golmar

Video Kit
3 + coax
4 + tp

Rock Series

Installation 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

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 69). **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.
☞ Distance from door panel to 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-S Plus Color monitors / T540 Plus SE telephones:(for installation Plus/ Uno).
   ✆ Privacy on audio and video communications. (Video only monitor).
   ✆ "Autoswitch-on" function.
   ✆ "Video-spy" function with the communication channel remaining free. (Only monitor).
   ✆ Enables communication with hearing aids equipped with T-mode, making conversation possible (inductive loop). (Only monitor).
   ✆ Function and advanced programming buttons (to customise the monitor's/ telephone's functions).
   ✆ Call volume control (maximum, no volume 'night mode,' medium and minimum).
   ✆ Intercommunication function with other monitor or telephone of the same apartment.
   ✆ Input for external door bell push button.
   ✆ Negative output for additional call repeater (maximum current 250mA).
   ✆ Call to a master and slave porter's exchange. Panic call to the porter's exchange.
   ✆ Dip switches for quick programming mode.
   ✆ Activation of two auxiliary devices: secondary telecamera (only monitor), courtesy light, …

Continue

Coming from previous page
- ✺ "Doctor mode" function (automatic door opening).
- ✺ Input for external door release push button.
- ✺ Brightness and color control. (Only monitor).
- ✺ Different call reception tones depending where the call is comming from: door panel, door bell push button, intercom., porter's exchange.
- ✺ Door release button.
- ✺ Telephone status LED.
- ✺ Monitor status LED.
- ✺ Programming LED.
- ➽ Monitor Tekna HF Plus:
  Description, installation, configuration and programming of the monitor (see manual TTEKNA HF PLUS "Code 50122337") available in: https://doc.golmar.es/search/manual/50122337.
- ➽ Telephone T540 Uno SE:
  Description, installation, configuration and programming of the telephone (see manual T540 UNO SE "Cód.50122257") disponible en: https://doc.golmar.es/search/manual/50122257

SYSTEM OPERATION

- ➽ To make a call, the visitor will have to push the door panel 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 door panel(s) will be automatically disconnected: if another visitor needs to call, some phone tones will indicate that the channel is busy.
- ➽ The call lasts for 45 seconds; the master Tekna-S Plus monitor shows the image 2 seconds after receiving the call; while the visitor does not perceive it and master monitor's status LED will illuminate (green). If the call is not answered before 45 seconds, the master monitor's status LED will illuminate (red) and the channel will be free.
- ➽ To communicate, lift the handset from the monitor (phone) and the monitor's status LED will illuminate (green). Communication with hearing aid 🦻: The handset enables communication with hearing aids equipped with T-mode, making conversation possible (inductive loop).
- ➽ Communication will last for one minute and a half or until the handset is hung up. After the communication, the monitor's status LED will iluminate (red) and the channel will be free.
- ➽ To open the door, press the door opener button during the call or communication: one touch activates the door opener for three seconds.
- ➽ Pages 46 and 57 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 53-54, 63 and 64).

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 68.

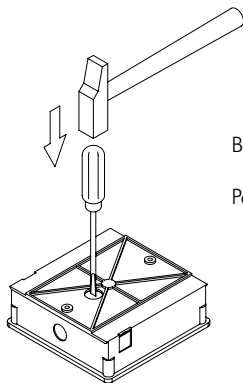Positioning of the embedding box

1650   1450   1850
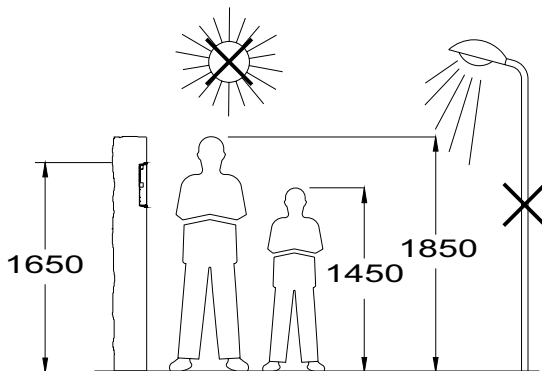
Drill one hole in the wall so that the upper part of the doorpanel is installed at a height of 1,65m.
Drill dimensions are: 131(Width) x 131(Height) x 45(Depth) mm.

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.
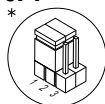After the embedding box has been installed, remove the protective stickers from the fixing holes.
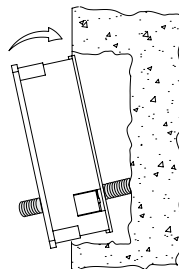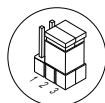
Door panel configuration.

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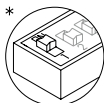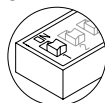
JP1

It allows the connection of an alternative current door opener; page 73 shows the connection diagram.

It allows the connection of a direct current door opener; page 73 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.
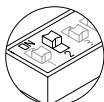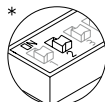
Select ON for monitors and telephones programming. Once the programming progress is finished return the switch to OFF position. Page 53-54 describes Tekna-S Plus monitors program method; while pages 63 describes T540 Plus SE telephones program method.
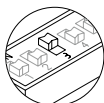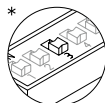
Select OFF in case of a main door panel. Each system must be equipped with just one main door panel; all the others must be slave door panels (ON). In systems provided with a general door panel, one door panel of each house will be configured as main door panel.
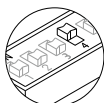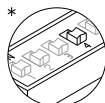
Select OFF if the door panel is provided with a camera. Select ON if it has no camera.
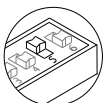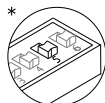
With a general door panel, select ON to program the backbone installation. Once the programming progress is finished return the switch to OFF position.
Page 68 describes the program method.
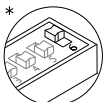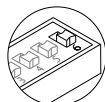
Equip the installation with a communication resistance. To ensure a correct operation, this resistance must be activated only in the door panel which is the nearest to the backbone installation or in the general door panel (if one exists). If any RD-Plus/Uno SE repeater is used, it must be deactivated 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.
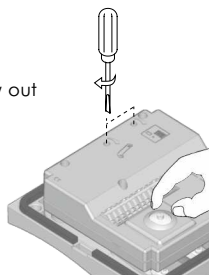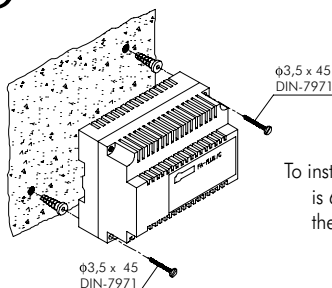The camera is equipped with an horizontal and vertical orientation device. If orientation is not correct, change it.

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

POWER SUPPLY INSTALLATION

Detail of FA-805 power supply installation.

φ3,5 x 45
DIN-7971

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.

φ3,5 x 45
DIN-7971

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.

DIN 46277
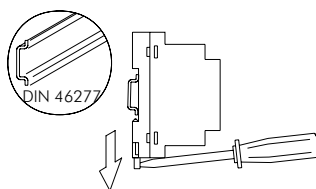
LOCK RELEASE INSTALLATION

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 73.

φ3,5 x 25
DIN-7972

M 4 x 8
DIN-963

D escription of the Tekna-S Plus monitor.

i. Advanced programming LED.
j. Monitor status LED (two-colour):
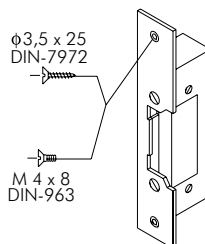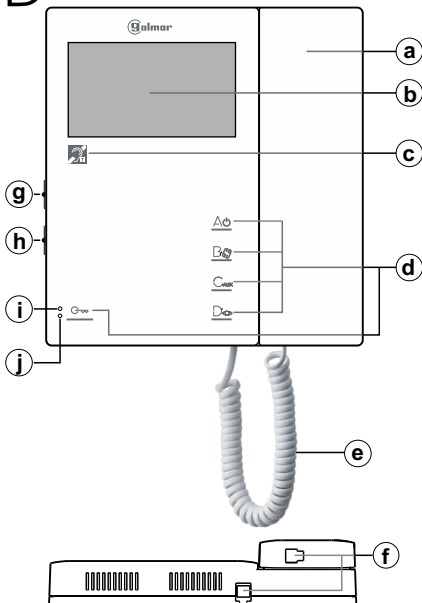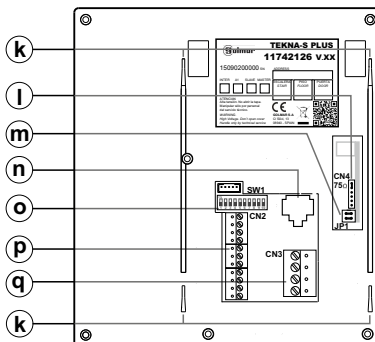- In standby: LED illuminated red.
- Call: LED illuminated green (master monitor).
- Communication: Led illuminated green.
- Auto spy if Bus busy:
  LED blinking red rapidly.
- No volume (night mode):
  LED blinking red.
- Doctor mode: LED blinking green.
k. Connector fixings.
l. CN4 connector (end of line jumper).
m. JP1 jumper, remove in video installation with twisted pair (see "EL562S module" p.71-72).
n. RJ-45 connector (installation with UTP cable).
o. SW1 configuration switches.
p. CN2 connection terminals.
q. CN3 connection terminals.

a. Handset.
b. 4.3" TFT colour screen.
c. Communication with hearing aids. SDet the hearing aid switch to position T.
d. Function/programming buttons.
e. Cord.
f. Cable slot.
g. Brightness control.
h. Colour control.

D escripción of the connection terminals.

CN3 connection terminals:

$(*)$ | (Shield) − | + | Vin MP | Vout VP

−, + : Negativoe positive (18Vdc power supply).
Vin : Video signal input through coaxial cable.
    : $(*)$ Coaxial cable shield.
Vout : Video signal output through coaxial cable.
Vp, Mp : Balanced video signal (through twisted pair).

CN2 connection terminals:

| A | − | D | HZ- | − | AP+ | INT | 2C | A1 | + | SA |

A : Audio communicatio.
D : Digital communicationl.
HZ- : Door bell button input.
AP+ : Input for auxiliary door opening button.
INT : Intercom function.

2C : Output for 2nd camera activation.
A1 : Output (negative) for auxiliary device activation (max. consumption 50mA).
SA : Output (negative) for auxiliary call repeater (max. consumption 250mA).

Function buttons.

A ⏻ One long press for 2 seconds: with the monitor in standby and the handset on the hook, this activates ringtone volume mode, with a tone indicating the volume selected. Then each long 2-second press (before 5 seconds elapse) selects a volume level: maximum, no volume 'night mode,' minimum and medium, and so on (carousel mode). Note: The 'night mode' status LED blinks red. During a call, the monitor does not emit a ringtone unless it is an 'apartment front door call.'

One long press for 3 seconds: with the monitor in standby and the handset on or off the hook, this turns the monitor off. Then one short 1-second press turns on the monitor. After any resetting of the monitor and for the following 45 seconds, no operation with it can be performed.

One long press for 3 seconds during a call cancels the call on the monitor. If there are more monitors in the apartment, they will continue with the ringtones of the door panel. During communication with the door panel, the communication in progress will end.

(*) B 👥 With the monitor in standby and the handset off the hook, this activates the intercom function (in the same apartment). One long press until a confirmation tone can be heard will call all of the monitors in the apartment. To call individual devices, press the button once to call the 'master' monitor, twice to call 'slave 1,' 3 times to call 'slave 2,' 4 times to call 'slave 3' and 5 times to call 'slave 4.' This selective intercom call mode is only available with Tekna Plus SE, Tekna-S Plus and Tekna HF Plus monitors. This only functions if no call or communication is in progress.

(*) C ᴬᵁˣ Regardless of the position of the handset, this activates auxiliary device 'A1.'
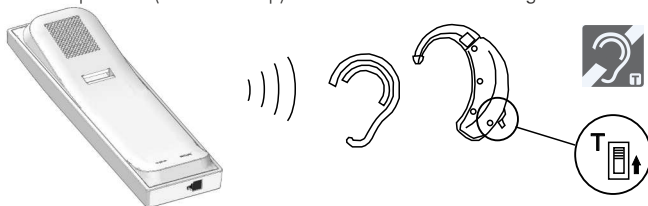
D 👁 With the monitor in standby and the handset on the hook, this enables the image from the door panel configured as main to be viewed (if the bus is busy, the status LED of the monitor will indicate so with a few quick blinks). With the handset off the hook, this enables audio and video communication with door panels that have their auto switch-on function activated to be established. This only functions if no communication is in progress.

In call, a slave monitor enables the image of the door panel to be captured.

O📞 With the monitor in standby and the handset on the hook, this makes a panic call to the guard units configured to receive such calls. With the handset off the hook, it enables a normal call to be made to the main guard unit. During call reception and communication processes, it enables the lock release to be activated.

(*) In advanced programming mode, the default functions of function buttons B👥 and C ᴬᵁˣ can be changed with one of the following functions at the same time and per button: 'intercom,' 'auxiliary device A1 activation,' 'second camera 2C activation' or 'call to secondary guard unit' (see p. 56).
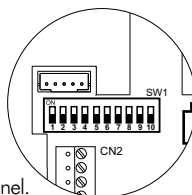
.

The handset of the Tekna-S Plus monitor enables communication with hearing aids equipped with T-mode, making conversation possible (inductive loop). **Remember:** Set the hearing aid switch to position T.
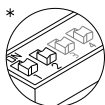
Description of the SW1 DIP switch (quick programming mode).

The SW1 DIP switch is located on the right-hand side of the back
  of the monitor.
  It enables the monitor to be configured as master / slave and an address
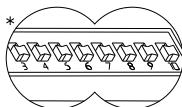 to be assigned.

Important: This type of programming cannot be performed on a general door panel.

Dip1 and Dip2: To set the the monitor as master / slave. Dip1 and Dip2 to
OFF master, Dip1 to ON and Dip2 to OFF slave 1, Dip1 to OFF and Dip2
to ON slave 2, Dip1 and Dip2 to ON slave 3.
Remind: Up to two monitors and one phone in each house without extra
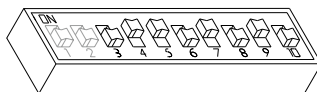power supply.

Dip3 to Dip10: To set the monitor address.
This kit video SV-801 S, **must be set the monitor only with address "106"**. The
switches set to OFF have a zero value..
The values of the switches set to ON are shown in the table below.
The monitor code is the sum of the values of the switches set to ON.

| Switch number:	3	4	5	6	7	8	9	10
Value when ON:	128	64	32	16	8	4	2	1

Example: 0+64+32+0+8+0+2+0=106

*Factory default

Description of the RJ-45 connector (installation with UTP cable).

The monitor features an RJ-45 connector for installation with a UTP
  cable. It is located on the right-hand side of the back of the monitor.
  It enables connection of the system's main communication wires
  (**+, -, A, D, Vp y Mp)** in twisted-pair installations.
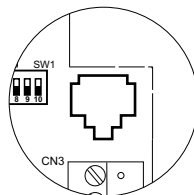
RJ-45 equivalence table

Pin	Ethernet cable	Golmar connection
1	White + Orange	GND (Audio)
2	Orange	Audio
3	White + Green	GND (Data)
4	Blue	+18V
5	White + Blue	+18V
6	Green	Data
7	White + Brown	Vp
8	Brown	Mp

RJ-45 connector (Cable type: T568B)
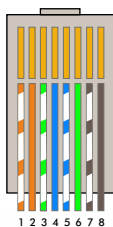
Male connector
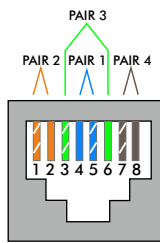
Female connector

NOTE: For this type of installation, contact our Golmar technical support department.

U se of the end of line jumper.

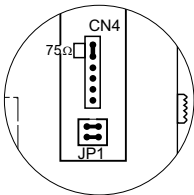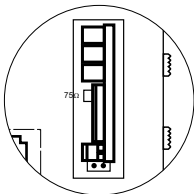The end of line jumper is located in CN4 connector, in the rear part of the monitor. In systems with twisted pair, the end of line jumper is located in the EL562S module (see next paragraph)

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

Remove jumper only in intermediate monitors.

E L562S module for video installations with twisted pair.

Find CN4 connector at the back of the monitor on the right-hand side.

To insert the EL562S module, first remove the jumper located in the CN4 connector and JP1 of the monitor.

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

See the specific installation diagram.
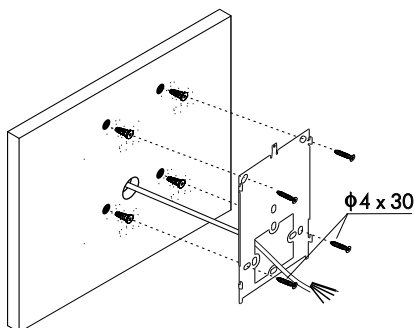
P ositioning the wall mounting connector.

The top of the connector must be positioned at a height of 1.60 m. The minimum distance between the sides of the connector and the closest object must be 5 cm.
Avoid dusty or smoky environments or locations near sources of heat.

1.60m
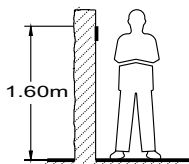
F ixing the monitor´s wall mounting connector to the wall.

Fix the monitor's wall mounting connector to the wall by drilling two 6mm diameter holes and using the screws and plugs supplied with the terminal.

φ 4 x 30

P ositioning the monitor.

Connect the cables to the monitor (see p. 47), position the monitor in front of the wall mounting connector, ensuring that the holes in the base of the monitor line up with those on the connector ①, and then move the monitor downwards ② until the monitor is securely fixed to the connector ③ .

Remember: R

①   ②   ③
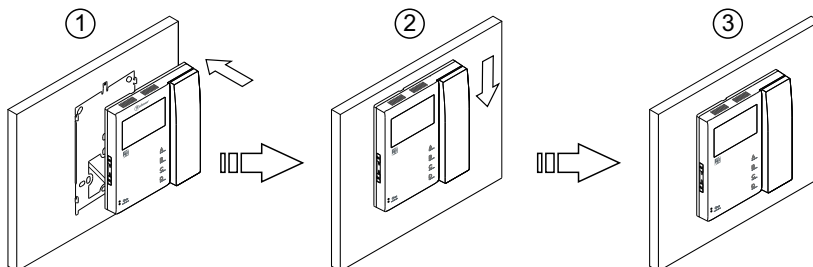
Location of the embedding box.

Make a hole in the wall to position the top of the universal embedding box at a height of 1.60 m from the ground. The minimum distance between the sides of the embedding box and the closest object must be 5 cm. Avoid dusty or smoky environments or locations near sources of heat.

1.60m

Positioning the embedding box and fitting the wall mounting connector.

Pass the cable through the hole made in the embedding box. Embed the box and ensure that it is level and flush. Fix the wall mounting connector of the monitor to the embedding box with the screws supplied.

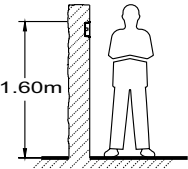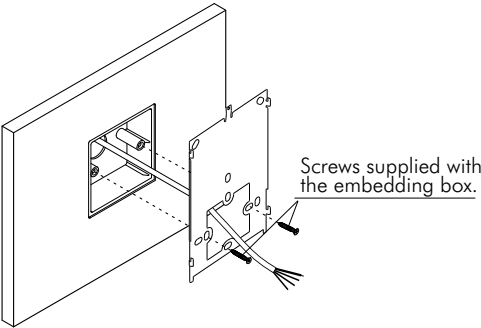Screws supplied with the embedding box.

Positioning the monitor.

Connect the cables to the monitor (see p. 47), position the monitor in front of the wall mounting connector, ensuring that the holes in the base of the monitor line up with those on the connector ①, and then move the monitor downwards ② until the monitor is securely fixed to the connector ③.

Remember: R

①   ②   ③
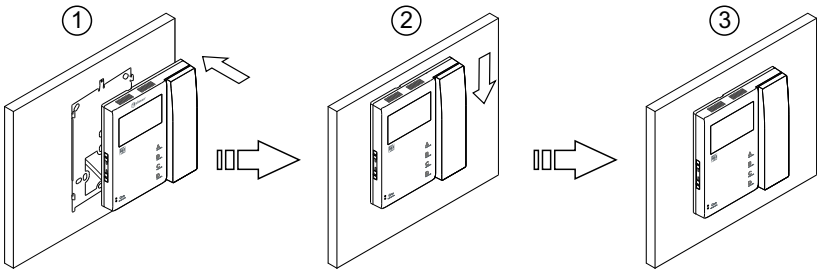
Programming the Tekna-S Plus monitors.

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.
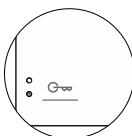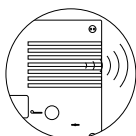
<u>Important:</u> To perform this programming, the monitor's SW1 DIP switches be set to **OFF**.
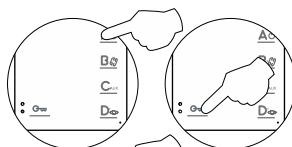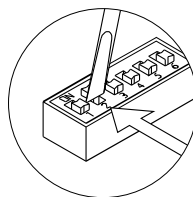
Turn off the monitor to be programmed (press button $A\circlearrowleft$ for 3 seconds). Once switched off, press door release button G .
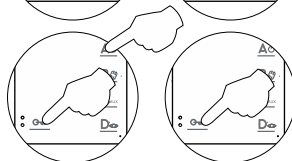
Press and hold door release button G and, without releasing it, switch on the monitor (press button $A\circlearrowleft$ for 1 second).

To show that the device is ready for programming, the door panel and monitor will emit a number of tones (the status LED on the monitor will illuminate red), enabling door release button G to be released. To establish audio communication with the door panel, lift the handset.
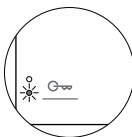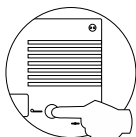
Press the door panel button that will call this monitor. At this moment, the door panel and monitor will emit a number of tones (the status LED on the monitor will blink red).
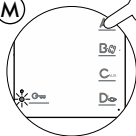
To programme the monitor as **Master**, press button $A\circlearrowleft$ for 3 seconds (the monitor's LED will illuminate red).
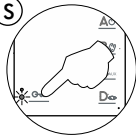
To programme it as **Slave 1**, press button G once and the status LED will blink (green) once. Continue successively to , pressing button G four times and the status LED will blink (green) four times.

Remind: Up to two monitors and one phone in each house without extra power supply.
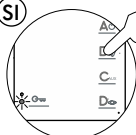
To programme it as **Slave + Intercom**, press button B and the LED will blink (green) once.

Continue

Coming from previous page

(SV)
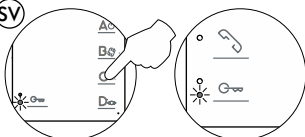
To programme it as *Slave without video* (in call), press button C_AUX and the status LED will blink (green) once. If button C_AUX is pressed again, the monitor will return to being programmed as *Slave with video* (in call) and the status LED will blink (green) twice. The door panel video will be displayed during a call if programmed to do so:
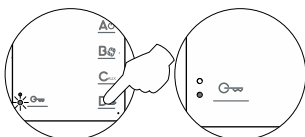
To exit, press button D (the monitor's LED will illuminate red).

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.

D escription of the SW1 DIP switch (quick programming mode).

The SW1 DIP switch is located on the left-hand side of the back of the monitor.
It enables the monitor to be configured as master / slave and an address to be assigned.

Important: This type of programming cannot be performed on a general door panel.

SW1

CN2

* Dip1 and Dip2: To set the the monitor as master / slave. Dip1 and Dip2 to OFF master, Dip1 to ON and Dip2 to OFF slave 1, Dip1 to OFF and Dip2 to ON slave 2, Dip1 and Dip2 to ON slave 3.

Remind: Up to two monitors and one phone in each house without extra power supply.

* Dip3 to Dip10: To set the monitor address.
This kit video SV-801 S, **must be set the monitor only with address "106"**. The switches set to OFF have a zero value..
The values of the switches set to ON are shown in the table below.
The monitor code is the sum of the values of the switches set to ON.

Switch number:	3	4	5	6	7	8	9	10
Value when ON:	128	64	32	16	8	4	2	1

ON

Example: $0+64+32+0+8+0+2+0=106$

*Factory default

A dvanced programming of Tekna-S Plus monitor.

Advanced programming enables the monitor's default settings to be changed:
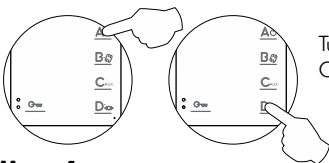
Turn off the monitor to be programmed (press button A⏻ for 3 seconds). Once switched off, press button D⚷ to access **'Menu 1'** of advanced programming and the programming LED will illuminate.

Menu 1:

Then adjust the settings as required:
- **Activating / deactivating the doctor mode function:** Doctor mode not activated (default setting).

The "doctor mode" function enables the lock release to be activated automatically 6 seconds after making a call from the door panel without having to establish communication or press door release button.⚷ . The call ends after 20 seconds and the channel will become free.
(Only the master monitor should be configured with "doctor mode").

To activate doctor mode: Press button A⏻ and the programming LED will indicate with 2 blinks that the function is activated (the status LED will blink green) or with 1 blink that the function is deactivated.

- Changing the ringtone melody:

The monitor has different ringtones to identify the origin of the call. The melodies assigned by default to the ringtones can be selected from among others available on the monitor.
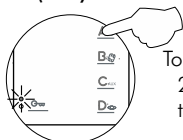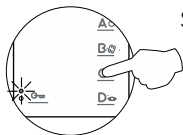
Select the ringtone to be changed: Each press on button C_AUX selects a ringtone which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: door panel, guard unit, intercom call and 'HZ' apartment front door call. When the final selection is reached, the following press returns the user to the first selection and 1 blink of the programming LED (carousel mode).
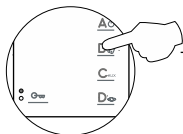
Then select the melody for the ringtone (selected in the previous step) by pressing button B♫ til the required 'carousel mode' melody is heard.

- Button ⚷ has not function.

No function.

- Accessing "Menu 2" or exiting programming mode:
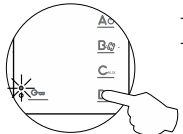
To access **'Menu 2'** press button D⚷ and the programming LED will blink twice.
To exit programming mode, press button D⚷ for 3 seconds, and the programming LED will turn off (see p. 58).

Continue

Coming from previous page

Menu 2:

Then adjust the settings as required:

- Button A⏻ has no function.

No function.

- Changing the function of button B📞 : Intercom function (default function).
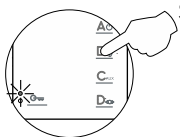
Select the function to assign to button B📞 : Each press on button B📞 selects a different function which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: auxiliary device 'A1' activation, call to secondary guard unit, second camera '2C' activation and intercom. When the final selection is reached, the following press returns the user to the first selection and 1 blink of the programming LED (carousel mode).

- Changing the function of button C𝘈𝘜𝘟 : Activation of auxiliary device "A1" (default setting).

Select the function to assign to button C𝘈𝘜𝘟 : Each press on button C𝘈𝘜𝘟 selects a different function which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: auxiliary device 'A1' activation, call to secondary guard unit, second camera '2C' activation and intercom. When the final selection is reached, the following press returns the user to the first selection and 1 blink of the programming LED (carousel mode).

- Intercom with Plus monitors/telephones: Intercom with Tekna-S Plus/T540 Plus SE (default setting).

If an apartment has Tekna Plus, Tekna S Plus monitors, T540 Plus and T540 Plus SE telephones, the Tekna S Plus monitors and T540 Plus SE telephones should be configured with 'Intercom with Tekna Plus monitors' mode, as Tekna Plus monitors and T540 PLus telephones do not allow an intercom call to a particular monitor in the apartment to be made (selective intercom call). So when an intercom call is made, all of the monitors in the apartment will receive the call.
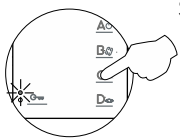
To activate the Intercom with Tekna Plus monitors mode: Press button G🔓 , and the programming LED will indicate with 1 blink that the function is in 'Intercom with Tekna Plus monitors' mode or with 2 blinks that the function is in 'Intercom with Tekna S Plus monitors' mode.

- Accesing "Menu 3" or exiting programming mode:
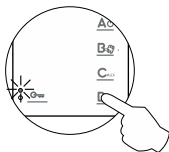
To access **'Menu 3'** press button D🔑 and the programming LED will blink three times.
To exit programming mode, press button D🔑 for 3 seconds, and the programming LED will turn off .

Continue

Coming from previous page

Menu 3:

Then adjust the settings as required:

- Repeating the ringtones: One repeat (default setting).
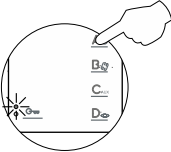
To 'repeat the ringtone' on the monitor: Each press on button A⏻ selects a repeat of the ringtones which is indicated with blinks (1 to 3 blinks) of the programming LED and in the following order: 1, 2 or 3 repeats. When the final selection is reached, the following press returns the user to the first selection and 1 blink of the programming LED (carousel mode).

- Setting the "door panel communication time":
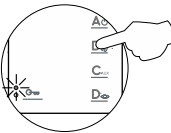
No function with SV-801 S kit video.

- Setting the "door panel call" time:
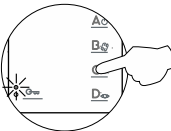
No function with SV-801 S kit video.

- Activating the in-call video: The video appears when a call is received (default setting).
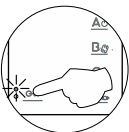
Activating the in-call video: Press button O━ and the programming LED will indicate with 2 blinks that the video will appear on the monitor when a call is received or with 1 blink that the video will appear at the end of the ringtone.

- Accesing "Menu 4" or exiting programming mode:
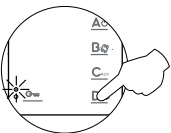
To access **'Menu 4'** press button D⌨ , and the programming LED will blink 4 times.
To exit programming mode, press button D⌨ for 3 seconds, and the programming LED will turn off (see p. 58).

Continue

Coming from previous page

Menu 4:

Then adjust the settings as required:

- Setting to the "default setting", all the monitor's advanced programming options
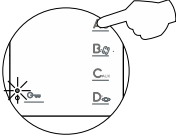
Setting to the 'default setting': Press button A⏻ and the monitor will indicate with two audible tones that all of the options of the monitor's advanced programming (pp. 55-58) are set to their default setting.

- Button B🔔 has no function.
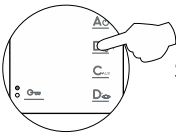
Sin función.

- Button C_AUX has no function.
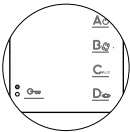
Sin función.

- Button ⊝🔑 has no function.
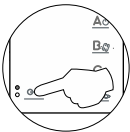
Sin función.

- Accessing 'Menu 1' or exiting programming mode:
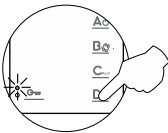
To access **'Menu 1'** press button D🔓, and the programming LED will blink once (see page 55).
To exit programming mode, press button D🔓 for 3 seconds and the programming LED will turn off.

- Turning on the monitor when exiting programming:
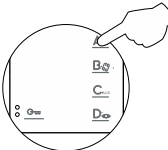
When exiting advanced programming mode, the monitor will turn off: Press button A⏻ or 1 second to turn on the monitor (the monitor's LED will illuminate red). After any resetting of the monitor and for the following 45 seconds, no operation with it can be performed.

D escription of T-540 Plus SE telephone.
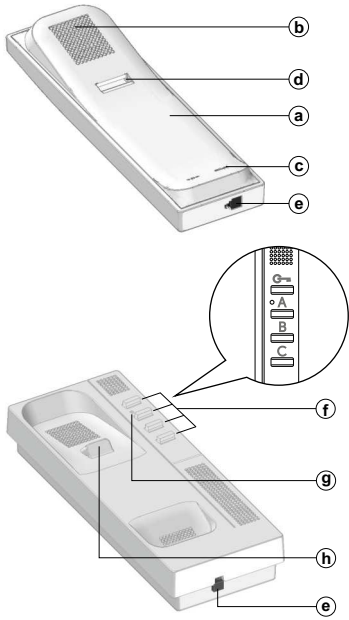
a. Telephone handset.
b. Speaker grille.
c. Microphone hole.
d. Subjection hole.
e. Telephone cord connectors.
f. Function / programming buttons.
g. Telephone status LED:
   -Standby: LED illuminated red.
   -Call: LED illuminated green (master
   telephone).
   -Communication: LED illuminated green.
   -Night mode: LED blinking red.
   -Doctor mode: LED blinking green.
h. Hook switch.

D escription of the connection terminals.

+	−	A	D	AP+	−	HZ-	SA	+	Int	A1

+, - :   Positive, negative (18Vdc power supply).

A , D :   Audio, digital communication.

AP+ :   Auxiliary door release button input.

HZ- :   Door bell button input.

SA :   Output (negative) auxiliary call repeater (max. consumption 250mA).

INT :   Intercom function.

A1 :   Output (negative) auxiliary device activation (max. consumption 50mA)

Function buttons.
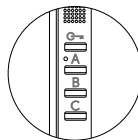
A One short press for 1 second, with the telephone in standby and the handset on the hook, activates ringtone volume mode, with a tone indicating the volume selected. Then each 1 second press (before 5 seconds elapse) selects a ringtone volume level and so on (in carousel mode) with the following selections (maximum, medium, minimum and no volume "night mode". Note: The "night mode" status LED blinks red). During a call process, the telephone will emit a ringtone and exit volume mode.
Regardless of the volume selected, the "apartment interior door call" ringtone will always sound at the highest level.
.
One long press for 3 seconds, with the telephone in standby and the handset on or off the hook, turns the telephone on or off. After any resetting of the telephone and for the following 45 seconds, no operation with it can be performed.

(*) **B** With the handset off the hook, the intercom (in the same apartment) is activated. One long press until a confirmation tone can be heard will call all of the telephones in the apartment. To call individual telephones, press the button once to call the "master" telephone, twice to call "slave 1", 3 times to call "slave 2", 4 times to call "slave 3" and 5 times to call "slave 4". This selective intercom call mode is only available with the T540 Plus SE telephone and the Tekna Plus SE monitor. This only functions if no call or communication is in progress.

(*)**C** Regardless of the position of the handset, the auxiliary device is activated.

⚷ With the handset hung up, a panic call to the guard units configured to receive such calls is made. With the handset off the hook, a normal call can be made to the main guard unit. During call reception and communication processes, it enables the door release to be activated.

(*) In advanced programming mode (see p. 65), the default functions of function buttons **B** and **C** can be changed with one of the following functions at the same time and per button: ("A1" auxiliary device activation, call to secondary guard unit, auto switch-on or intercom).

Description of the SW1 DIP switch (quick programming mode).

The SW1 DIP switch is located in the central part of the circuit, accessible by opening the telephone.
It enables the telephone to be configured as master/slave and an address to be assigned to it.

Important: This type of programming cannot be performed on a general door panel.

*

Dip1 and Dip2: To set the the telephone as master / slave. Dip1 and Dip2 to OFF master, Dip1 to ON and Dip2 to OFF slave 1, Dip1 to OFF and Dip2 to ON slave 2, Dip1 and Dip2 to ON slave 3.

Remind: Up to two monitors and one telephone in each house without extra power supply.

*

Dip3 to Dip10: To set the telephone address.

This kit video SV-801 S, **must be set the telephone only with address "106"**. The switches set to OFF have a zero value..
The values of the switches set to ON are shown in the table below.
The telephone code is the sum of the values of the switches set to ON.

Switch number:	3	4	5	6	7	8	9	10
Value when ON:	128	64	32	16	8	4	2	1

Example: 0+64+32+0+8+0+2+0=106

*Factory default

Fix the telephone to the wall.
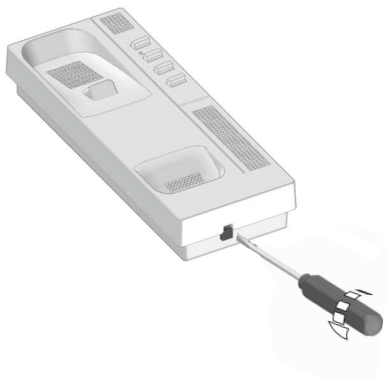
In order to connect the phone and to fix it to the wall, it is necessary to open it.
Put a flat screwdriver in the proper openings as shown in the picture and prise them open.
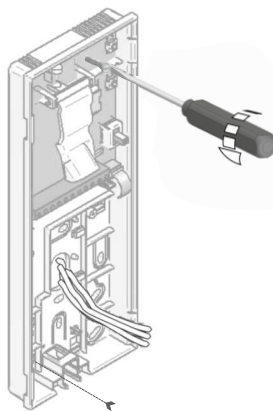
Do not install the device near heat sources, in places with dust or fumes. The phone can be fixed in a universal box or directly to the wall. To fix it directly to the wall, drill two 6mm holes in the position shown in the picture, by means of 6mm screws and Ø3,5 x 25mm screws.
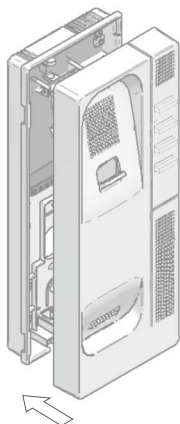
Pass the cables through the proper hole and connect them to the terminal block, as shown in installation diagrams. Close the phone as shown in the picture, then connect the handset by means of the phone cord and hang it up.

Programming the T-540 Plus SE 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.
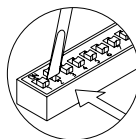
Important: To perform this programming, the telephone's SW1 DIP switches be set to **OFF**.
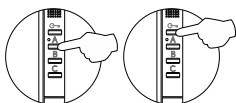
Switch off the telephone to be programmed.
Once switched off, press the door release button.
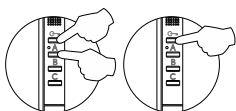
While keeping the door release button pressed, switch on the telephone.
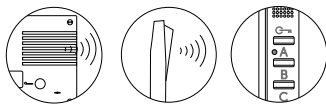
To show that the system is ready for programming, the door panel and the telephone handset will emit a number of tones (the LED on the telephone will illuminate red), enabling the door release button to be released. To establish audio communication with the door panel, lift the handset.
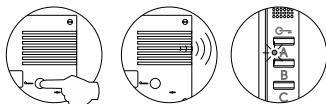
Press the button of the door panel that will call this telephone.
At this moment, the door panel and handset will emit a number of tones (the LED on the telephone will blink red).
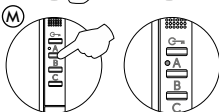
To programme the telephone as *Master*, press button A for 3 seconds (the telephone's LED will illuminate red).

To programme it as *Slave 1*, press button once, and the status LED will blink (green) once. Continue successively to *Slave 4*, pressing button four times, and the status LED will blink (green) four times.
Remind: Up to two monitors and one phone in each house without extra power supply.
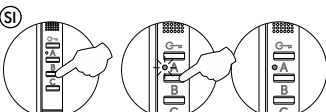
To programme the telephone as *Slave + Intercom*, press button B. and the LED will blink (green) once. Then press button A for 3 seconds (the telephone's LED will illuminate red).

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.
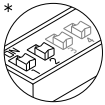
Description of the SW1 DIP switch (quick programming mode).

The SW1 DIP switch is located in the central part of the circuit, accessible by opening the telephone.

It enables the telephone to be configured as master/slave and an address to be assigned to it.
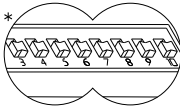
Important: This type of programming cannot be performed on a general door panel.

* Dip1 and Dip2: To set the the telephone as master / slave. Dip1 and Dip2 to OFF master, Dip1 to ON and Dip2 to OFF slave 1, Dip1 to OFF and Dip2 to ON slave 2, Dip1 and Dip2 to ON slave 3.

Remind: Up to two monitors and one telephone in each house without extra power supply.

* Dip3 to Dip10: To set the telephone address.
This kit video SV-801 S, **must be set the telephone only with address "106"**. The switches set to OFF have a zero value..
The values of the switches set to ON are shown in the table below.
The telephone code is the sum of the values of the switches set to ON.

Switch number:	3	4	5	6	7	8	9	10
Value when ON:	128	64	32	16	8	4	2	1

*Factory default   Example: 0+64+32+0+8+0+2+0=106

Advanced programming of T-540 Plus SE telephone.

Advanced programming enables the telephone's default settings to be changed:
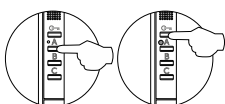
Switch off the telephone to be programmed.
Once switched off, press button ⊙━ for 3 seconds to enter **"Menu 1"** of advanced programming, the telephone will emit a number of tones and the LED will illuminate orange.

Menu 1:

Then adjust the settings as required:

- Cchanging the ringtone melody:

The telephone has different ringtones to identify the origin of the call. The melodies assigned by default to the ringtones can be selected from among others available on the telephone.

Select the ringtone to be changed: Each press on button **B** selects a ringtone which is indicated with blinks (1 to 4 blinks) of the status LED and in the following order: door panel, guard unit, intercom call and "HZ" apartment interior door call. When the final selection is reached, the following press returns the user to the first selection and the status LED blinks once (carousel mode).
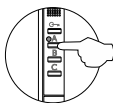
Then select the melody for the ringtone (selected in the previous step) by pressing button. **A** until the required "carousel mode" melody is heard.

Continue

Coming from previous page

- Activating / deactivating the doctor mode function: Doctor mode not activated (default setting).

The "doctor mode" function enables the door release to be activated automatically 5 seconds after making a call from the door panel without having to establish communication or press door release button ⊙━ . The call ends after 20 seconds and the channel is free.
(Only the master telephone should be configured with "doctor mode").
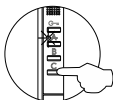
To activate doctor mode: Press button **C** , and the status LED will indicate with 2 blinks that the function is activated or with 1 blink that the function is deactivated.

- Accesing "Menu 2" or exiting programming mode:
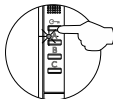
To access **"Menu 2"**, press button ⊙━ , and the status LED will blink twice.
To exit programming mode, press button ⊙━ for 3 seconds, and the status LED will turn off

Menu 2:

Then adjust the settings as required:

- Intercom with Plus telephones /monitors: Intercom with telephones Plus SE /monitorrs-S Plus (default setting).

If an apartment has T-540 Plus telephones, Tekna Plus monitors and Tekna-S Plus monitors and T-540 Plus SE telephones, the Tekna-S Plus monitors and T-540 Plus SE telephone must be configured in "Intercom with Plus telephones / monitors" mode, as T-540 Plus telephones and Tekna Plus monitors do not allow an intercom call to a particular telephone / monitor in the apartment to be made. That way, when an intercom call is made, all of the monitors / telephones in the apartment will receive the call.

To activate the "Intercom with Plus telephones / monitors" mode: Press button **A** , and the status LED will indicate with 1 blink that the function is in "Intercom with Plus telephones /monitors" mode or with 2 blinks that the function is in "Intercom with Plus SE telephones /monitors" mode.

- Changing the function of button B : Intercom function (default setting).
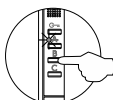
Select the function to assign to button **B** : Each press on button **B** selects a different function which is indicated with blinks (1 to 4 blinks) of the status LED and in the following order: "A1" auxiliary device activation, call to secondary guard unit, auto switch-on and intercom. When the final selection is reached, the following press returns the user to the first selection and the status LED blinks once (carousel mode).

- Changing the function of button C : "A1" auxiliary device activation function (default setting).
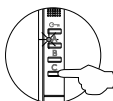
Select the function to assign to button **C** : Each press on button **C** selects a different function which is indicated with blinks (1 to 4 blinks) of the status LED and in the following order: "A1" auxiliary device activation, call to secondary guard unit, auto switch-on and intercom. When the final selection is reached, the following press returns the user to the first selection and the status LED blinks once (carousel mode).

- Accesing "Menu 3" or exiting programming mode:
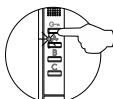
To access **"Menu 3"**, press button ⊙━ , and the status LED will blink twice.
To exit programming mode, press button ⊙━ for 3 seconds, and the status LED will turn off

Continue

Coming from previous page

<u>**Menu 3:**</u>

Then adjust the settings as required:

  - Repeating the ringtones: One repeat (default setting).
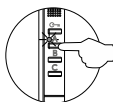
To "repeat the ringtone" on the telephone: Each press on button A selects a repeat of the ringtones which is indicated with blinks (1 to 3 blinks) of the status LED and in the following order: 1, 2 or 3 repeats. When the final selection is reached, the following press returns the user to the first selection and the status LED blinks once (carousel mode).

  - Adjusting the "door panel communication time":
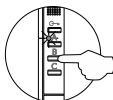
No function with SV-801 S kit video.

  - Setting the "door panel call" time:
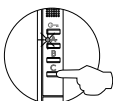
No function with SV-801 S kit video.

  - Accesing "Menu 4" or exiting programming mode:
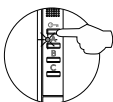
To access **"Menu 4"**, press button <img>, and the status LED will blink twice.
To exit programming mode, press button <img> for 3 seconds, and the status LED will turn off

<u>**Menu 4:**</u>

Then adjust the settings as required:

  - Setting to the "default setting", all the telephone's advanced programming options

To set to the "default value": Press button A, and the telephone will indicate with two audible tones that all of the options of the telephone's advanced programming (p. 8-10) are set to their default value.

  - Button B has no function.

Reserved.

  - Button C has no function.
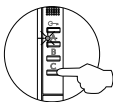
No function.

Coming from previous page

- Accessing "Menu 1" or exiting programming mode:
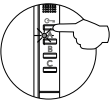
To access
To exit programming mode, press button 🔑 for 3 seconds, and the status LED will turn off.

- Turning on the telephone when exiting programming:
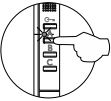
When exiting advanced programming mode, the telephone will be turned off: Press button A for 3 seconds to turn the telephone back on. After any resetting of the telephone and for the following 45 seconds, no operation with it can be performed.

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.

B ackbone code programming.

GOLMAR
         13:15
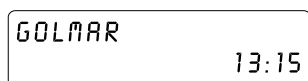
The general door panel enters programming mode after pressing the key button and inserting the installer secret code (factory value 1315). With Code Nexa door panel pressing the key button 3 times and inserting the installer secret code (default setting 2718).

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.

1 0

0 0 1 🔔
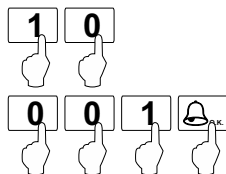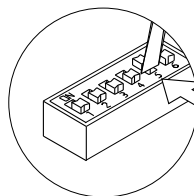
Insert the code of the backbone to be programmed (between 1 and 250), then 001 code and press the bell button. Both door panels will produce tones to indicate that programming has been succesfully carried out.

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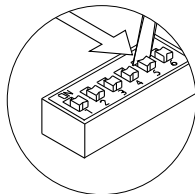
In order to exit program mode, set microswitch number 5 of the detached house door panel to OFF and press "C" button of the general door panel.

After programming the backbone, program monitors and telephones following the instructions shown on page 53-54 and 63.
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).

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

Tekna-S Plus **Tekna-S Plus** **T540 Plus SE**

CN4
CN3 CN2 CN4 CN3 CN2

+	V_{in}	−	V_{out}	A	D
+	−	V_{in}	V_{out}	A	D
+	−	A	D

Tekna-S Plus **D4L-PLUS** **Tekna-S Plus**

CN4 JP1 CN4
CN3 CN2 CN3 CN2

+	−	V_{in}	V_{out}	A	D
D1	E	D2
+	−	V_{in}	V_{out}	A	D

+

Ⓜ = Master.

Ⓢ = Slave.

FA-805 **PVS-295SE** Ⓢ

| PRI | | | SEC | | | |
| 230 | 110 | 0 | ~ | ~ | + | − |

Main

| V_{out-} | V_{out+} | − | V_{in+} | V_{in-} | + | A_{out} | A_{in} | D | CV1 | CV2 | − |

Vca.
Lock release

Tekna-S Plus

CN4

CN3

+	–	V_{in}	V_{out}	A	D

CN2
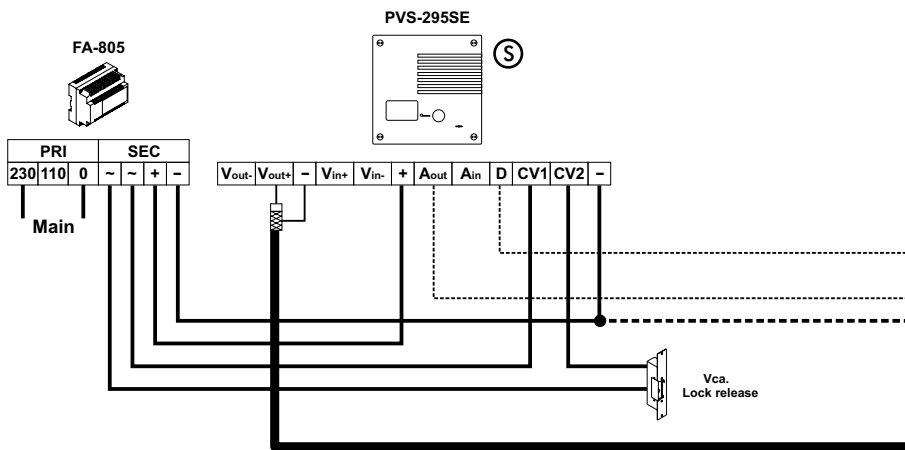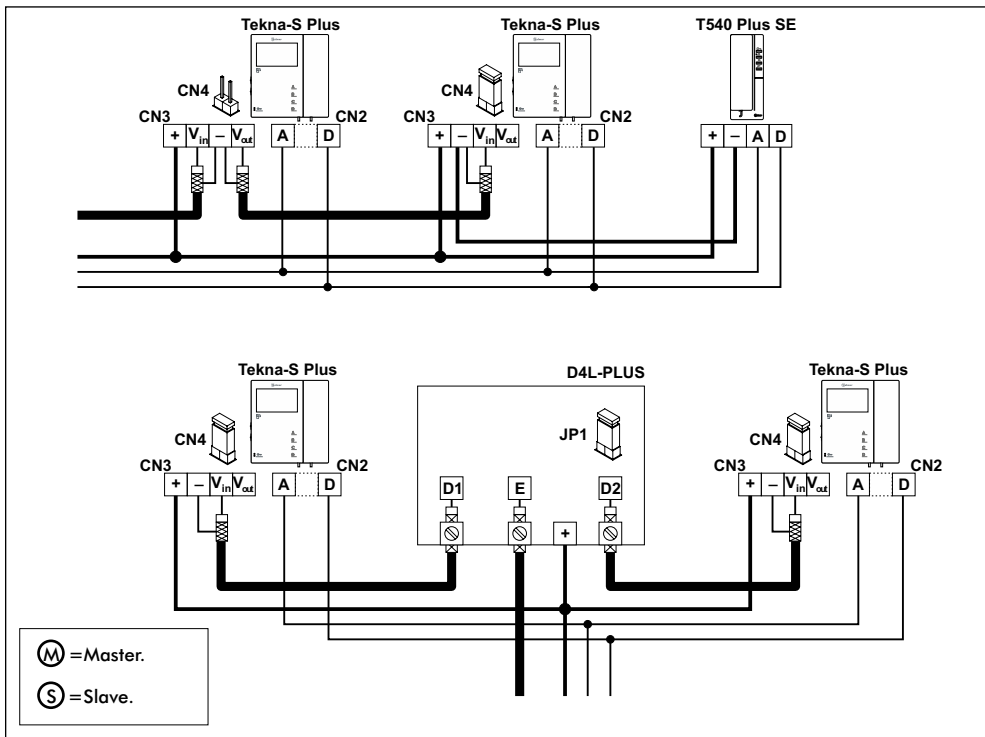
Example of cascade connected devices

Remove CN4 connector jumper from all the monitors (see page 50), 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 73.

FA-805

PVS-295SE Ⓜ

PRI			SEC			
230	110	0	~	~	+	–

Main

V_{out-}	V_{out+}	–	V_{in+}	V_{in-}	+	A_{out}	A_{in}	D	CV1	CV2	–

**Vca.
Lock release**

71
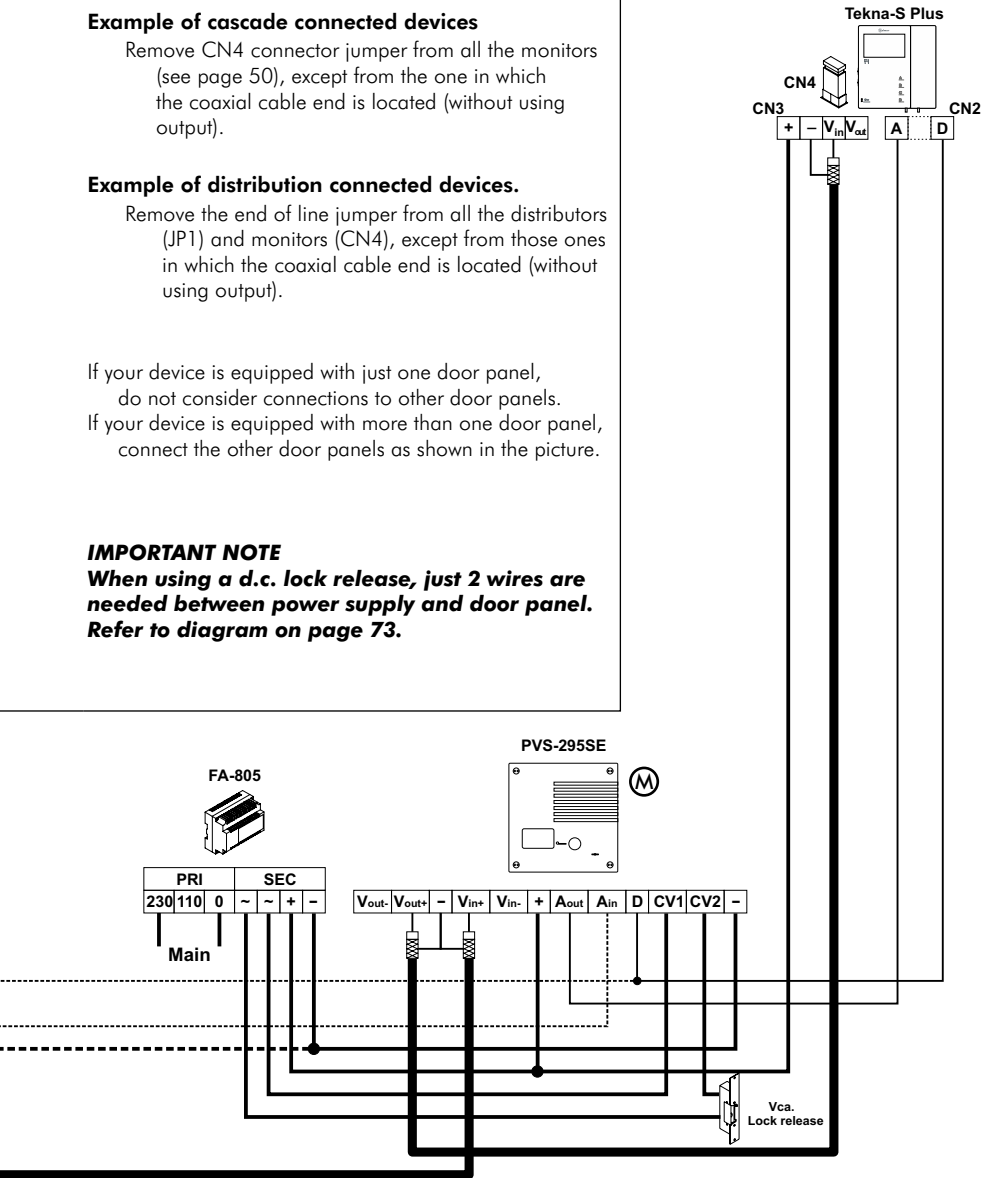
One or more accesses, alternative current lock release and twisted pair.
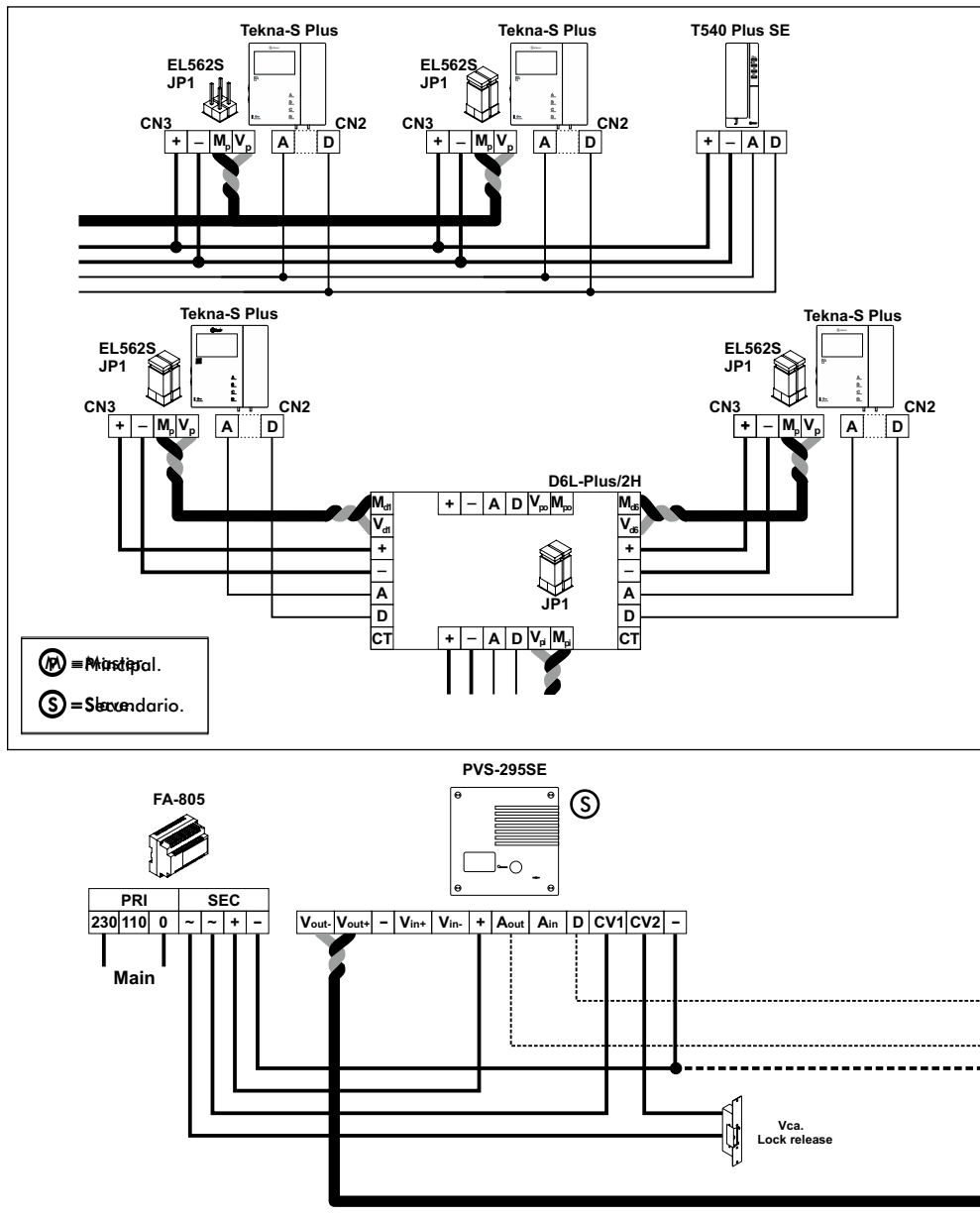
Example of cascade connected devices.
Remove jumper JP1 of all EL562S circuits
from monitors (see page 50),
except from the one in which the
twisted pair end is located.

Example of distribution connected devices.
Remove the end of line jumper from all the
distributors (JP1) and all EL562S (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 73.

Tekna-S Plus

EL562S JP1

CN3 | + | − | Mₚ | Vₚ | A | D | CN2

FA-805

PVS-295SE

PRI			SEC			
230	110	0	~	~	+	−

Main

Vout- | Vout+ | − | Vin+ | Vin- | + | Aout | Ain | D | CV1 | CV2 | −
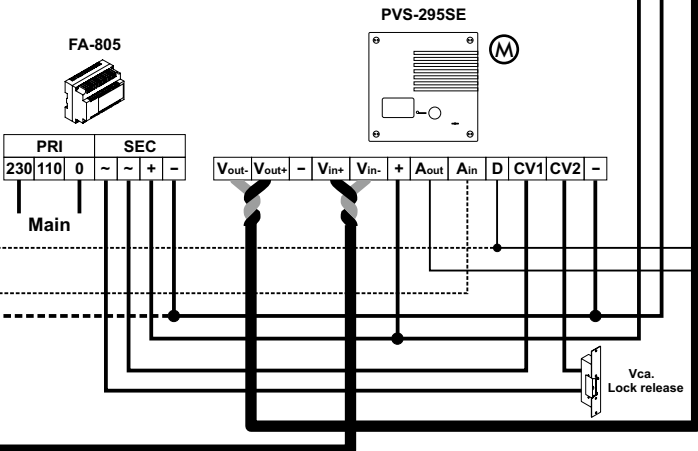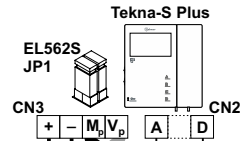
Vca. Lock release

Lock release connection.

<u>d.c. lock release</u>

FA-805   *JP1*

PRI			SEC				PVS-295SE			
230	110	0	~	~	+	−	+	−	CV2	CV1	D

Main

<u>a.c. lock release</u>

FA-805   *JP1*

PRI			SEC				PVS-295SE			
230	110	0	~	~	+	−	+	−	CV2	CV1	D

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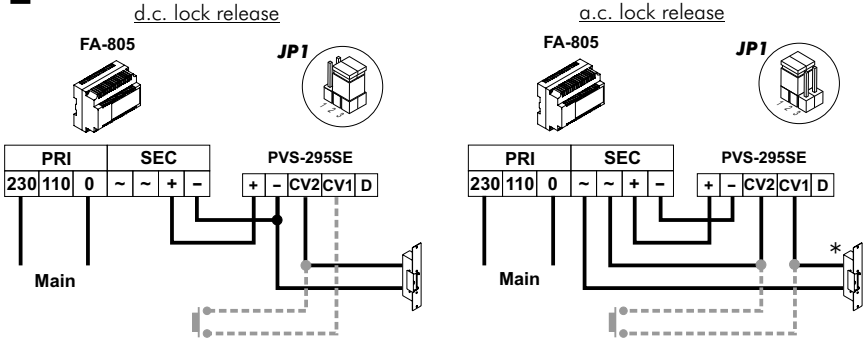
In order to open the door in any moment by means of an external button, connect the button between door panel terminals 'CV1' and 'CV2' as shown in the diagram.
This function allows the user to exit the building without using any key.

* **Important:** Place the varistor supplied with the KIT SV801 S directly onto the terminals of the lock release.

Sections chart.

	Sections up to	
Power supply / Door panel / Lock release	**50m.**	**100m.**
$+, -$, CV1, CV2	1,00mm²	2,50mm²
$\sim$	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 20°C Copper core Copper shield	$\leq$158 Ω/Km $\leq$10 Ω/Km
	Nominal capacitance	$\leq$67pf/m
	Characteristic impedance	75 ± 3 Ω
	Velocity of Propogation	$\geq$66,6 %

A uxiliary devices activation with Tekna-S 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 C_{AUX} monitor push button at any moment with no dependence of the handset position.

Usual applications are the activation of stairs light, second lock release, …
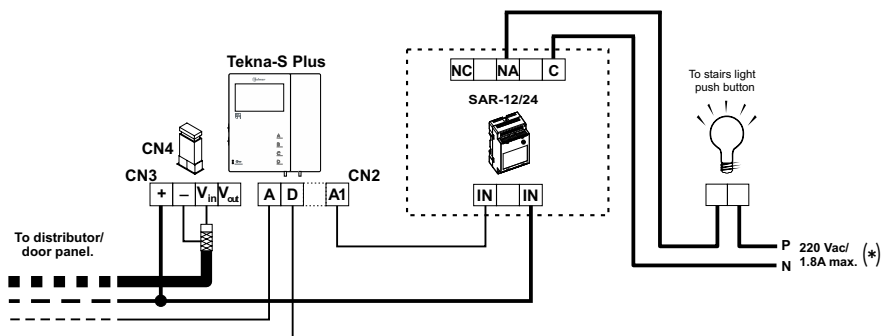
(*) The neutral supply from the stairs light will be wired through the relay contacts SAR-12/24, the maximum current for stairs light will be 1.8A.

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.
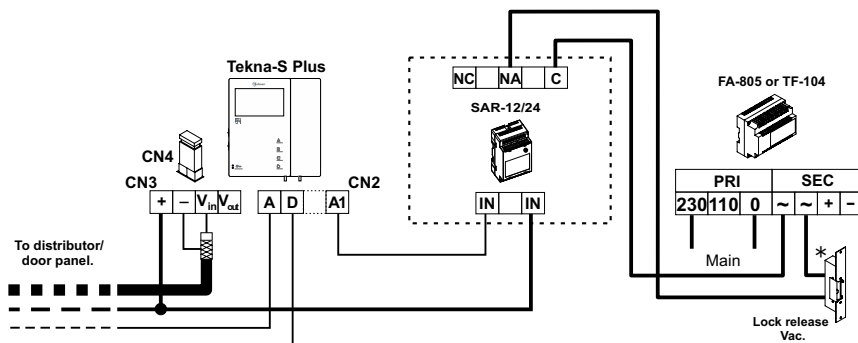
*Important: Place the varistor supplied with the KIT SV801 S directly onto the terminals of the lock release.

A ctivation of a second camera.

To activate a second camera, it is necessary to use an SAR-12/24 relay unit and to change the configuration of function button B❀ or C␣AUX on the monitor, as described on p. 56.

To activate this function, press the button configured for this function on the monitor during an auto-spy, call or communication process.

If the feature is shared by all monitors, join their 2C terminals; if, however, each monitor or a group of monitors has its own camera, use an SAR-12/24 relay for each one and do not connect the 2C terminals of the different groups.

This function can be used to activate anything else, as described in the section on activation of auxiliary devices, but through the 2C terminal.

The most common applications could be to monitor access to the lift, to the entrance hall, etc.

2nd Camera

Tekna-S Plus

NC **NA** **C**

SAR-12/24

CN4

CN3 **CN2**

+ **−** **V$_{in}$** **V$_{out}$** **A** **D** **2C**

IN **IN**
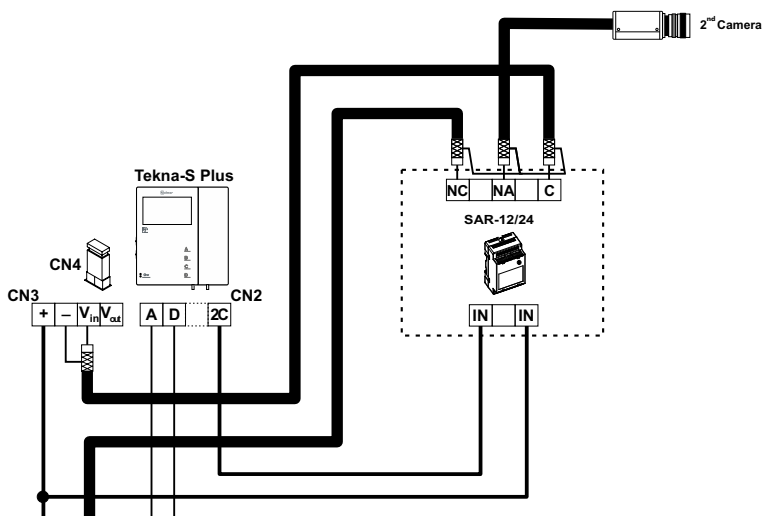
E xternal lock release activation with Tekna-S Plus monitor and T-540Plus SE telephone.

During call reception and communication progresses allows the lock release activation, by using an external push button.

With the monitor / telephone in standby, it makes a panic call to the porter's exchanges configured to receive this type of call.

Tekna-S Plus **T-540 Plus SE**

CN2

− **AP+** **−** **AP+**
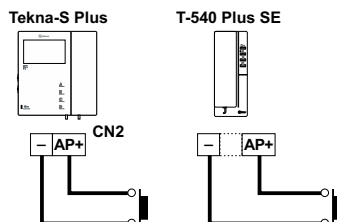
ntercom function.

The Tekna S Plus monitor and T-540 Plus SE telephone features as standard an intercom function between two points in the same apartment. To enable this function, the following is necessary:

- One of the monitors needs to be configured as master and the other as slave with intercom, as described on pages. 53 and 63. In the case of intercom between a monitor and a telephone, it is recommended to configure the monitor as the master.

To use the intercom function to call all of the monitors/ telephones in the apartment, lift the handset and long press the button on the Tekna-S Plus monitor or in the T540 Plus SE telephone until a confirmation tone can be heard. To establish an intercom communication with T-540Plus telephone, lift the handset and press the intercom push button, acoustic tones will be reproduced on the handset confirming the call is in progress. To call individual devices, short press the button on the Tekna-S Plus monitor or T540 Plus SE telephone once to call the "master" monitor, twice to call "slave 1", 3 times to call "slave 2", 4 times to call "slave 3" and 5 times to call "slave 4". Only functions if no call or communication is in progress. A number of audible tones emitted by the handset will confirm that the call is being made or that the unit being called is in communication with the door panel. To establish communication, lift the handset of the unit being called. If a call is received from the door panel during an intercom process, the handset of the master unit will emit a number of audible tones and an image will appear. To establish communication with the door panel, press button D_∞ on the unit (monitor) configured as master or press the door release push button to simply open the door.

Remind: Up to two monitors and one phone in each house without extra power supply.

The ringtones vary depending on where the call is made from to enable the user to identify its origin.

Note: If the apartment also has Tekna Plus monitors or T-540Plus telephones, the Tekna-S Plus monitors and T-540 Plus SE telephones must be configured as "Intercom with Plus monitors/ telephones" (see page 56 and 65). This configuration mode does not allow selective intercom calls to different monitors/ telephones in the apartment; when the intercom button is pressed, all of the monitors/ telephones in the apartment will receive the call.

A uxiliary devices activation with T-540 Plus SE telephone.

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-540 Plus SE telephones, link their 'A1' 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 'A1' telephone terminals.
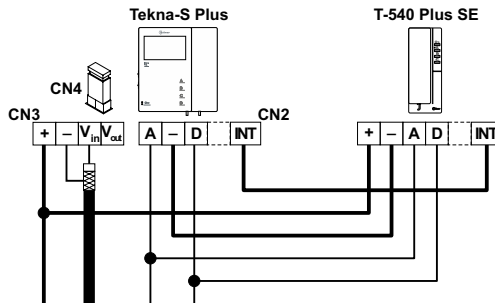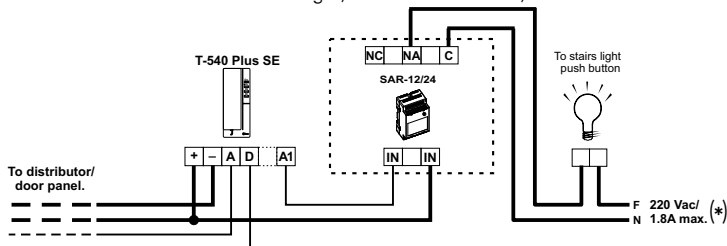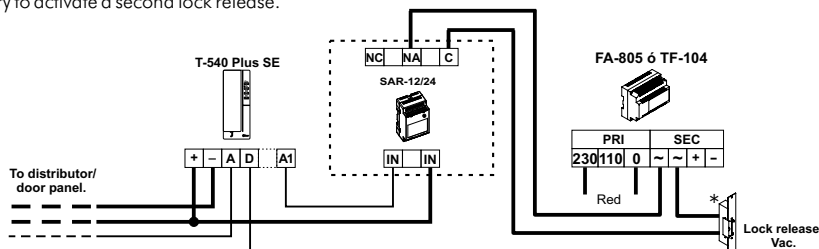
To activate this function, press C telephone push button at any moment with no dependence of the handset position.

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

T-540 Plus SE

NC **NA** **C**

SAR-12/24

To stairs light push button

+ **−** **A** **D** **A1**

IN **IN**

To distributor/ door panel.

F 220 Vac/ (∗)
N 1.8A max.

(∗) 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 (max.current 1,5A) will be necessary to activate a second lock release.

T-540 Plus SE

NC **NA** **C**

SAR-12/24

FA-805 ó TF-104

+ **−** **A** **D** **A1**

IN **IN**

To distributor/ door panel.

PRI			SEC		
230	110	0	~	~	+	−

Red

∗ **Lock release Vac.**

∗ **Important:** Place the varistor supplied with the KIT SV801 S directly onto the terminals of the lock release.

D oor bell push button connection.

The Tekna-S Plus monitor and the T-540 Plus SE telephone can be used to receive the calls made from the apartment door, saving the use of a bell. Wire the push button of the apartment door to the 'HZ−' and '−' monitor or telephone terminals.

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

T-540 Plus SE

Tekna-S Plus

− **HZ**

HZ- **−** **CN2**
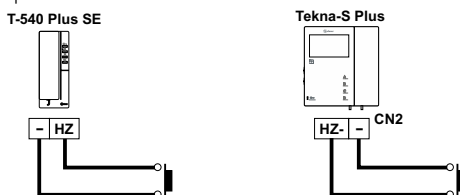
☞ Your device does not work.
  ☙ Make sure that power supply output tension between terminals '−' and '+' remains between 17,5 and 18,5Vd.c. Otherwise, disconnect the power supply from the system and measure tension again. If it is correct, there is a short circuit in the installation. Disconnect the 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 46. 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 45).
  ☙ Make sure that the connection has been carried out acccording to the type of lock release installed (see page 73).
  ☙ 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 73). 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 73.

☞ The device cannot be programmed.
  ☙ Make sure that number 2 in the configuration switch is set to ON (see page 45) and that the program sequence is correct (see pages 53-54 and 63).
  ☙ 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 45).
  ☙ Check the proper connection of coaxial cable or twisted pair by means of the diagrams shown on pages 69 to 72.

☞ 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 69 to 72, pay particular attention to the cable correct polarity.

Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto a la Seguridad eléctrica **2014/35/CEE** y la Compatibilidad Electromagnética **2014/30/CEE**.

*This product meets the essentials requirements of applicable European Directives regarding Electrical Safety **2014/35/CEE,** Electromagnetic Compatibility **2014/30/CEE**.*

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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