



Porter's exchange
digital installation

CETK-590 Plus



Instructions manual

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

Introduction.....	2	Programming menus	12-18
Index	2	Resident text writing	19
Starting recommendations.....	2	Fast resident search	19
Safety precautions	3	Power supply installation.....	20
System characteristics	3	Power supply linking.....	20
Notes for systems with door panels	3	T-940 Plus telephone	20
System operation.....	4-5	Description	21
Porter's exchanges		Function push buttons.....	21
Description	6	Telephone installation.....	22
Function push buttons.....	7	Programming	23
Identifying label	7	Optional connections	
Sw2 configuration dip-switch.....	8	Telephones intercommunication	24
Clock battery.....	8	Door bell push button connection.....	24
Memory banks.....	9	Two porter's exchanges systems	25
End of line resistor	9	Installation diagrams	
EL562 module.....	9	Audio installation.....	26-27
RCTK-PLUS connector description	10	Video installation with coaxial	28-29
Fix the porter's exchange	11	Video installation w/o coaxial	30-31
Porter's exchange programming		General entrance installation	32-35

STARTING RECOMMENDATIONS

- ☞ 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 power supply connector screws.
- ☞ Before to connect the system, check all connections. 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 64). **Never use coaxial antenna cable**. In installations no longer than 100m., **Golmar RAP-5130** cable can be used.

- ☞ 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 environments.
 - ⌚ 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.
- ☞ Porter's exchange:
 - ⌚ Do not use excessive force when tightening the connector screws.
 - ⌚ Install the porter's exchange 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 environments.
 - ⌚ 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

- ☞ 3.5" TFT colour screen.
- ☞ Menu and OSD messages on screen.
- ☞ Management of up to 255 internal buildings of 1,000 apartments each.
- ☞ Up to 2 porter's exchanges in one system.
- ☞ New programming menu structure.
- ☞ Direct Call Code that allows to use a different call code from the one recorded on the monitor or telephone (page 49).
- ☞ 'Insert resident' function, that allows to keep sorted the repertory content (page 52).
- ☞ Text edition using the keypad as a mobile phone (page 54).
- ☞ It allows to activate/deactivate the clock battery using the menu, (factory default: deactivate).
- ☞ Intercom function between 2 porter's exchanges.
- ☞ New MEMEDIT software "Ver. 4.0" for USB connector, that allows to program porter's exchange using a computer. **Important:** Necessary USB communication printer cable (USB-A Male to USB-B Male), is not supplied with the equipment.
- ☞ Compatible with previous porter's exchange CE-990 Plus.

NOTES FOR SYSTEMS WITH DOOR PANELS

- ☞ Monitors and telephones should be programmed from the door panel, as it's explained on the corresponding instruction manuals. Once the programming is done, make a call from each apartment to the porter's exchange: the display will show the assigned code.
- ☞ Use this instructions manual to program the porter's exchange and for system wiring purposes.
- ☞ Refer to the door panel instructions manual for troubleshooting hints.
- ☞ On systems with general entrance door panel(s), the porter's exchange(s) must be also general (common to all the internal buildings). Consequently, the porter's exchange cannot be connected in a internal building (for private use of the internal building), as it's shown on the schematic diagrams (pages 67 to 70).

Calling from the door panel to an apartment.

- ☞ This procedure is detailed on the instruction manual included with the door panel.
- ☞ If the "capture panel calls" function (page 48) has been activated, the call will be received on the porter's exchange: it will be possible to transfer the call to the corresponding apartment after tenant agreement. If the porter's exchange is switched off, the call will be received at the corresponding apartment.

Calling from the door panel to the porter's exchange.

- ☞ The porter's exchange can be programmed with an address (see page 48), that allows to call to the porter's exchange as if it was an apartment.
In systems with several access doors, the other(s) door panel(s) will be automatically disconnected. In systems with general entrance door panel(s), these panels will be disconnected, remaining the internal building door panels free.
- ☞ The porter's exchange display will show the message *DOOR INCOMING CALL*: in case of video systems, the picture will appear on the screen without the visitor being aware of this. If the call is not answered in 45 seconds, the system will be freed.
- ☞ To establish communication pick up the porter's exchange handset. The communication will last for one and a half minutes or until the handset is replaced. During the communication the porter's exchange display will show the message *COMMUNICATION WITH DOOR PANEL*. Once the communication has finished the system will be freed.
- ☞ To open the door, press the door release push button at any moment: with one press, the door release operates during three seconds. During the lock release activation an acoustic tone will be heard and the porter's exchange display will show the message *DOOR OPENED*.

Transferring a door panel call from the porter's exchange.

- ☞ During communication with the door panel, the porter's exchange can transfer the communication to an apartment. While in communication, enter the apartment code or use the arrow keys to look for the tenant on the resident list: confirm the call by pressing 'OK' key. At this moment the call tone will be reproduced on the monitor (telephone) during three seconds: after this time (on video systems only), the picture will appear on the master monitor without the visitor being aware of this. To communicate the apartment with the door panel, replace the porter's exchange handset. At this moment, the porter's exchange display will show the message *SYSTEM IS BUSY*.
If the tenant don't want to communicate with the visitor, replace the apartment handset: at this moment the communication will be restored between the porter's exchange and the door panel. During call and communication progresses between the porter's exchange and the apartment, the door panel remains on hold, being not possible to hear any conversation.

Use of the resident list.

- ☞ If the porter don't know the code of the apartment he wishes to contact, he could find it on the repertory name by searching through the arrow keys. Once the code has been found, the call can be made by pressing the 'OK' key. Refer to page 54 for details about fast resident list searching.

Calling from the porter's exchange to an apartment.

- ☞ To make a call, the porter should pick up the handset and key-in the code corresponding to the apartment he wishes to contact: the porter's exchange display will show the sequence keyed-in. Once the code has been introduced, press 'OK' key to confirm the call: acoustic tones will be heard confirming the call is in progress and the porter's exchange display will show the message *CALL IS IN PROGRESS*. At this moment the call will be received at the monitor (telephone) in the dwelling. If an incorrect code has been keyed-in, press CANCEL key and try again.

Coming from previous page

In systems combined with door panel(s), the door panel(s) will be automatically disconnected. In systems with general door panel(s), will be those who remain unconnected: if a visitor tries to call, an acoustic tone will be heard confirming the system is busy.


If the call is not answered in 45 seconds, the system will be freed.

- ⇨ To establish communication pick up the monitor (telephone) handset. The communication will last for one and a half minutes or until one of the handsets is replaced. During the communication the porter's exchange display will show the message **COMMUNICATION**. Once the communication has finished the system will be freed.

Calling from an apartment to the porter's exchange.

- ⇨ To make a call, pick up the apartment handset and press the lock release push button: acoustic tones will be heard confirming the call is in progress or that a communication is already established. At this moment, the porter's exchange receives the call: the porter's exchange display will show the information corresponding to the caller. If the call is not answered in 45 seconds, the lost call will be memorized on the porter's exchange and the led will also blink.
- ⇨ To establish communication pick up the porter's exchange handset. The communication will last for one and a half minutes or until one of the handsets is replaced. During the communication the porter's exchange display will show the message **COMMUNICATION**. Once the communication has finished the system will be freed.
- ⇨ If the call is made with the handset on the cradle, the porter's exchange will recognize the call as a panic call; the porter's exchange will show the message **PANIC ALERT** and the information corresponding to the caller. For panic calls recognition, the corresponding function on the configuration menu must be activated (page 49). This type of calls must be answered from the retentions screen.

Calls retention memory.

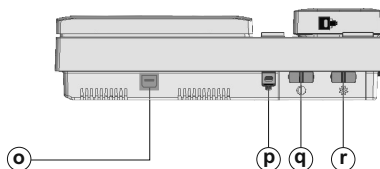
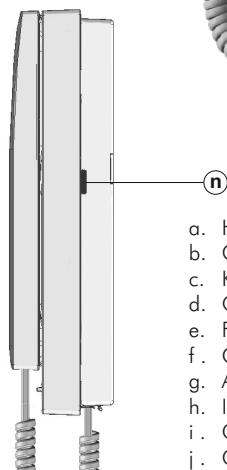
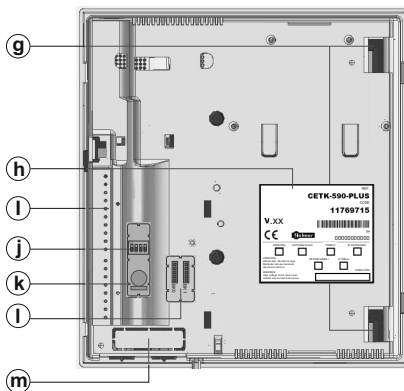
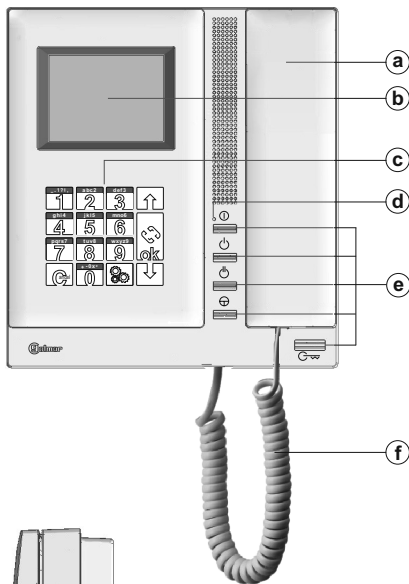
- ⇨ The porter's exchange has a memory for up to 99 unattended calls, both panic and normal calls. For calls retention feature, the corresponding function on the configuration menu must be activated (page 49). During standby conditions, the porter's exchange display shows the retentions number cyclically (every 45 seconds).
- ⇨ Press DOWN arrow key to check for unattended calls: the display will show the last retained call. Use arrow keys to look for other lost calls. The display shows the type of call (Panic or no Rmal call), the reception hour and the caller information.
- ⇨ To answer an unattended call proceed as follows: pick up the handset and look for the desired retention as it is explained on the previous paragraph. Press the 'OK' key to call to the corresponding apartment. Once the call is made, the porter's exchange deletes this retention from memory.
- ⇨ The consecutive unattended calls, that come from the same apartment, aren't memorized.
- ⇨ To delete a retained call, look for the desired retention and press  button.

Systems with two porter's exchanges.

- ⇨ The operation of systems with two porter's exchanges is detailed on page 60.

PORTER'S EXCHANGE DESCRIPTION

Description of the CETK-590 Plus porter's exchange.



- a. Handset.
- b. Color screen.
- c. Keypad.
- d. On-Off light indicator.
- e. Function push buttons.
- f. Cord.
- g. Attachment holes.
- h. Identification label.
- i. Connecting points.
- j. Configuration dip-switch.
- k. Clock battery.
- l. Memory banks.
- m. Cn3 connector.
- n. Three positions call reception volume control.
- o. USB Connector, allows to program porter's exchange using a computer with MEMEDIT software "Ver.4.0". Necessary USB communication printer cable (USB-A Male to USB-B Male), is not supplied with the equipment.
- p. Cable slot.
- q. Color control.
- r. Brightness control.

Function push buttons.



On-Off push button. If the "Protected Mode" function is enabled (page 48), it shall be necessary to introduce the user code to switch on the porter's exchange.



If the handset is on the cradle no function is activated. If not, allows to make an intercom call to the other porter's exchange (if exists). The intercom function is described on page 60.



Regardless of the handset position, activates the 'OA1' output relay (see page 45).





If the handset is on the cradle 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.



During standby status and with no dependence of the handset position, activates the lock release of the master door panel. During call reception and communication progresses allows the lock release activation of the calling door panel.

Lock release activation is only available when systems with door panel(s).

Description of the identification label.

				REF.
CETK-590-PLUS				CODE
11769715				
V.XX				SN
CE				00000000000
PRINCIPAL <input type="checkbox"/>	CAPTURA PLACA <input type="checkbox"/>	PÁNICO <input type="checkbox"/>	M. PROTEGIDO <input type="checkbox"/>	
ATENCIÓN Alta tensión. No abrir la tapa. Manipular sólo por personal del servicio técnico.		RETENCIONES - <input type="checkbox"/>	2ª TABLA <input type="checkbox"/>	DIRECCION <input type="text"/>
WARNING High voltage. Don't open cover. Handle only by technical service.				

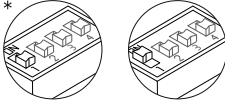
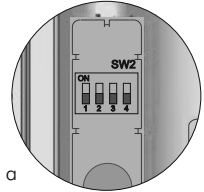
For an easiest repair or replacement of an existing porter's exchange, fill the indentifying label information.

PRINCIPAL: master exchange (page 48).
M. PROTEGIDO: protected mode enabled (page 48).
CAPTURE PANEL: capture door panel calls (page 48).
2 TABLA: direct call code enabled (page 49).
PANICO: show panic calls (page 49).
RETENCIONES: memorize missed calls (page 49).
DIRECCION: porter's exchange dial code (page 48).

D

escription of the Sw2 configuration dip- switch.

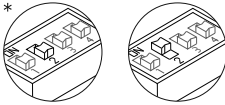
The Sw2 configuration dip-switch is located at the lower left side of the back of the porter's exchange.



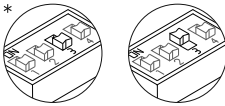
Uno System, loads the installation with a communications resistor **Uno**. For a proper system operation, set to ON only in the closest door panel to the backbone installation, placed the rest to OFF. If not there are door panels, set to ON only in the closest porter's exchange to the backbone installation.

With digital repeater RDPlus-UnoSE:

In the backbone installation or after the inner door panel in systems with general door panels, placed the door panel/s and porter's exchange to OFF.

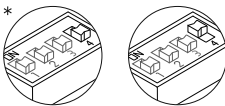


Plus System, loads the installation with a communications resistor **Plus**. For a proper system operation, placed to ON only in the closest door panel to the backbone installation or in the general door panel (if exists), set the rest to OFF. If not there are door panels, set to ON only in the closest porter's exchange to the backbone installation.



Allows to reset the administrator PIN code (see page 11) to the factory default. Use this function only in case to forget this code.

To proceed: disassemble the porter's exchange from the connector and set the dip-switch to ON, then place the porter's exchange to the connector, the message **RESET SWITCH IS ON** will appear on screen, when the message disappears disassemble the porter's exchange again and set the dip-switch to OFF; place the porter's exchange to the connector (the PIN code is now the factory default).



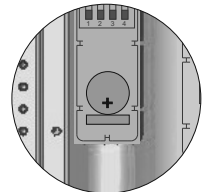
Not used.

*Factory default.

D

escription of the clock battery.

The first time that the porter's exchange is connected to the installation, it is necessary to activate the function 'enable clock battery' by means of the programming menu, (see page 49).



If the hour is lost in porter's exchange due to a cut-off of electricity, check that the function 'enable clock battery' in the programming menu is activated (see page 49). If this is correct, it will be necessary to replace the battery.

Replacement battery: Golmar code (50121403 battery CR1220).

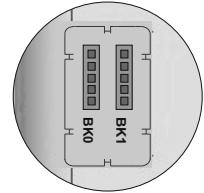
Important: When replacing the battery, check the polarity, as it is shown on the drawing.

Description of the memory banks.

The porter's exchange has two memory banks to plug 256Kb memory modules in. Each module allows to record the custom text for a maximum of 1000 users.

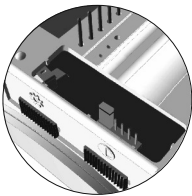
The system is delivered with one memory module placed in the bank number 0 (BK0), where the system configuration will be recorded. In case of porter's exchanges with two memory modules, **don't change their position once they have been recorded.**

BK0 bank module must always have a memory module plugged in.



PORTER'S EXCHANGE ADJUSTMENTS

Handling the end of line jumper.

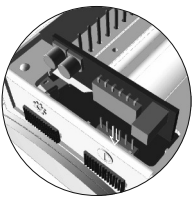


The end of line jumper is placed on the CN3 connector, that can be located on the porter's exchange base.

In case of twisted pair cable installations, the end of line jumper is placed in the EL562 module, also located in the CN3 connector of the porter's exchange base.

Do not remove the jumper if the video cable finish on porter's exchange. Remove the jumper on porter's exchange where the video cable continue.

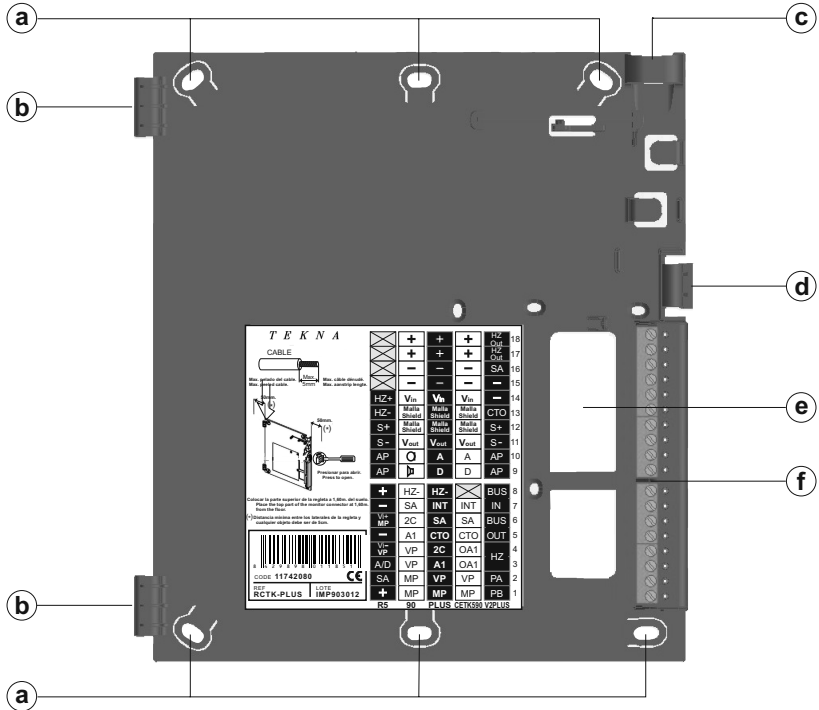
EL562 module for video installations with twisted pair cable.



Locate the CN3 connector, that's placed in the porter's exchange base. Remove the existing jumper and plug the EL562 module.

NOTE: On this type of installations, the door panel must be setting with SW1-3 to ON in the sound module, see **T631/Plus ML** instructions manual (page 11), or setting the EL500SE microprocessed circuit with SW1-3 to ON, see **T500SE ML** instructions manual (page 12). Refer to the specific installation diagram.

Description of the RCTK-PLUS porter's exchange connector.



- a. Wall attachment hole (x6).
- b. Porter's exchange 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.
INT :	intercom.
SA :	auxiliary calling device output.
CTO :	video distributor activation output.
OA1,OA1 :	Auxiliary rele output (Max. 30Vcc/ 1A).
Vp, Mp :	twisted pair video signal.

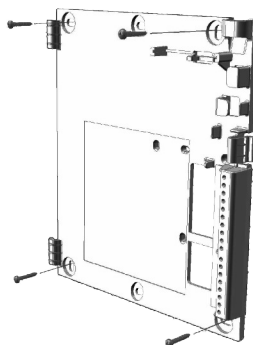
Terminals +, - and Malla (shield) are duplicated for easiest cascade installation of parallel monitors or telephones. If the porter's exchange is not placed on the connector, cascade units will not be powered.

Fix the porter's exchange connector to the wall.

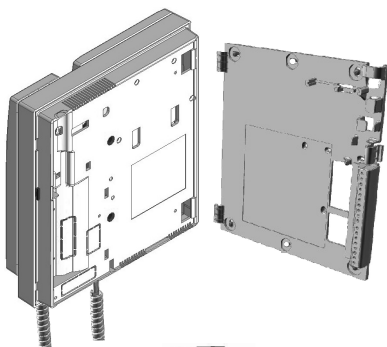
Avoid to place the porter's exchange near to heating sources, in dusty locations or smoky environments.

To install the porter's exchange directly over the wall, drill two holes of $\varnothing 6\text{mm}$. and use the supplied screws.

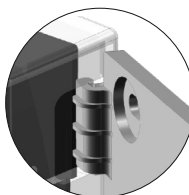
The upper part of the porter's exchange connector must be placed at 1,60m. height roughly. The minimum distance between the porter's exchange connector and the closest object must be 5cm.



Fix the porter's exchange.

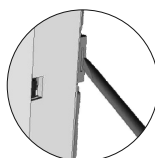


Place the porter's exchange at right angles to the connector and align the attaching holes of the porter's exchange with the attachment hooks of the connector, as it is shown on the drawing.



Lock out the porter's exchange. Press the right side till the attachment clip locks the porter's exchange firmly.

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



P rogramming menu.

It will be necessary to enter into the programming menu to configure the system properties.

For a proper system operation, the menus marked with an **asterisk** must be configured.

Two different programming menus are available: **administrator**, that allows to modify any of the system properties and **user**, that only allows changes that do not affect the system operation.

Programming options with black text and white background are available in both menus; options with white text and black background are only available on administrator menu.

The first time you enter into the programming menu, the display messages will appear in spanish.


Press OK when the display shows the message *AJUSTES DEL SISTEMA*: the display will show now *CRISTELLANO*. Press OK to change to english or till the desired language appears.

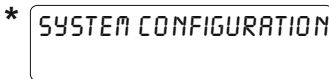
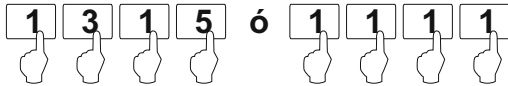
If the option Auxiliary Resident List (page 49) is disabled, it will not be necessary to fill the repertory name for a proper system operation.

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

Use CANCEL key to exit from the configuration menu. The porter's exchange will automatically exit from the configuration menu after 2 minutes with no operation.



To enter into the main programming menu, press  symbol and enter the administrator PIN code (factory default: 1315) or the user PIN code (factory default: 1111).



On this menu the system configuration options can be changed.
Press OK to enter into this menu.



RESIDENT LIST

This menu allows to fill the resident list and to change its options.
Press OK to enter into this menu.

Coming from previous page

Configuration menu.



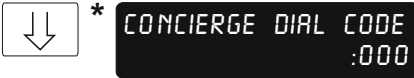
To enter into configuration menu, follow the steps described on the previous page and press OK when the display shows the message *SYSTEM CONFIGURATION*.



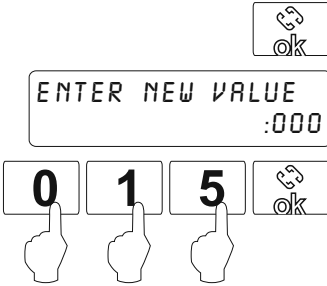
Allows to choose the language of the displayed messages and the programming menus. To choose a different language press OK until the desired language will be displayed.



Each system must have one master exchange only; in case of an additional exchange configure it as slave. Press OK to change this value.



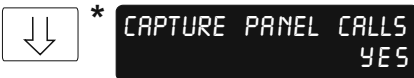
This code allows the visitor to make a direct call to the porter's exchange. Choose a code between 0 and 999. This code must be equal to the one assigned on the corresponding door panel push button and must be different to any of the monitor or telephone existing codes. To change this value press OK: the display will show the message *ENTER NEW VALUE*.



Key in the new code and confirm by pressing OK. If CANCEL is pressed the former value will be restored.



Allows the activation of an electronic lock that requires the introduction of the user pin code (page 47) to switch the porter's exchange on. Press OK to enable or disable this feature.

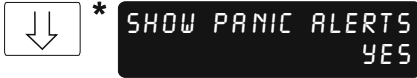


If the option YES is selected, the calls made from a door panel will be transferred to the porter's exchange. If the exchange is switched off, the call will be received on the corresponding apartment. Press OK to enable or disable this feature.

Continue

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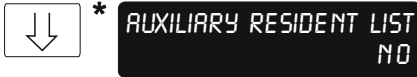
Configuration menu.



Allows to receive the panic calls made from a monitor or telephone, or when the access control panic code is keyed in on a coded door panel.
Press OK to enable or disable this feature.



Activates the retention of unattended panic or normal calls. The maximum number of call retentions is 99.
Press OK to enable or disable this feature.



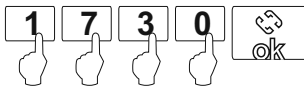
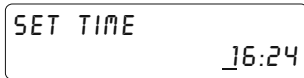
Allows the activation of a second call code for each apartment, that can be different to the programmed call code. This code must be assigned on the resident list menu (page 51).
Press OK to disable or enable this feature.



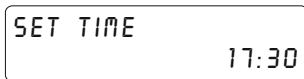
The system has an internal clock that allows to show the time on the keypad display when the system is on stand-by position. This feature can be disabled on the following step and on the user menu.



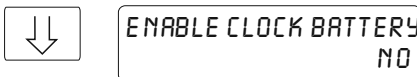
An internal battery keep the system on time even if the power supply is disconnected during a long period of time.



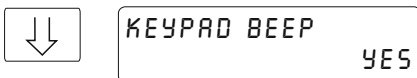
To set the time press OK: the display will show the message SET TIME. Key in the hour value from 0 to 23 and minutes value from 0 to 59 and confirm by pressing OK. If CANCEL is pressed the former value will be restored.



Allows to show or to hide the display clock when the system is on stand-by position.
Press OK to disable or enable this feature.



Allows to activate the clock battery, keeping the system in an hour even when the equipment is off. To change the value, press OK.



Allows to listen to a tone when you press on the keys of the function keyboard.
To change the value, press OK.

Continue

Coming from previous page

Configuration menu.



ADMINISTRATOR PIN CODE
:1315



ENTER NEW VALUE
:1315



ADMINISTRATOR PIN CODE
:9876

Allows to change the administrator PIN code to enter into the administrator programming menu (page 47).

Do not let know this code to untrained people; any change on the programming menu could produce a system failure.

To change the PIN code press OK: the display will show the message *ENTER NEW VALUE*. Key in the new code and confirm by pressing OK. If CANCEL is pressed the former value will be restored.

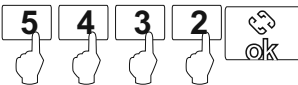
Always use a four digits code.



USER PIN CODE
:1111



ENTER NEW VALUE
:1111



USER PIN CODE
:5432

Allows to change the user PIN code to enter into the user programming menu (page 47) or to switch the exchange on when protected mode function (page 48) is activated.

Any change on this menu will not affect the system operation.

To change the PIN code press OK: the display will show the message *ENTER NEW VALUE*. Key in the new code and confirm by pressing OK. If CANCEL is pressed the former value will be restored.

Always use a four digits code.



CONCIERGE WITH CAMERA
NO

Allows to activate the porter's exchange camera.

To change the value, press OK.

Contact with our technical support department.



VERSION 1.03

Displays the porter's exchange software version.



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

R resident list menu.



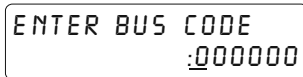
To enter into resident list menu, follow the steps described on page 47 and press OK when the display shows the message *RESIDENT LIST*.



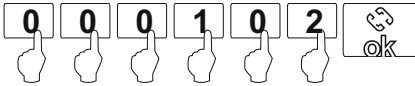
Allows to enter a new entry in the last resident list position. To choose a specific position, use the *INSERT RESIDENT* menu.



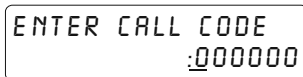
Press OK to proceed: the display will show the message *ENTER BUS CODE*; key in the monitor code and confirm by pressing OK.



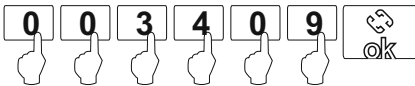
A six digits code must be entered: the three first digits will match the internal building code and the three last digits will match the monitor code.



In case of systems with one building only, confirm that the door panel(s) has been configured with zero code.



IMPORTANT: if "Auxiliary Resident List" function has been enabled (page 49), the display will show the message *ENTER CALL CODE*; enter the six digits code that will be used to call to this apartment.

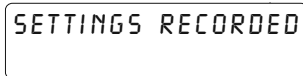


Press OK to validate it.



To assign a text to this entry press OK and proceed as described on page 54.

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



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

Coming from previous page

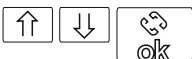
R resident list menu.



INSERT RESIDENT



JOSE PEREZ
:000012 :000041



SETTINGS RECORDED

Allows to insert a new entry in a specific resident list position. This function allows to keep the resident list sorted.

Press OK: the display will show the first resident list position: in case of no existing entries the display will show the message *RESIDENT LIST IS EMPTY*. Use the arrow keys to find the desired position and press OK: the new entry will be inserted before the selected position.

Proceed as described on *NEW RESIDENT* menu.

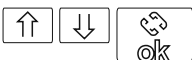
Once the inserted entry has been recorded the display will show the message *SETTINGS RECORDED*. Repeat this procedure to insert as much entries as it is needed.



MODIFY RESIDENT



JOSE PEREZ
:000012 :000041



Allows to modify the details of an existing entry. Press OK: the display will show the first resident list position: in case of no existing entries the display will show the message *RESIDENT LIST IS EMPTY*. Use the arrow keys to find the entry to be modified and press OK.

Proceed as described on *NEW RESIDENT*.

Once the new entry has been modified the display will show the message *SETTINGS RECORDED*. Repeat this procedure to modify as much entries as it is needed.



DELETE RESIDENT

JOSE PEREZ
:000012 :000041



DELETING RESIDENT

Allows to delete an existing entry.

Press OK: the display will show the first resident list position: in case of no existing entries the display will show the message *RESIDENT LIST IS EMPTY*. Use the arrow keys to find the entry to be deleted and press OK.

If *KEYPAD BEEP* function is activated (page 49), a tone will indicate us that the entry has been deleted and the message *DELETING RESIDENT* will be displayed.

Once the entry has been deleted, the display will show the next entry.

If *KEYPAD BEEP* function is not activated, the message *DELETING RESIDENT* will be displayed.

Once the entry has been deleted, the display will show the next entry.

Repeat this procedure to delete as much entries as it is needed.

Continue

Coming from previous page

Resident list menu.



**DELETE RESIDENTS
LIST**

Allows to delete all residents list.



Press OK to start the deleted residents list.



If *KEYPAD BEEP* function is activated (page 49), a tone will indicate us that residents list are being deleted.

DELETING RESIDENT...

If *KEYPAD BEEP* function is not activated, the message *DELETING RESIDENT* will be displayed.



End of the resident list menu. Use "UP" arrow key to move to the previous options.
Press CANCEL to exit from the resident list menu and return to the main menu.
If CANCEL is pressed twice the panel will exit from the programming menu.

T_{ext edit.}

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

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



Use the arrow keys to move through the display.



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



Press OK to record the whole text. The display will show the message *SETTINGS RECORDED.*



Press CANCEL key to exit from edition. The former text will be restored and the display will show the message *CANCELLED.*

1	□	□	□	□	□	□	□
	!	,	@	&	:		
	"	()	%	\$		

2	A	B	C	2	a	b	c	
	Á	À	Â	Ã	Ä	Å	Æ	Ç
	á	à	â	ã	ä	å	æ	ç

3	D	E	F	3	d
	e	f	É	È	Ê
	Ë	é	è	ê	ë

4	G	H	I	4	g
	h	i	Í	Ì	Î
	Ï	í	ì	î	ï

5	J	K	L	5	j
	k	l			

6	M	N	Ñ	O	6	m
	n	ñ	o	Ó	Ô	
	Õ	Ö	Ø	ø	ó	ò
	ô	õ	ö	ø		

7	P	Q	R	S	7
	p	q	r	s	ß

8	T	U	V	8	t
	u	v	Ú	Û	Ü
	Ü	ú	ù	û	ü

9	W	X	Y	Z	9
	w	x	y	z	ÿ

0	+	-	0	x	*
	/	=	>	<	#
	°	¿	¡		

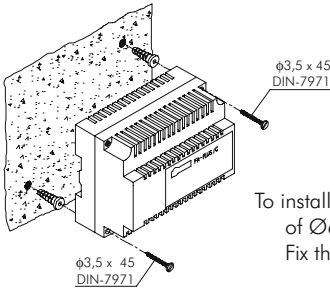
F_{ast resident list search.}

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



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

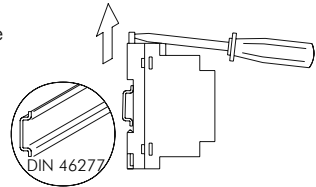
Installing the FA-PLUS and FA-PLUS/C Rev.938072 power supplies.



The power supply must be installed in a dry and protected place. It's recommended to protect the power supply by using a thermo-magnetic circuit breaker and to use a ground connection with FA-Plus power supply.

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

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



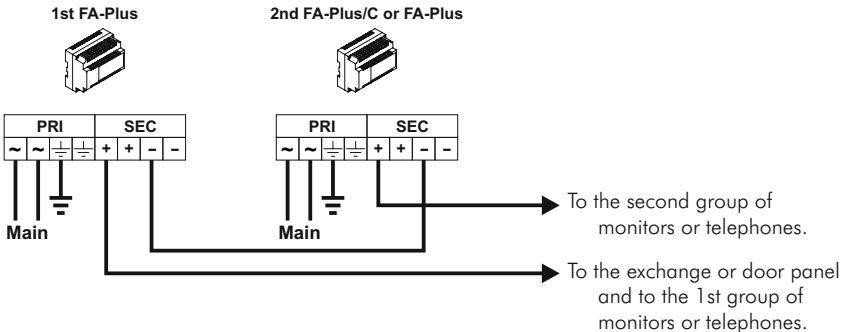
IMPORTANT: the maximum number of units that can be connected to a FA-Plus/C power supply is 10, and 50 units in case of a FA-Plus model.

Link power supplies to connect more units than the specified as it's shown on the next paragraph.

Link of several power supplies units.

The first power supply should be connected to the porter's exchange or door panel (if exists) and to the first group of monitors or telephones; connect the next groups to the positive terminal of its corresponding power supply.

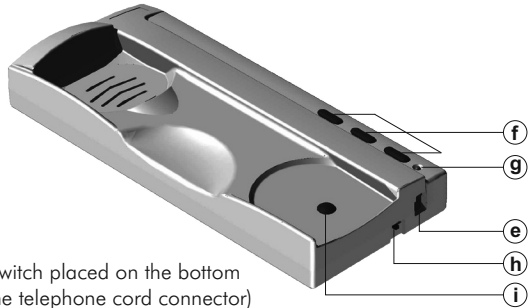
To wire several power supplies link their ground terminals; **NEVER link positive terminals of different power supplies.**



Description of the T-940 Plus telephone.

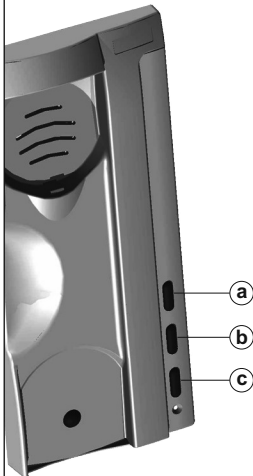


- a. Telephone handset.
- b. Speaker grille.
- c. Microphone hole.
- d. Subject hole.
- e. Telephone cord connectors.
- f. Function push buttons.
- g. On-Off light indicator.
- h. Call reception volume control.
- i. Hook switch.



The telephone has a three positions switch placed on the bottom part of the telephone (closest to the telephone cord connector) that allows to control the call reception level volume.

Function push buttons.



- a. On-Off push button.
After any telephone reset, and during the next 45 seconds, all the telephone functions will be disabled, with the exception of call reception.
- b. This push button allows to make an intercom call when the handset is not on the cradle. This function is described on page 59.
- c. If the handset is on the cradle 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.

Terminal connector description.

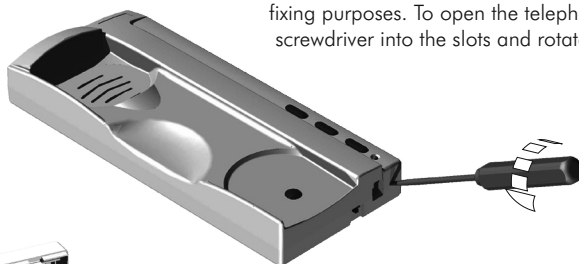
+	-	A	D	INT	SA	HZ.
---	---	---	---	-----	----	-----

+ , - : positive, ground.
 A , D : audio, digital communication.
 INT : intercom.
 SA : auxiliary calling device output.
 HZ- : door bell push button input.

TELEPHONE INSTALLATION

Fix the telephone.

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



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

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



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

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

Programming the telephones.


On systems with door panels, telephones and monitors programming must be done from the door panels, as described on the corresponding instruction manual.

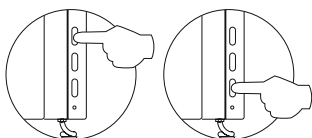
Once the programming has been finished, make a call from each apartment to the porter's exchange: the display will show the corresponding assigned codes.

If no door panels are installed, program the telephones as follows.

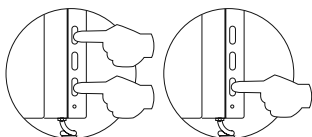
Program the system with the porter's exchange handset lifted.



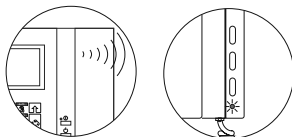
To enter the porter's exchange into program mode, press key  and enter the administrator PIN code (factory default: 1315), as described on page 47.



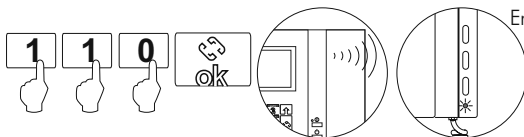
Switch off the telephone to be programmed.
Once the telephone is off, press the door release push button.



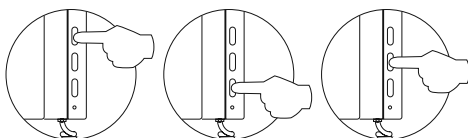
With the door release push button pressed switch on the telephone.



To show that the system is ready for programming, the porter's exchange will reproduce a sound and the display will show the message *PROGRAM MODE*. At this moment, the door release push button can be released. Lift the handset to establish audio communication with the porter's exchange.



Enter the code that will be used to call to this telephone and press the OK key. At this moment the porter's exchange will reproduce a sound and the telephone led will blink.



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

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

Repeat these steps to program the rest of telephones.

Once the programming has been finished exit from the programming menu by pressing CANCEL key. If you don't, the door porter's exchange will automatically exit after two minutes with no operation.

Intercom function.

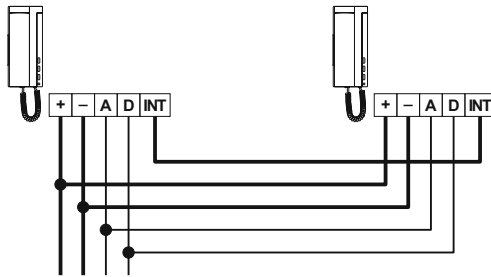
T-940 Plus telephone have intercom facility between two units of the same apartment.

To enable this function check the following conditions:

- One of the units has been configured as master and the other unit as slave with intercom, as described on page 58.
- 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 porter's exchange. To establish communication lift the handset of the called unit. If during an intercom communication a call is made from the porter's exchange, acoustic tones will be heard on the master unit handset; press the intercom push button of the master unit to establish communication with the porter's exchange.

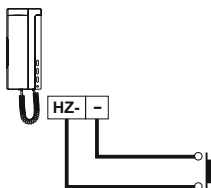
The reproduced acoustic tones are different depending on their provenance, that allows the user to distinguish where the call is made from.



Door bell push button connection.

T-940 Plus telephone can be used to receive the calls made from the apartment door, saving the use of a bell. Wire the push button of the apartment to the 'HZ-' and '-' 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.



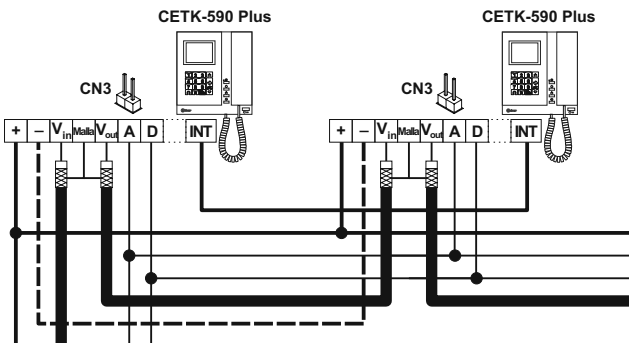
Systems with two porter's exchanges.

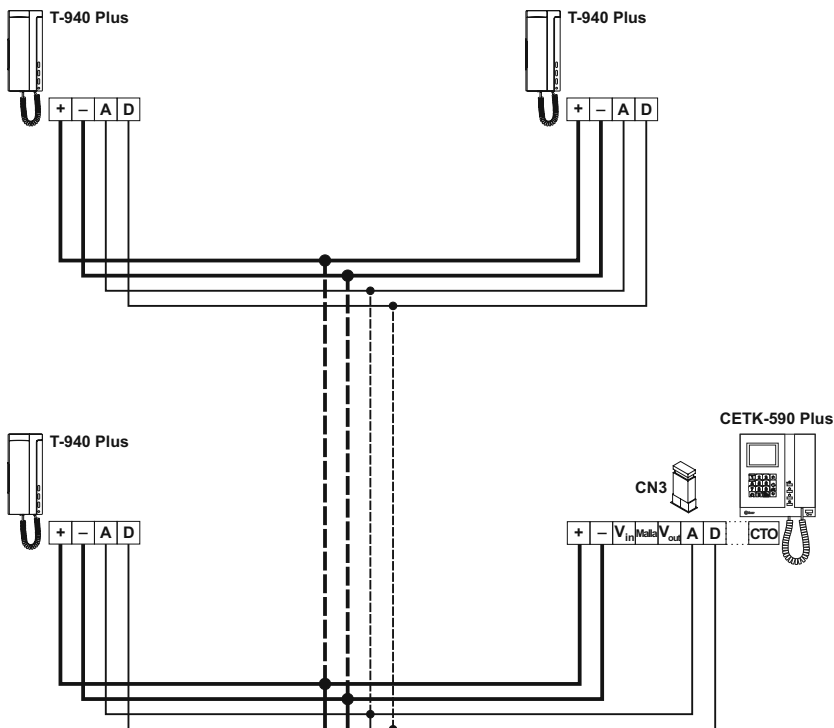
The maximum number of porter's exchanges in one system is two; one of them must be configured as master and the other one as slave, as it is described on page 48.

Calls made from monitors or telephones by using the lock release push button will be always received on the master porter's exchange. If the porter's exchange is switched off, the incoming will be transferred to the slave unit (night operation). The incoming door panel calls will be also received on the master exchange. However, each porter's exchange can have its own address direct call code (see page 48).

Tekna Plus and Platea Plus monitors can select to which porter's exchange the call will be sent, by using the second auxiliary push button. This function requires an internal modification in the monitor, as it is described on the door panel instructions manual.

CETK-590 Plus porter's exchanges have intercom facility between two porter's exchanges. To enable this function, 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. The display of the caller porter's exchange will show the messages *CALLING TO CONCIERGE* or *SYSTEM IS BUSY*. The display of the called porter's exchange will show the message *CONCIERGE INCOMING CALL*. To establish communication lift the handset of the called unit: both porter's exchanges displays will show the message *COMMUNICATION*. If during an intercom communication a call is made from the door panel, acoustic tones will be heard on the master unit handset, the picture will appear and the porter's exchange display will show the message *DOOR INCOMING CALL*; press the OK key of the master unit to establish communication with the door panel, or press the door release push button to activate the lock release. If the call has been made from an apartment, the display of the master porter's exchange will show a new missed call.

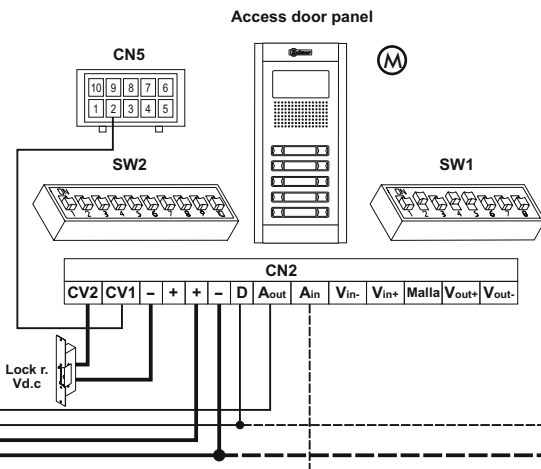
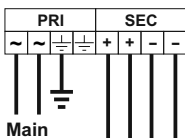




Ⓜ = Master.
 Ⓢ = Slave.

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

FA-Plus/C or FA-Plus



Audio installation.

The installation diagram shows the connection of an audio system with one or several door panels for the same building and one porter's exchange.

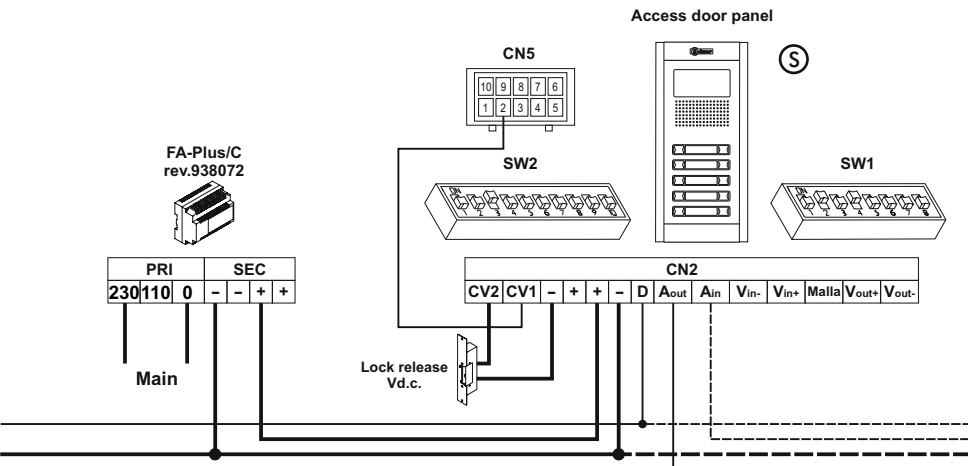
If the system has no door panels or only one, override the corresponding wiring.

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

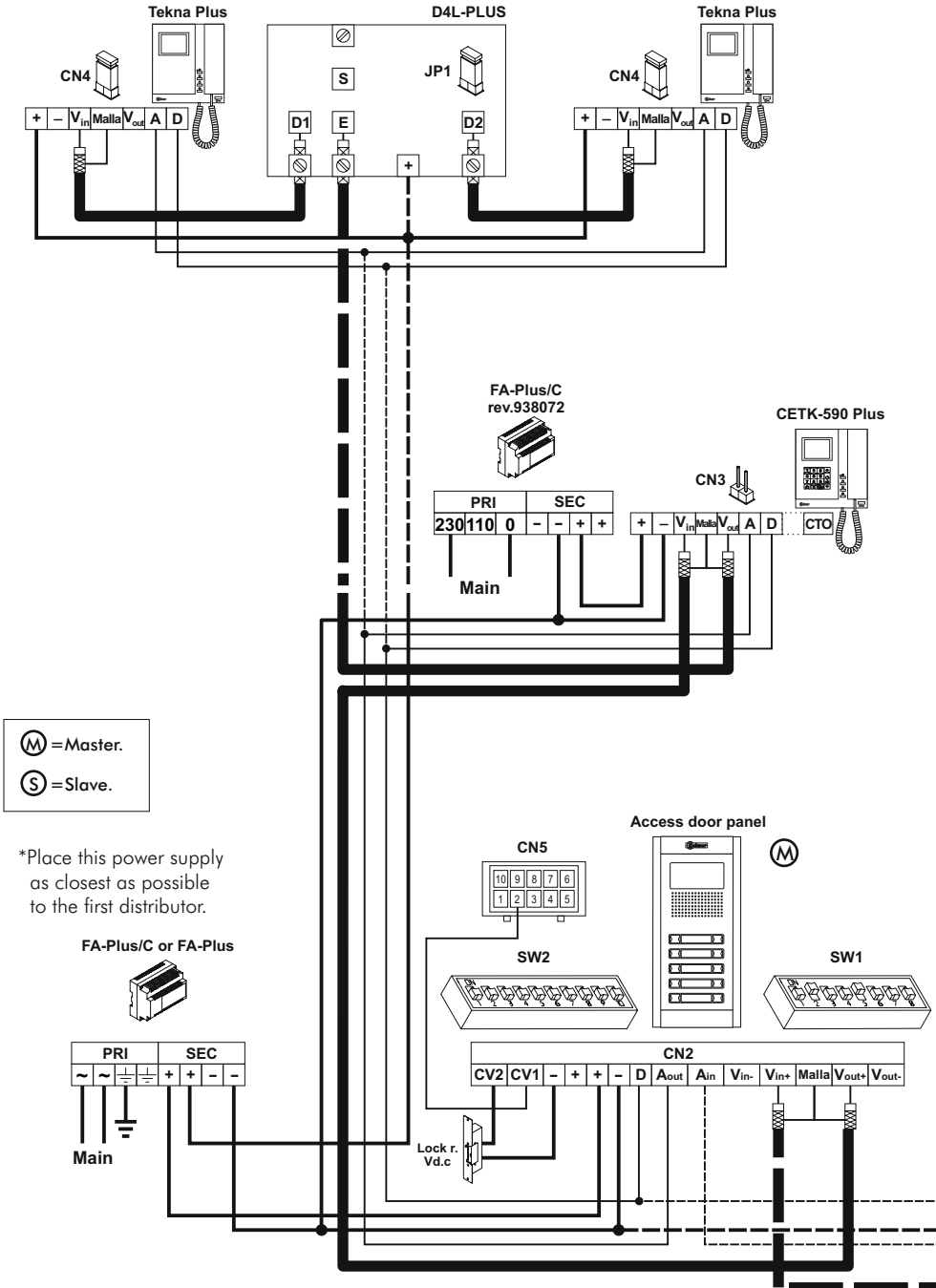
Wire the porter's exchange as a telephone.

SECTIONS CHART	Distance	
	50m.	150m.
+, -, CV1, CV2	1,00mm ²	2,50mm ²
A _{in} , A _{out} , A, D	0,25mm ²	0,25mm ²

For longer distances than the specified contact with your distributor.



* Take off JP1 jumper of all the distributors except in the last one.



Video installation with coaxial cable.

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

If the system has no door panels or only one, override the corresponding wiring.

If the system has more than one door panel, wire the second panel as shown on the diagram.

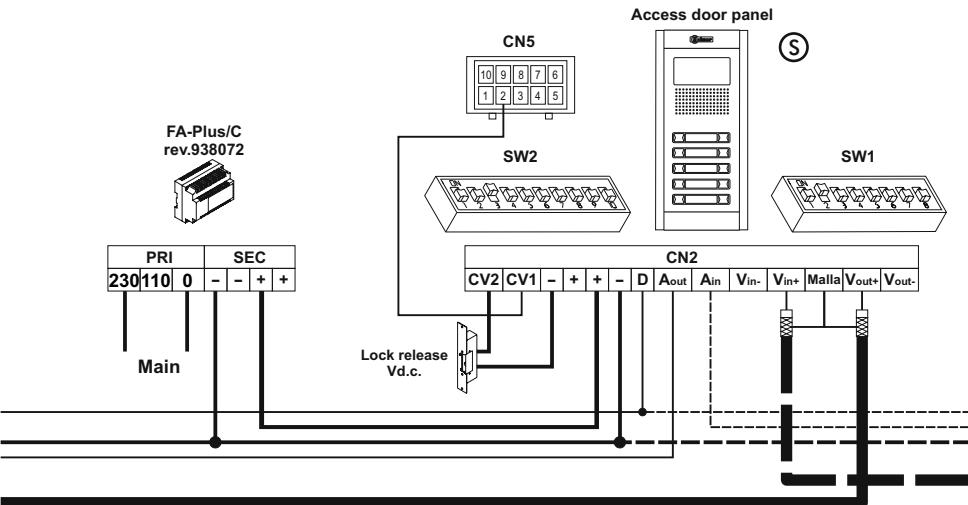
In case of more than two door panels, wire them as the second is connected.

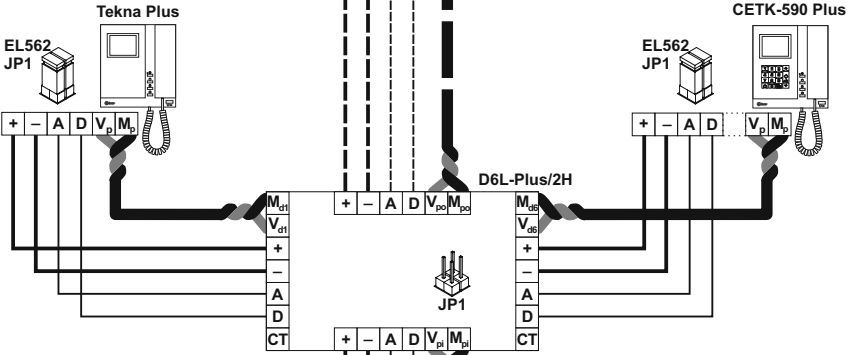
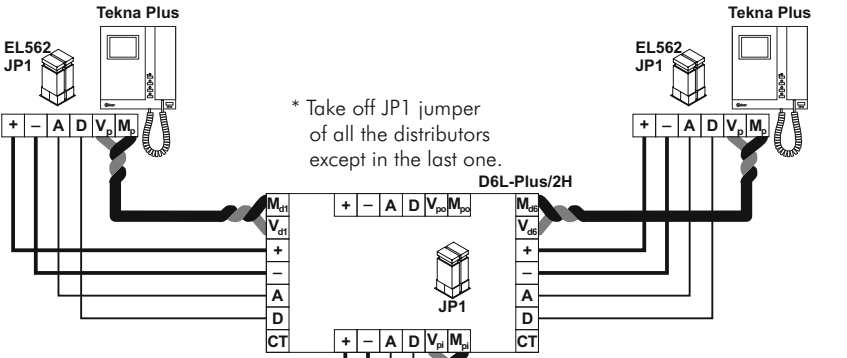
Note: In installations with coaxial cable is recommended to install the porter's exchange between door panel and the first distributor (the porter's exchange must have a dedicated power supply).

SECTIONS CHART	Distance	
	50m.	150m.
+, -, CV1, CV2	1,00mm ²	2,50mm ²
A _{in} , A _{out} , A, D	0,25mm ²	0,25mm ²
V _{in+} , V _{out+} , V _{in} , V _{out}	*RG-59	*RG-59

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

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

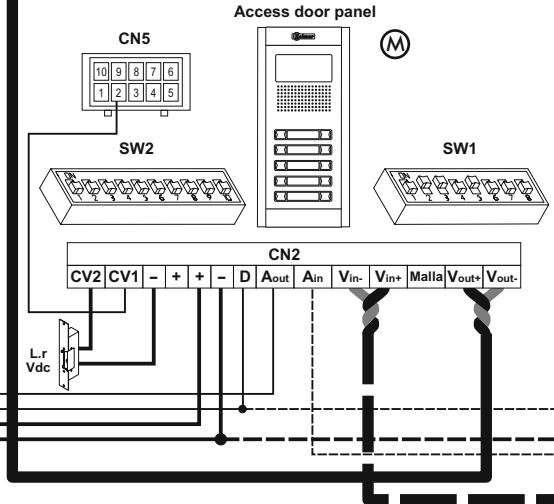
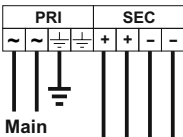




Ⓜ = Master.
 Ⓢ = Slave.

*Place this power supply as closest as possible to the first distributor.

FA-Plus/C or FA-Plus



V

ideo installation without coaxial cable.

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

If the system has no door panels or only one, override the corresponding wiring.

If the system has more than one door panel, wire the second panel as shown on the diagram.

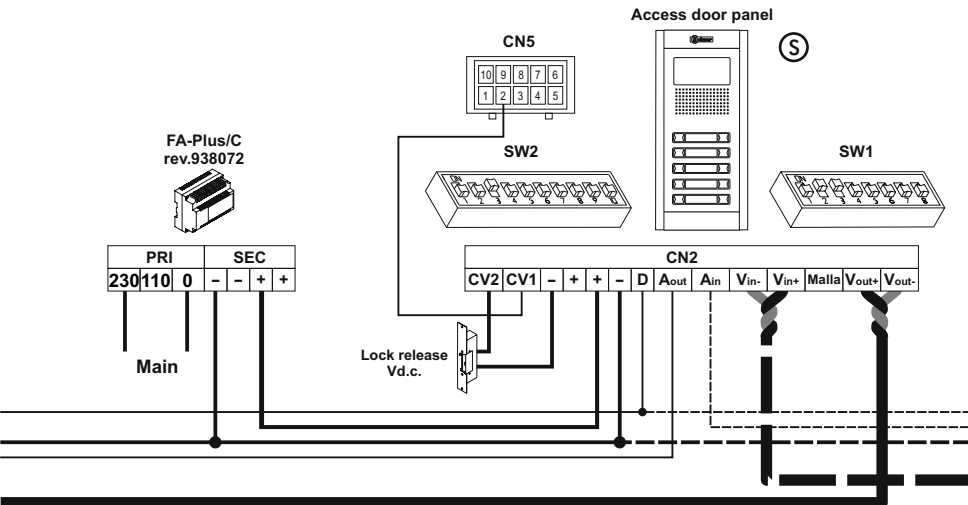
In case of more than two door panels, wire them as the second is connected.

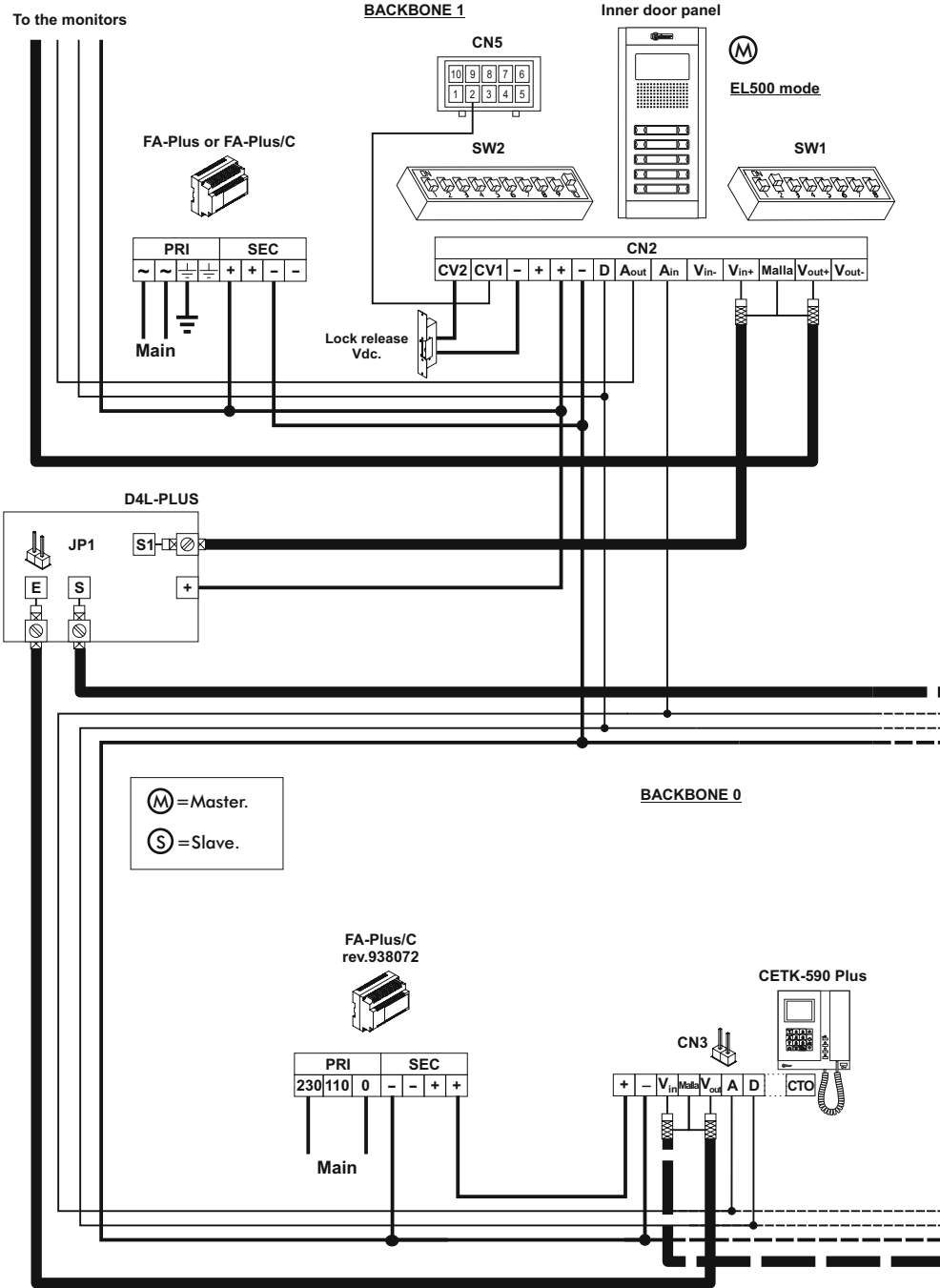
Wire the porter's exchange as a monitor.

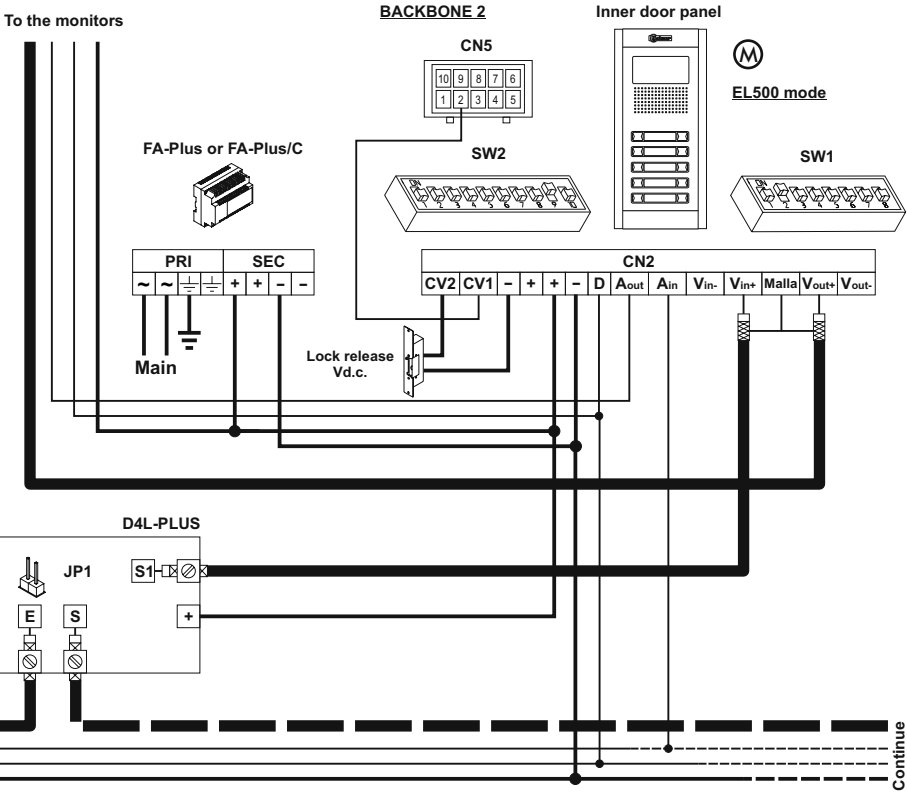
IMPORTANT: For this type of installation, the door panels must have the Dip-3 of the SW1 to ON (see door panel manual) and the porter's exchange and monitors must have an EL562 plugged in each.

SECTIONS CHART	Distance	
	50m.	150m.
+ , - , CV1 , CV2	1,00mm ²	2,50mm ²
A _{in} , A _{out} , A, D	0,25mm ²	0,25mm ²
V _{in+} , V _{out+} , V _{p,d} , M _{p,d}	CAT-5	CAT-5

For longer distances than the specified contact with your distributor.



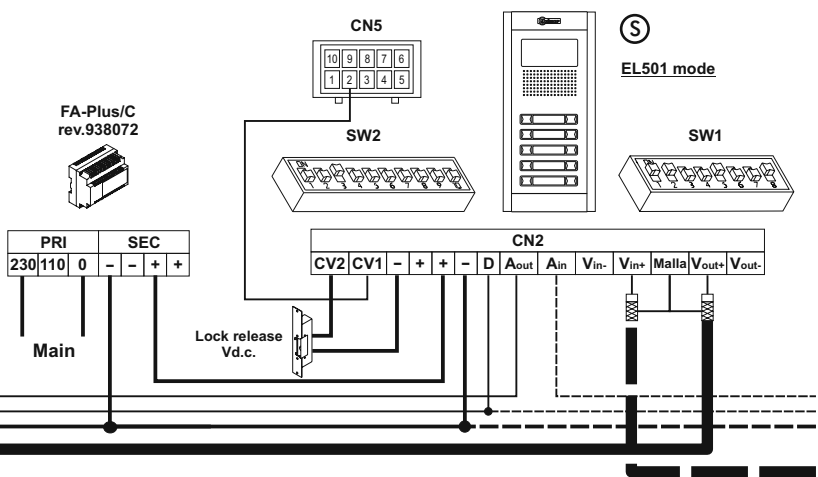


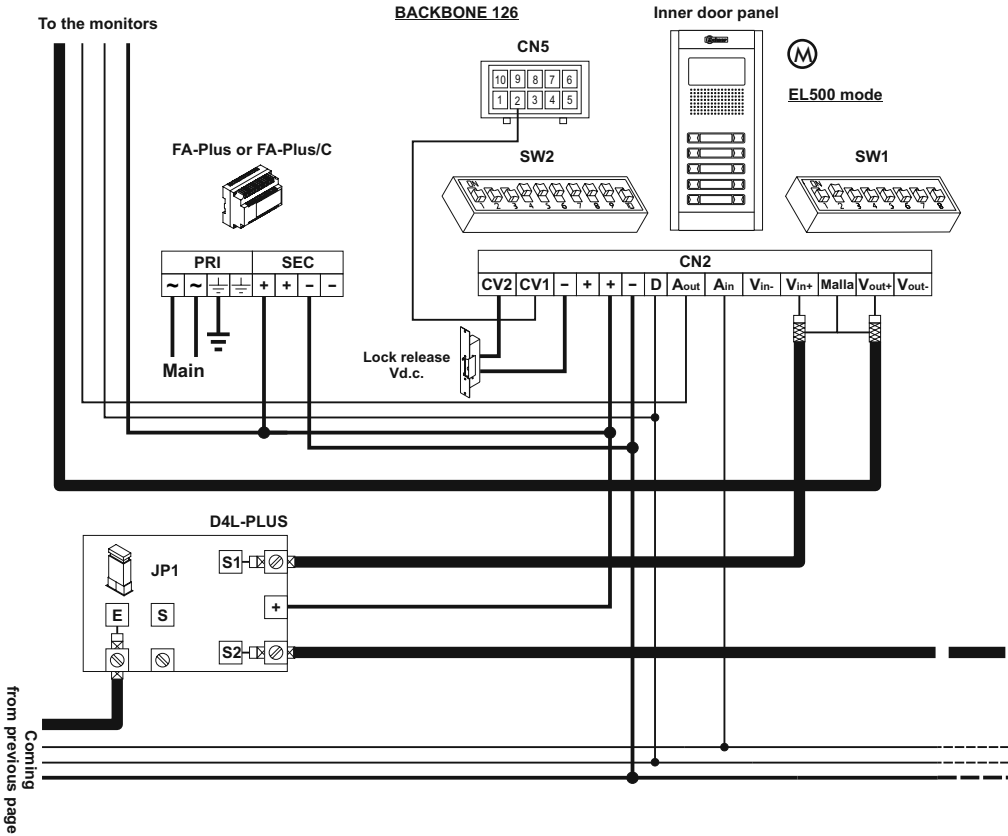


Continue on the following page

BACKBONE 0

General door panel





Video installation with general entrance door panel for residential complexes.

IMPORTANT NOTES:

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

The installation diagram shows the connection of a video system with one general entrance door panel, a porter's exchange and up to 127 internal building door panels.

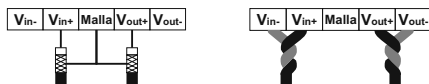
In case of more than one general entrance door panel, wire them as it is shown on the instruction manual of the general door panel. In case of no general entrance door panel, override the corresponding wiring.

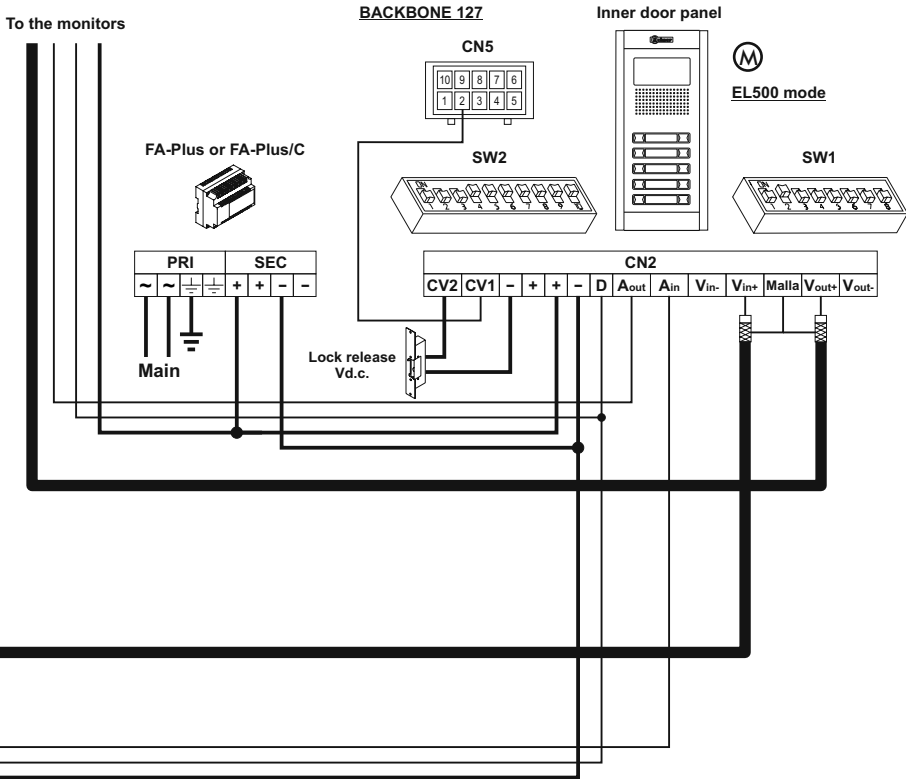
In video systems, use a D4L-Plus distributor at each inner door panel input except on the last one. Remove the end of line jumper of all the distributors except in the last one.

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

In video systems with twisted pair use the D6L-Plus/2H distributor instead of D4L-Plus distributor. Take off JP1 jumper of all the distributors except in the last one. Add a negative in the inner building installation riser, (see page 65).

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





Video installation with general entrance door panel for residential complexes.

SECTIONS CHART	Distance			
	100m.	300m.		
Terminal	100m.	300m.		
+, -, CV1, CV2	1,50mm ²	2,50mm ²		
A _{in} , A _{out} , A, D	0,25mm ²	0,25mm ²		
V _{in+} , V _{out+}	* RG-59	* RG-59	Coaxial	Sw1-3 Off (1)
V _{in+} , V _{in-} , V _{out+} , V _{out-}	CAT-5	CAT-5	Twisted pair	Sw1-3 On (1)

For longer distances than the specified contact with your distributor.

(1) See door panel manual.

* Coaxial cable characteristics RG-59 B/U MIL C-17, (see page 64).



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