - Make sure that the connection has been carried out acccording to the type of lock release installed (see page 80).
  - Make a short circuit between door panel terminals 'CV1' and 'CV2'; in this moment the value between the lock release terminals should be 12Vd.c. or a.c. (According to the door panel configuration, see page 80). In such a case, check lock release condition.
- The lock release remains enabled.
  - If you are using an alternative current door opener, check its connection by means of the diagram shown on page 80.
- The device cannot be programmed.
  - Make sure that number 2 in the configuration switch is set to ON (see page 65) and that the program sequence is correct (see pages 72, 74 and 78).
  - 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 programmed 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 4 in the configuration switch is set to OFF (see page 65).
  - Check the proper connection of coaxial cable or twisted pair by means of the diagrams shown on pages 81 and 84.
- 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 81 and 84, pay particular attention to the cable correct polarity.

NOTAS/NOTES

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 Marcado 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.

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