PLUS TECHNOLOGY

golmar
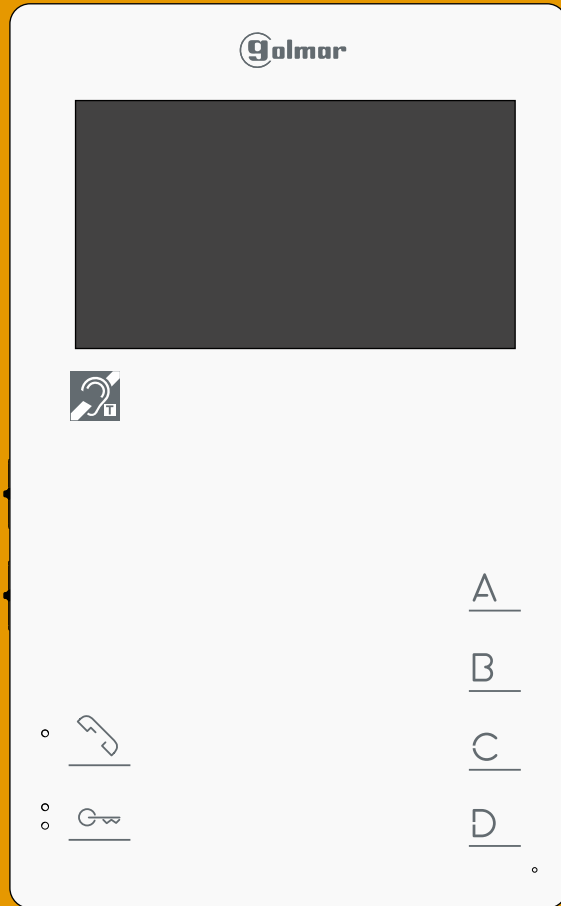
MONITOR TEKNA HF PLUS PLUS DIGITAL SYSTEM

INTRODUCTION

First of all, we thank and congratulate you for purchasing this product manufactured by Golmar.

Our commitment to achieving the satisfaction of customers like you is manifested through our ISO-9001 certification and the manufacture of products like the one you have just purchased.

Its advanced technology and strict quality control will ensure that customers and users enjoy the numerous features that this device offers. To get the most out of them and ensure proper operation from day one, we recommend that you read this instruction manual.

CONTENTS

SAFETY PRECAUTIONS

- Avoid overtightening the screws of the monitor connector.

- **Always disconnect the power supply** before installing or making modifications to the device.

- The fitting and handling of these devices must be carried out by **authorised personnel.**

- All of the wiring must run at least **40cm away from any other wiring.**

- Install the monitor in a dry protected location free from the risk of dripping or splashing water.

- Do not place in humid, dusty or smoky locations, or near sources of heat.

- Before connecting the system to the mains, check the connections between the door panel, power supply, distributors and monitors.

- Always follow the instructions contained in this manual.

CHARACTERISTICS

- Monitor for Plus/Uno installation.
- 4.3" TFT colour screen.
- Monitor with 3 common wires plus coaxial cable.
- Monitor with 4 common wires + plus twisted pair.
- Monitor with UTP cabling and RJ-45 connector.
- Enables communication with hearing aids equipped with T-mode, making conversation possible (inductive loop).
- Function and advanced programming access buttons (to customise the monitor's functions).
- Completely private conversation and image.
- Auto switch-on function.
- Auto spy function without occupying a channel.
- 'Doctor mode' function (automatic door opening, see p. 11).
- Intercom between two devices in the same apartment.
- Input for calls from the apartment front door.
- Call volume control (maximum, medium, minimum and no volume 'night mode.' See p. 5).
- Input for outside door release button.
- Output to auxiliary call repeater.
- Call to main and secondary guard unit.
- Panic call to guard units.
- Different ringtones to identify call origin: Door panel, guard unit, intercom and interior door of the apartment.
- Activation of two auxiliary functions: second camera, courtesy lights, etc.
- Control of brightness and colour.
- DIP switches for setting the 'call code' monitor address and master/slave (quick programming mode).
- Lock release button.
- Monitor status LED.
- Indicator LED ✎ .
- Programming LED.

SYSTEM OPERATION

- To make a call, the visitor presses the button for the apartment, a number of audible tones indicate that the call is being made and LED 🔔 on the door panel illuminates. At this moment, the apartment's monitor receives the call. If the visitor presses the button for another apartment by mistake, the call can be cancelled by pressing the button for the correct apartment.
- In systems with several access doors, the other door panel(s) automatically disconnects; if another visitor attempts to call, a number of telephone tones will indicate that the channel is busy and LED 🖐 on the door panel will illuminate.
- <u>General entrance door panels (mode EL501)</u>: If the call is being made from the general entrance door panel, the interior door panel of the building being called and other possible general entrance door panels automatically disconnect. If another visitor attempts to call from either a busy interior door panel, a number of telephone tones will indicate that the channel is busy and LED 🖐 of the door panel will illuminate, or from another general entrance door panel, a number of telephone tones will indicate that the channel is busy and LED 🖐 of the general entrance door panel will blink for 3 seconds. The door panels of the other interior buildings will remain free to be used.
- <u>General entrance door panels (mode EL501)</u>: If the call is made from an interior door panel, the other interior door panels will remain free to be used. It is only possible to make calls to interior buildings from the general entrance door panels when their door panels are not in use. If an attempt is made to make a call to a busy interior door panel, a number of telephone tones will indicate that the channel is busy and LED 🖐 of the general entrance door panel will blink for 3 seconds.
- The call lasts for 45 seconds, during which time an image appears on the apartment's master monitor for 2 seconds after the call is received without the visitor knowing, and the status LED and indicator LED ✎ of the master and slave monitor(s) will illuminate (green). If the call is not answered within 45 seconds, the status LED on the master and slave monitors will illuminate (red) and indicator LED ✎ on the master and slave monitor(s) will turn off. LED 🔔 on the door panel will turn off and the channel will become free.
- To establish communication, press button ✎ on the monitor, indicator LED ✎ will blink (green) and LED 🎧 on the door panel will illuminate. <u>Communication with hearing aid</u> 🦻: Make sure that the hearing aid is 15-20 cm away from the monitor to ensure maximum audio quality during communication with the door panel. **Remember:** Set the hearing aid switch to position T.
- Communication will last for one and a half minutes or until button ✎ is pressed again. Once communication is complete, the monitor's status LED will illuminate (red), indicator LED ✎ on the monitor and LED 🎧 on the door panel will turn off and the channel will become free.
- To open the door, press door release button ⚷ during the call or communication processes: one press will activate the lock release for 3 seconds and LED 🔓 will also illuminate for 3 seconds.
- A description of the function buttons can be found on p. 5.

DESCRIPTION OF THE MONITOR

Description of the Tekna HF Plus monitor:

Hands-free monitor for the Plus system with button and coded panels.
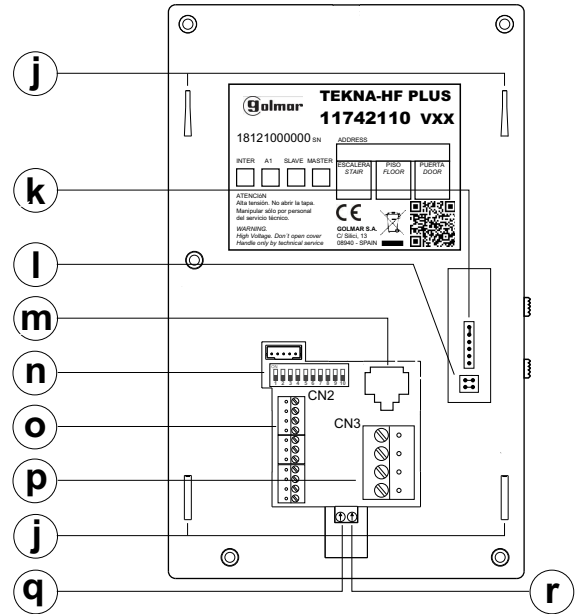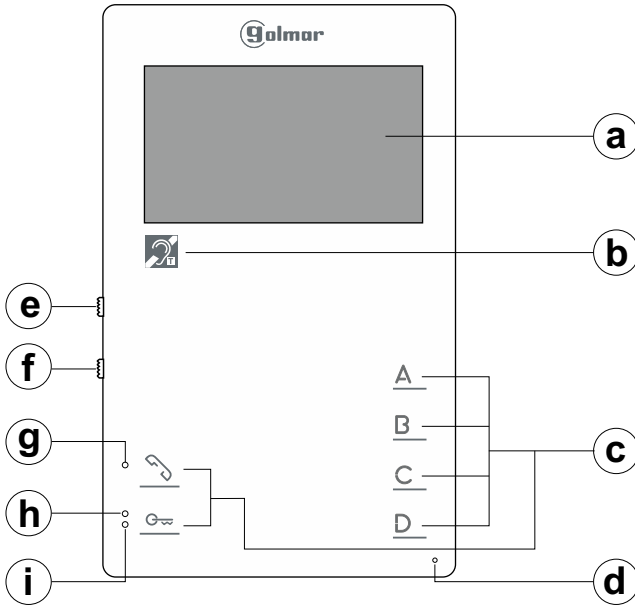
a. 4.3" TFT colour screen
b. Communication with hearing aid. Set the hearing aid switch to position T.
c. Function/programming buttons.
d. Microphone.
e. Brightness control.
f. Colour control.
g. Indicator LED (two-colour):
   - In call: green LED illuminated.
   - In communication: green LED blinking.
   - Function press ✎ to talk:
     When ✎ is pressed, LED illuminated yellow.
     When ✎ is released, LED blinking yellow.
h. Advanced programming LED.
i. Led (bicolor) estado monitor:
   - Standby: LED illuminated red.
   - Call: LED illuminated green.

- Communication: LED illuminated green.
- Auto spy if Bus busy: LED blinking red rapidly.
- Night mode: LED blinking red.
- Doctor mode: LED blinking green.
j. Connector fixings.
k. CN4 connector (end of line).
l. JP1 jumper, remove in video installation with twisted pair (see 'EL562S module' p. 6).
m. RJ-45 connector (installation with UTP cable).
n. SW1 DIP switches.
o. CN2 connection terminals.
p. CN3 connection terminals.

Handling by authorised personnel:
q. Monitor microphone volume control.
r. Monitor speaker volume control.

Description of the connection terminals:

CN3 connection terminals:

−	+	Vin / MP	Vout / VP
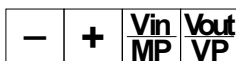
−, + : Negative, positive (18Vdc power supply).
Vin : Video signal input through coaxial cable.
− : Coaxial cable mesh.
Vout : Video signal output through coaxial cable.
Vp, Mp : Balanced video signal (through twisted pair).

CN2 connection terminals:

A	−	D	HZ-	−	AP+	INT	2C	A1	+	SA

A : Audio communication.
D : Digital communication.
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).

DESCRIPTION OF THE MONITOR

Function buttons:

Start/stop communication button.
<u>With the terminal in standby:</u>
   One short 1-second press activates the monitor in function mode (for 5 seconds).
<u>During a communication process:</u> it activates the talk/listen function.

A <u>With the monitor in standby:</u> One long 2-second press activates 'ringtone volume' mode, with a tone indicating the current volume selected. Then each long 2-second press (before 5 seconds elapse) selects a volume level: maximum, medium, minimum and no volume 'night mode' and so on (carousel mode). Note: The 'night mode' status LED blinks red.
<u>With the monitor in standby, function mode, call or communication:</u> One long 3-second press turns off the monitor. Then one short 1-second press turns on the monitor.

(∗) **B** <u>With the monitor in function mode:</u> It activates the intercom (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 HF Plus / Tekna Plus SE monitors and the T540 Plus SE telephone. This only functions if no call or communication is in progress.

(∗) **C** Auxiliary device 'A1' is activated (with the terminal in standby or function, call, communication or intercom mode).

D <u>With the monitor in standby:</u> It 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).
<u>With the monitor in function mode:</u> It enables audio and video communication with the door panel to be established if it has its auto switch-on function activated. This only functions if no communication is in progress.
<u>In call:</u> A slave monitor enables the image of the door panel to be captured.

⊶ <u>With the monitor in standby:</u> A panic call to the guard units configured to receive such calls is made.
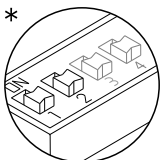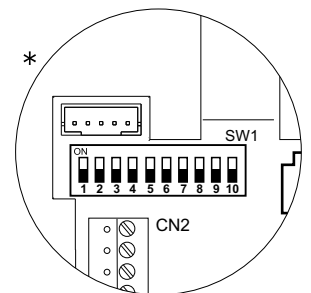<u>With the monitor in function mode:</u> It enables a normal call to the main unit to be made. During call reception and communication processes, it enables the lock release to be activated.

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

Description of the SW1 DIP switch:

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 entrance door panel.

DIP 1 and DIP 2: Sets 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.

DIP 3 to DIP 10: To set the monitor address (addresses 1 to 255). 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 no.:	3	4	5	6	7	8	9	10
Value when ON:	128	64	32	16	8	4	2	1

*Factory setting

Example: 0+64+0+16+0+4+2+1=87

DESCRIPTION OF THE MONITOR

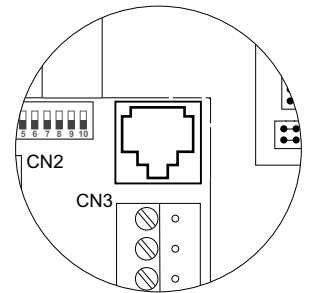### *Description of the RJ-45 connector (installation with UTP cable):*

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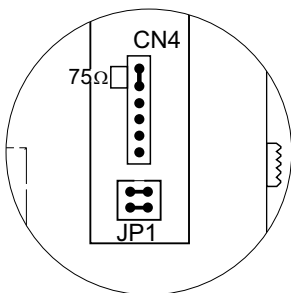
RJ-45 equivalence table

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
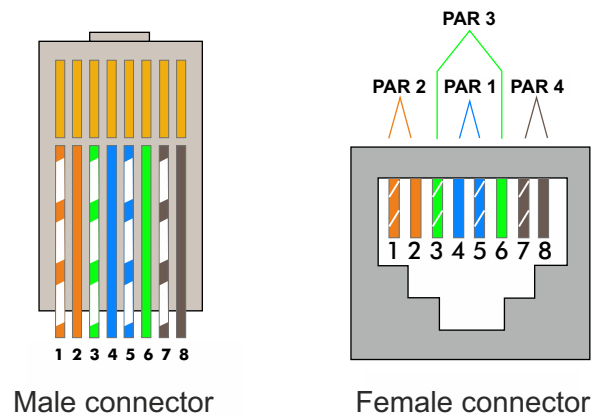
MONITOR SETTINGS

Handling of the end of line jumper:

The end of line jumper is located on the CN4 connector at the back of the monitor.
In the case of twisted pair installations, the end of line jumper is located in the EL562 module (see next section).
Do not remove the jumper if the video cable ends in the monitor. Remove the jumper if the video cable continues after the monitor.

EL-562S module for video door entry system installations with twisted pair cable:
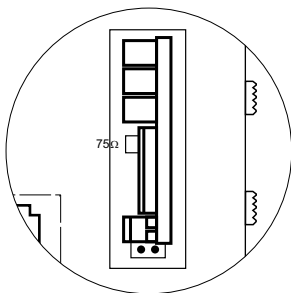
Locate the CN4 connector at the back of the monitor.
To insert the EL-562S module, first remove the jumper located in the CN4 connector and JP1 of the monitor.

NOTE: In this type of installation, set the SW1-3 DIP switch on the sound module of the door panel to ON, see the **T632/Plus P/T** instruction manual (p. 13) or set the SW1-3 DIP switch of the EL500SE microprocessor to ON, see the **T5000 ML** manual (p. 7). The door panel of the SV801SE GRF kit does not require modification.
Use the specific wiring diagram.

INSTALLING THE MONITOR IN A WALL MOUNTING CONNECTOR

Avoid dusty or smoky environments or locations near sources of heat.

Positioning the wall mounting connector:

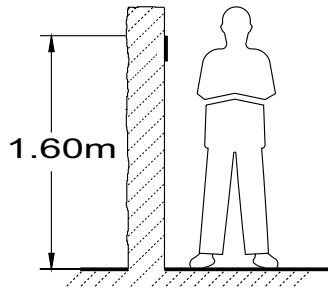The top of the connector must be positioned at a height of 1.60m. The minimum distance between the sides of the connector and the closest object must be 5cm.

Fixing 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.
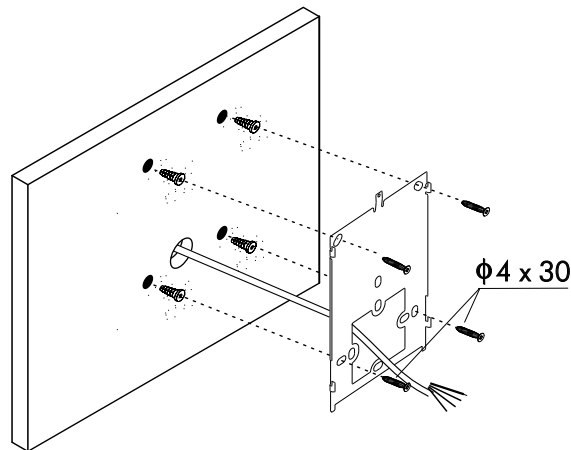
Positioning the monitor:

Connect the cables to the monitor (see p. 4), 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 to remove the protective covering from the front of the monitor once installation is complete.
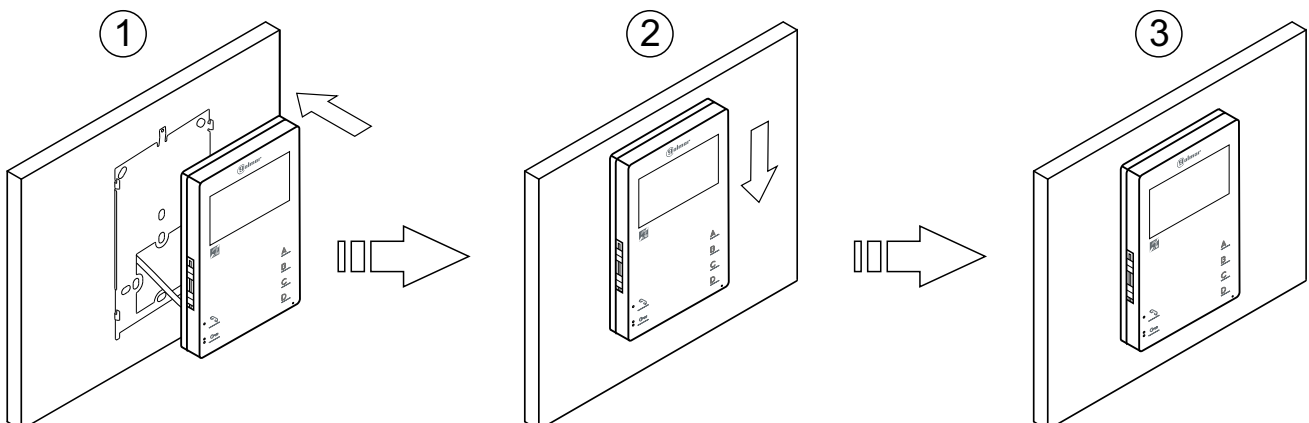
INSTALLING THE MONITOR IN AN EMBEDDING BOX

Avoid dusty or smoky environments or locations near sources of heat.

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 5cm.

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.
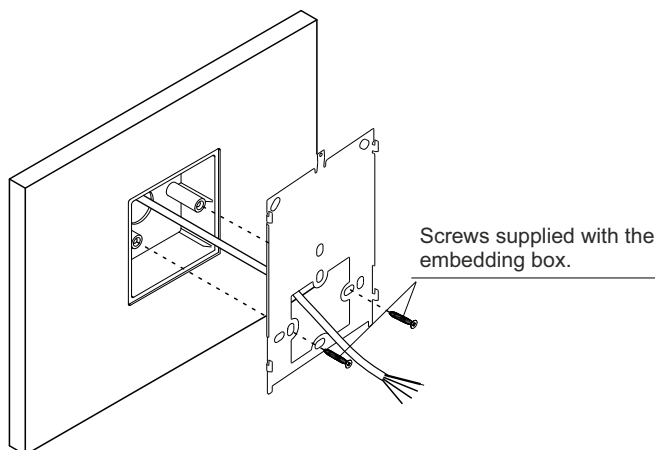
Screws supplied with the embedding box.

Positioning the monitor:

Connect the cables to the monitor (see p. 4), 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.

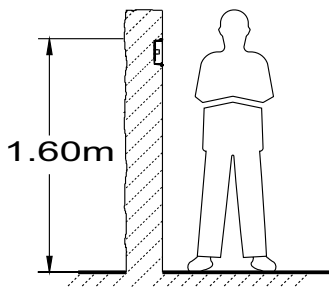**Remember to remove the protective covering from the front of the monitor once installation is complete.**
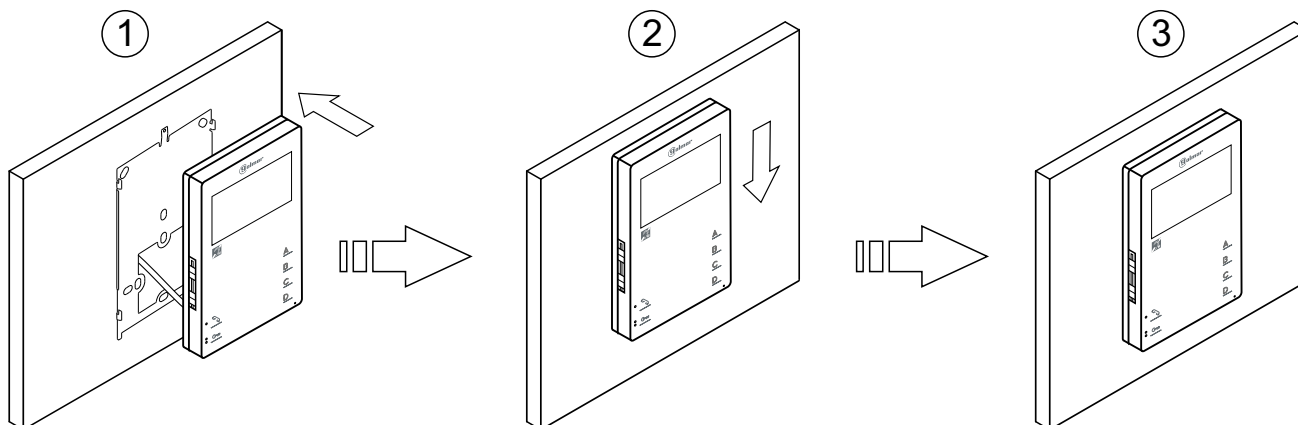
PROGRAMMING THE MONITORS

Programming the TEKNA HF PLUS monitor:

Locate the SW2 DIP switch on the EL632 Plus sound module of the door panel or the EL500SE microprocessor and set to ON.
In systems with more than one door panel, only perform this procedure on the main panel of each building.

Important: To perform this programming, the monitor's SW1 DIP switch should be set to **OFF**.

Turn off the monitor to be programmed (press button A for 3 seconds). Once switched off, press door release button ⊙⟿.
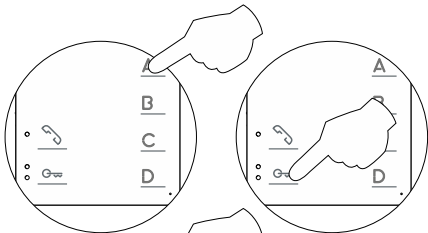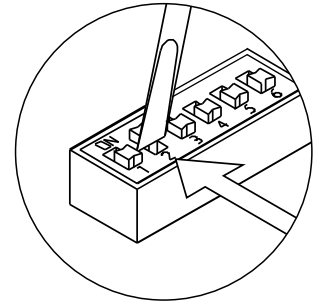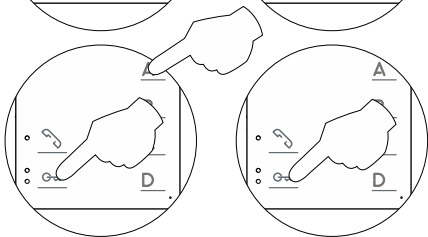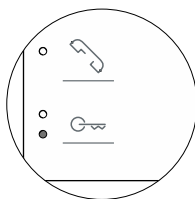
Press and hold door release button ⊙⟿ and, without releasing it, switch on the monitor (press button A for 1 second).
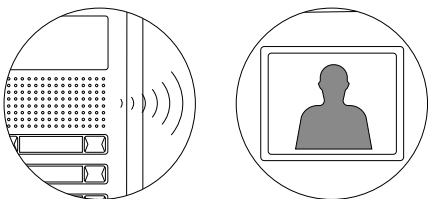
To show that the device is ready for programming, the door panel and monitor will emit a number of tones (the status LED on the monitor will illuminate red), enabling door release button ⊙⟿ to be released. To establish audio communication with the door panel, press button ✎.
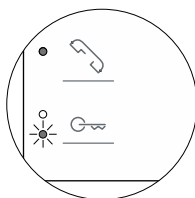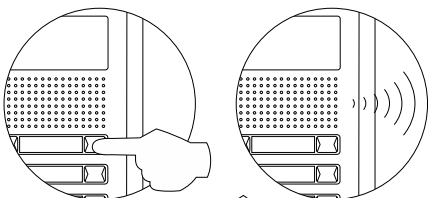
Press the door panel button that will call this monitor. At this moment, the door panel and monitor will emit a number of tones (the status LED on the monitor will blink red and the indicator LED will illuminate red.
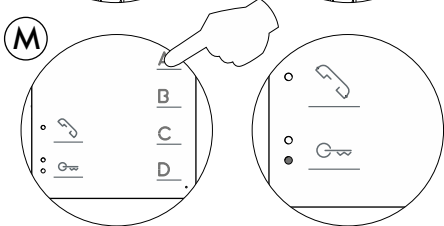
M
To programme the monitor as *Master*, press button A for 3 seconds (the monitor's LED will illuminate red).
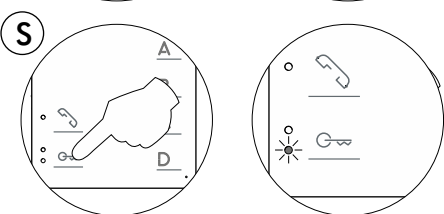
S
To programme it as *Slave 1*, press button ⊙⟿ once and the status LED will blink (green) once. Continue successively to *Slave 4*, pressing button ⊙⟿ four times and the status LED will blink (green) four times.
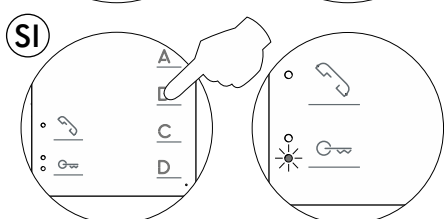
SI
To programme it as *Slave + Intercom*, press button B and the LED will blink (green) once.

PROGRAMMING THE MONITORS

Continued from previous page.
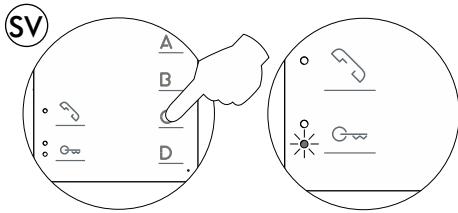
To programme it as **Slave without video** (in call), press button C and the status LED will blink (green) once. If button C is pressed again, the monitor will return to being programmed as **Slave with video** (in call) and the status LED will blink (green) twice. The door panel video will be displayed during a call if programmed to do so:

Each apartment must only have one master unit; if there are parallel units, either monitors or telephones, they must be configured as slaves.
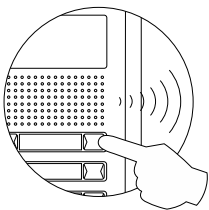
Make a call to check that the monitor has been successfully programmed. Programme the other monitors in the same way.
Once the programming has finished, set the programming switch to OFF. If this is not done, the door panel will emit tones to indicate that the system is still in programming mode.

Quick programming Tekna HF Plus monitors:

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 entrance door panel.

DIP 1 and DIP 2: Sets 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.

DIP 3 to DIP 10: To set the monitor address (addresses 1 to 255). 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 no.:	3	4	5	6	7	8	9	10
Value when ON:	128	64	32	16	8	4	2	1

Example: 0+64+0+16+0+4+2+1=87

*Factory setting

ADVANCED PROGRAMMING (MONITOR FUNCTIONS)

Advanced programming of the functions of the Tekna HF Plus monitor:

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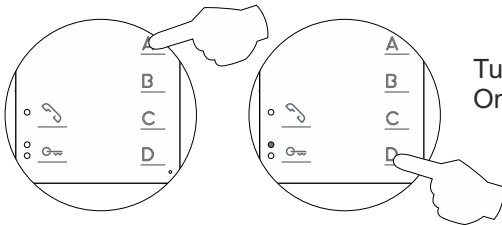
Turn off the monitor to be programmed (press button A for 3 seconds).
Once switched off, press button D for 3 seconds to access **'Menu 1'** of advanced programming and the programming LED will illuminate.

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 becomes free.
(Only the master monitor should be configured with 'doctor mode').
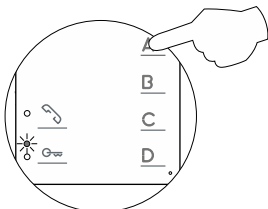
To activate doctor mode: Press button A and the programming LED will indicate with 2 blinks that the function is activated (and the status LED will blink green) or with 1 blink that the function is deactivated.

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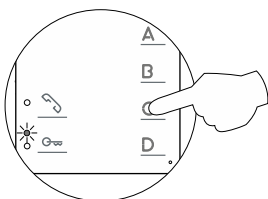
Select the ringtone to be changed: Each press on button C selects a ringtone which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: door panel, guard unit, intercom call and 'HZ' apartment front door call. When the final selection is reached, the following press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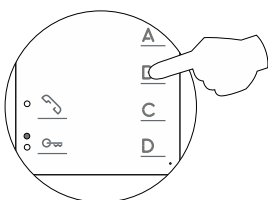
Then select the melody for the ringtone (selected in the previous step) by pressing button B until the required 'carousel mode' melody is heard.

- **Accessing 'Menu 2' or exiting programming mode:**
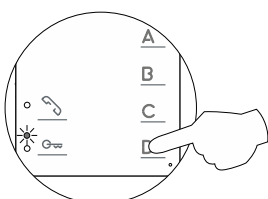
P¡To access **'Menu 2,'** press button D and the programming LED will blink twice.
To exit programming mode, press button D for 3 seconds, and the programming LED will turn off (see p. 14).

ADVANCED PROGRAMMING (MONITOR FUNCTIONS)

Continued from previous page.

Menu 2:

Then adjust the settings as required:

- Button A has no function.
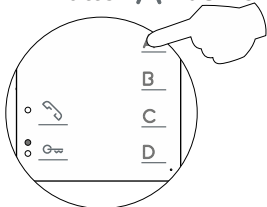
No function.

- Changing the function of button B : Intercom function (default setting).
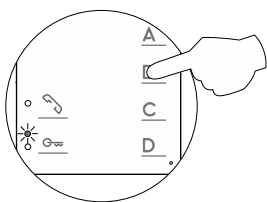
Select the function to assign to button B: Each press on button B selects a different function which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: auxiliary device activation 'A1', call to secondary guard unit, second camera activation '2C' and intercom. 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 C : Activation of auxiliary device 'A1' function (default setting).
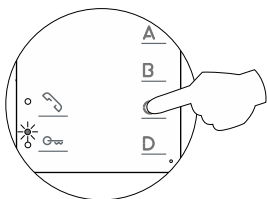
Select the function to assign to button C: Each press on button C selects a different function which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: auxiliary device activation 'A1', call to secondary guard unit, second camera activation '2C' and intercom. 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).

- Tekna Plus intercom monitors: Tekna Plus SE and Tekna HF Plus intercom monitors (default setting).

If an apartment has Tekna Plus, Tekna Plus SE and Tekna HF Plus monitors, the Tekna Plus SE and Tekna HF Plus monitors should be configured in 'Intercom with Tekna Plus monitors' mode, as the Tekna Plus monitor does 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.
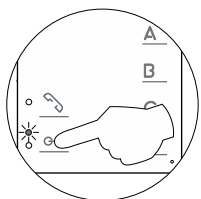
To activate the Intercom with Tekna Plus monitors mode: Press button ⚿ and the programming LED will indicate with 1 blink that the function is in 'Intercom with Tekna Plus monitors' mode or with 2 blinks that the function is in 'Intercom with Tekna HF Plus/Tekna Plus SE monitors' mode.

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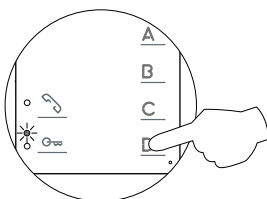
To access **'Menu 3,'** press button D and the programming LED will blink three times.
To exit programming mode, press button D for 3 seconds, and the programming LED will turn off .

ADVANCED PROGRAMMING (MONITOR FUNCTIONS)

Continued from previous page.

### Menu 3:

Then adjust the settings as required:

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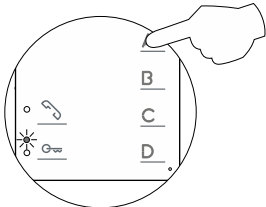
To 'repeat the ringtone' on the monitor: Each press on button A selects a repeat of the ringtones which is indicated with blinks (1 to 3 blinks) of the programming LED and in the following order: 1, 2 or 3 repeats. When the final selection is reached, the following press returns the user to the first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

- Adjusting the 'door panel communication time': 90 seconds (default setting).

To adjust the 'door panel communication time': Each press on button B selects a communication time which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: 60, 90, 120 and 150 seconds. When the final selection is reached, the following press returns the user to the first selection and 1 blink of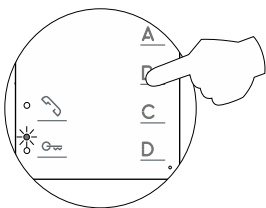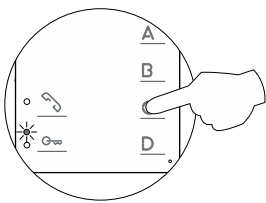 the programming LED (carousel mode). **Note:** This adjustment can be performed on Nexa door panels with the EL632 Plus and EL632 Plus P/T sound module.
(Please consult our technical service department for information about other models of door panel).

- Adjusting the 'door panel call' time: 45 seconds (default setting).

To adjust the 'door panel call' time: Each press on button C selects a call time which is indicated with blinks (1 to 4 blinks) of the programming LED and in the following order: 30, 45, 60 and 90 seconds. 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). **Note:** This adjustment can be performed on Nexa door panels with the EL632 Plus and EL632 Plus P/T sound module.
(Please consult our technical service department for information about other models of door panel).

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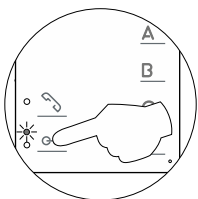
Activating the in-call video: Press button and the programming LED will indicate with 2 blinks that the video will appear on the monitor when a call is received or with 1 blink that the video will appear at the end of the ringtone.

- Accessing 'Menu 4' or exiting programming mode:
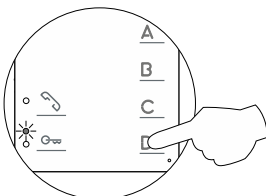
To access 'Menu 4', press button D, and the programming LED will blink 4 times.
To exit programming mode, press button D for 3 seconds, and the programming LED will turn off .

ADVANCED PROGRAMMING (MONITOR FUNCTIONS)

Continued from previous page.

Menu 4:

Then adjust the settings as required:

- Setting all of the monitor's advanced programming options to the '**default value**'
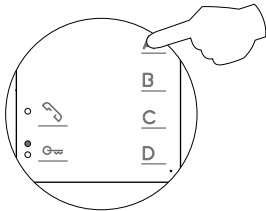
Setting to the 'default value': Press button A and the monitor will indicate with two audible tones that all of the options of the monitor's advanced programming (p. 11-14) are set to their default setting.

- **Activating/deactivating the 'communication with hearing aid' function:** Communication with hearing aid activated (default value).
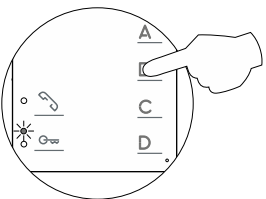
To activate/deactivate the 'communication with hearing aid' function: Press button B and the programming LED will indicate with 1 blink that the function is deactivated or with 2 blinks that the function is activated.

- **Button C has no function.**
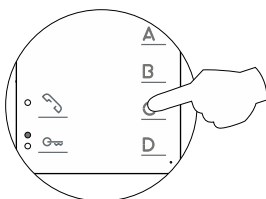
No function.

- **Button ⊙ⴰ has no function.**
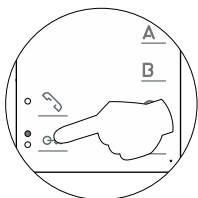
No function.

- **Accessing 'Menu 1' or exiting programming mode:**
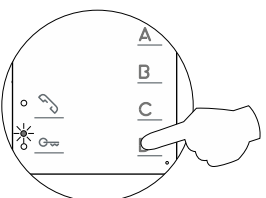
To access 'Menu 1', press button D and the programming LED will blink once (see p. 11).
To exit programming mode, press button D for 3 seconds and the programming LED will turn off.

- **Turning on the monitor when exiting programming:**
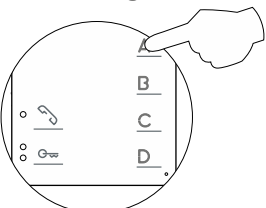
When exiting advanced programming mode, the monitor will turn off: Press button A for 2 seconds to turn the monitor back on. After any resetting of the monitor and for the following 45 seconds, no operation with it can be performed.

OPTIONAL CONNECTIONS

Activating auxiliary devices with Tekna HF Plus monitors:

Auxiliary device activation requires the use of an SAR-12/24 relay unit. If the feature is shared by all monitors, connect their A1 terminals; if, however, each monitor has its own feature, use an SAR-12/24 relay for each one and do not connect their A1 terminals.

This function is activated when button $\circlearrowleft$ on the monitor is pressed (with the terminal in standby or function, call, communication or intercom mode).

The most common applications are activating the stairway lights and opening a second door.
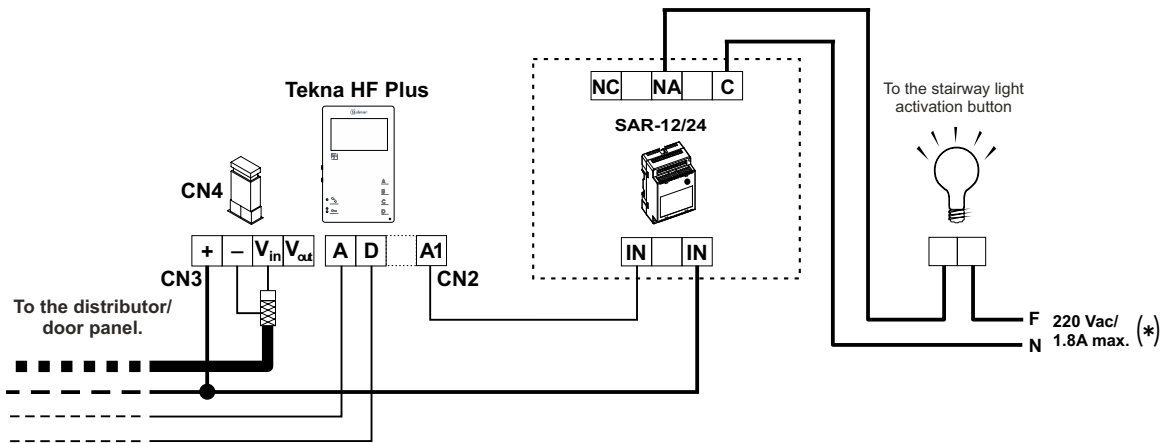
$(*)$ The neutral of the lighting power supply is arranged serially through the contacts of the SAR-12/24 relay and the maximum consumption of the element to be connected does not exceed 1.8A.

To activate a second lock release, a TF-104 transformer is required.
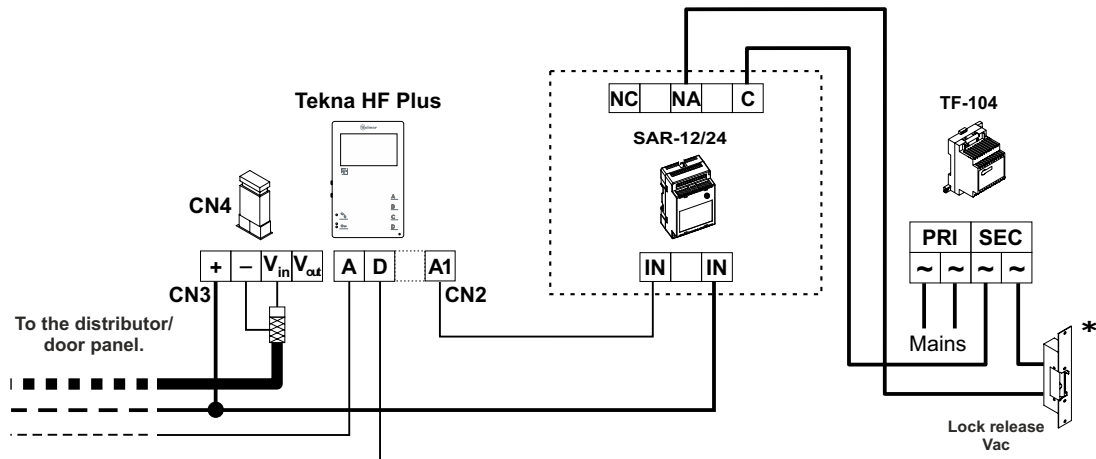
* **Important:** Place the varistor supplied with the sound module directly onto the terminals of the lock release.

Input for outside button to activate the door panel lock release:

This enables the door panel lock release to be activated during a call or communication with the door panel. With the monitor in standby, it makes a panic call to the guard units configured to receive this type of call.
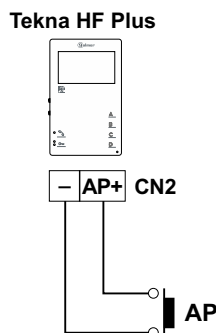
OPTIONAL CONNECTIONS

Intercom between two points in the same apartment:

The Tekna HF Plus monitor 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 p. 9. In the case of intercom between a monitor and a telephone, it is recommended to configure the monitor as the master.
- The INT terminal of the intercom devices needs to be connected (see diagram attached).

To use the intercom, activate the function mode on the monitor (press button ⌇ for 1 second, see p. 5), then press and hold button Β until you hear a confirmation tone 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 HF Plus / Tekna Plus SE monitors. This only functions if no call or communication is in progress. A number of long audible tones on the monitor will confirm that the call is being made. To establish communication, press button ⌇ on the Tekna HF Plus monitor, indicator LED ⌇ will blink (green) and status LED will illuminate green. 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 ⌐ on the unit configured as master or press the door release button to simply open the door.

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

Remember: If the apartment also has Tekna Plus monitors, the Tekna HF Plus and Tekna Plus SE monitors must be configured as 'Intercom with Tekna Plus monitors' (see p. 12). This configuration mode does not allow selective intercom calls to different monitors in the apartment; when the intercom button is pressed, all of the monitors in the apartment will receive the call.
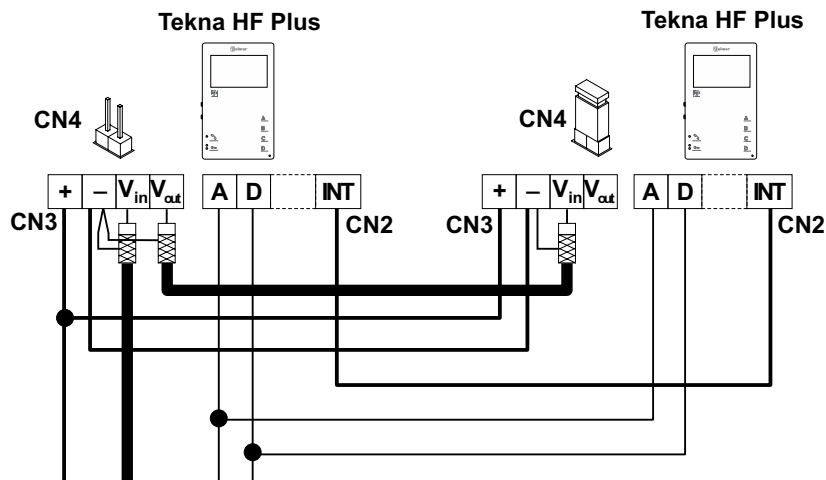
Button for receiving calls from the apartment front door:

The Tekna HF Plus monitor features as standard the ability to receive calls from the apartment front door. This feature precludes the need to use the bell by positioning a button between terminals 'HZ—' and '—' of the monitor.

The ringtones vary depending on where the call is being made from, enabling the user to identify its origin. If a call is made from the apartment front door during a conversation with the door panel, the handset will emit a number of tones to indicate so.

Note: Regardless of the volume set for the monitor's ringtones (see p. 11) and the 'night mode' function, the 'apartment front door call' ringtone will always sound at the highest level.
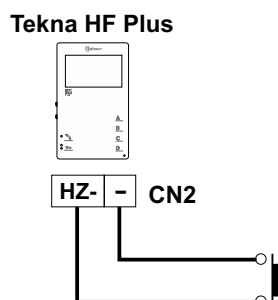
OPTIONAL CONNECTIONS

Continued from previous page.

Activating 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 on the monitor, as described on p. 12.

To activate this function, press the button configured for this function on the monitor at any time and regardless of the position of the handset.

If the feature is shared by all monitors, connect their 2C terminals; if, however, each monitor or a group of monitors has its own camera, use a 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.
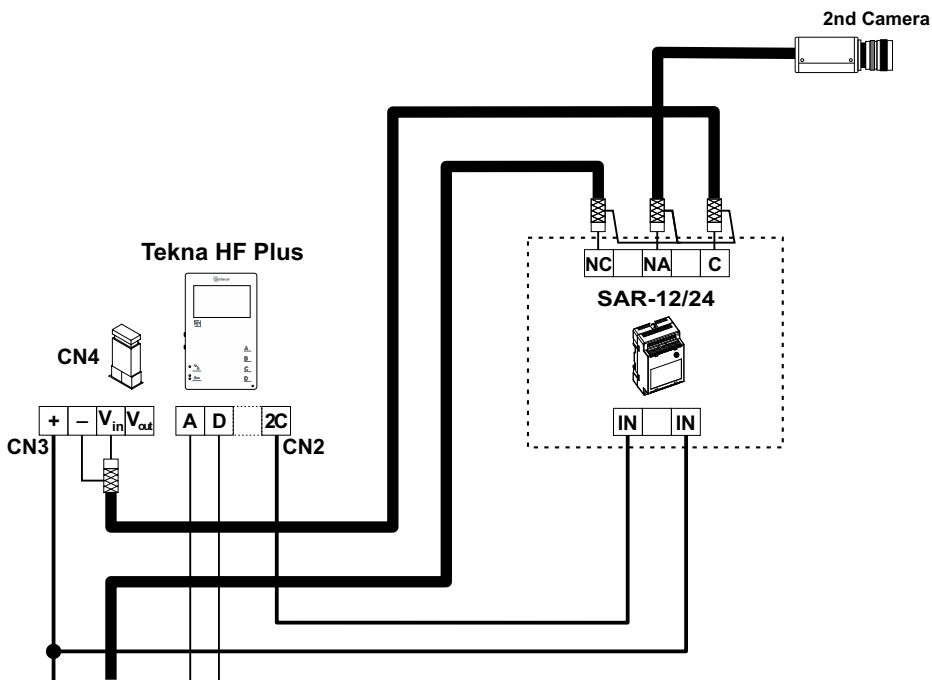
CLEANING THE MONITOR

- Do not use solvents, detergents or cleaning products that contain acids, vinegar or abrasive components.

- Use a soft damp lint-free cloth with water.

- Always wipe the monitor in the same direction, from top to bottom.

- After cleaning the monitor, remove any moisture with a soft dry lint-free cloth.
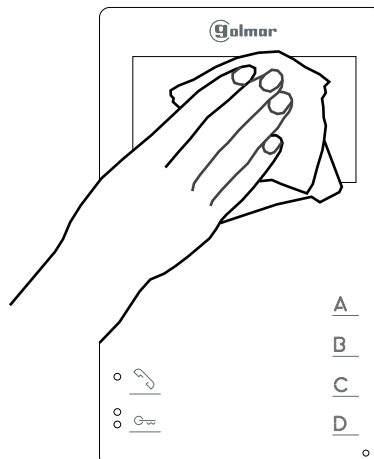
WIRING DIAGRAMS

Video door entry system with coaxial cable:

Remove the JP1 jumper from all of the distributors except the last.
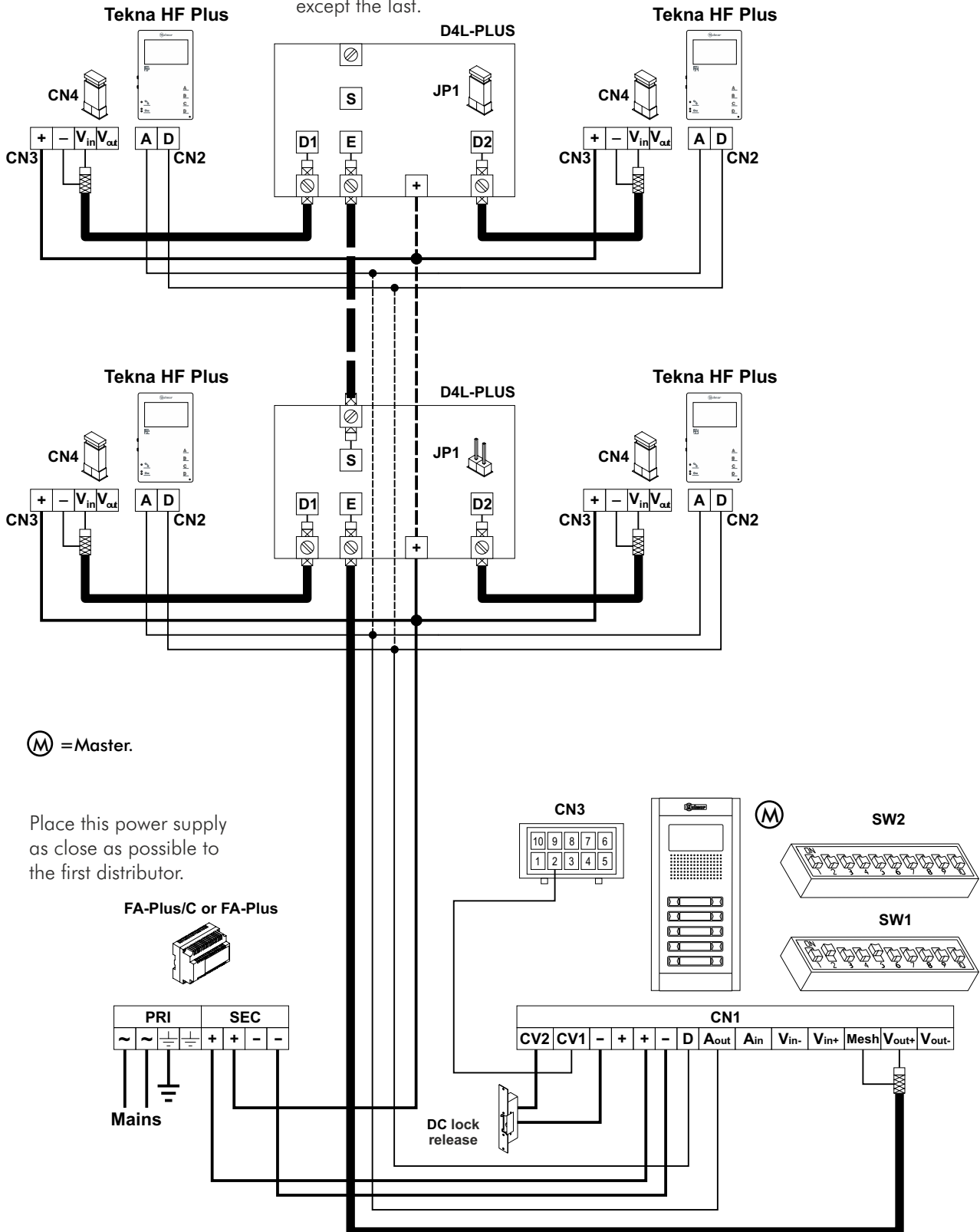
$\bigcirc\!\!\!\!M$ =Master.

Place this power supply as close as possible to the first distributor.

Important:
For further information about the door panel, sections, distances, wiring diagrams, etc., see the T632 PLUS P/T manual.
https://doc.golmar.es/search/manual/50122328

WIRING DIAGRAMS

Video door entry system without coaxial cable:

Tekna HF Plus

Tekna HF Plus

EL562S
JP1

EL562S
JP1

| A | D | | − | + | M_p | V_p |

CN2 **CN3**

| A | D | | − | + | M_p | V_p |

CN2 **CN3**

* Remove the JP1 jumper from all of the distributors except the last.

D6L-Plus/2H

	+	−	A	D	V_{po}	M_{po}		M_{d6}
M_{d1}								V_{d6}
V_{d1}								
+								+
−								−
A								A
D								D
CT	+	−	A	D	V_{pi}	M_{pi}		CT

JP1

Tekna HF Plus

Tekna HF Plus

EL562S
JP1

EL562S
JP1

| A | D | | − | + | M_p | V_p |

CN2 **CN3**

| A | D | | − | + | M_p | V_p |

CN2 **CN3**

D6L-Plus/2H

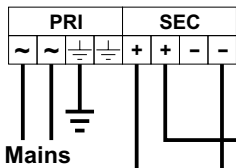| M_{d1} | + | − | A | D | V_{po} | M_{po} | | M_{d6} |
V_{d1}								V_{d6}
+								+
−								−
A								A
D								D
CT	+	−	A	D	V_{pi}	M_{pi}		CT

JP1

(M) = Master.

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

CN3

| 10 | 9 | 8 | 7 | 6 |
| 1 | 2 | 3 | 4 | 5 |

(M)

SW2

SW1

FA-Plus/C or FA-Plus

| PRI | | SEC | | | | |
| ~ | ~ | ⏚ | ⏚ | + | + | − | − |

Mains

DC lock release

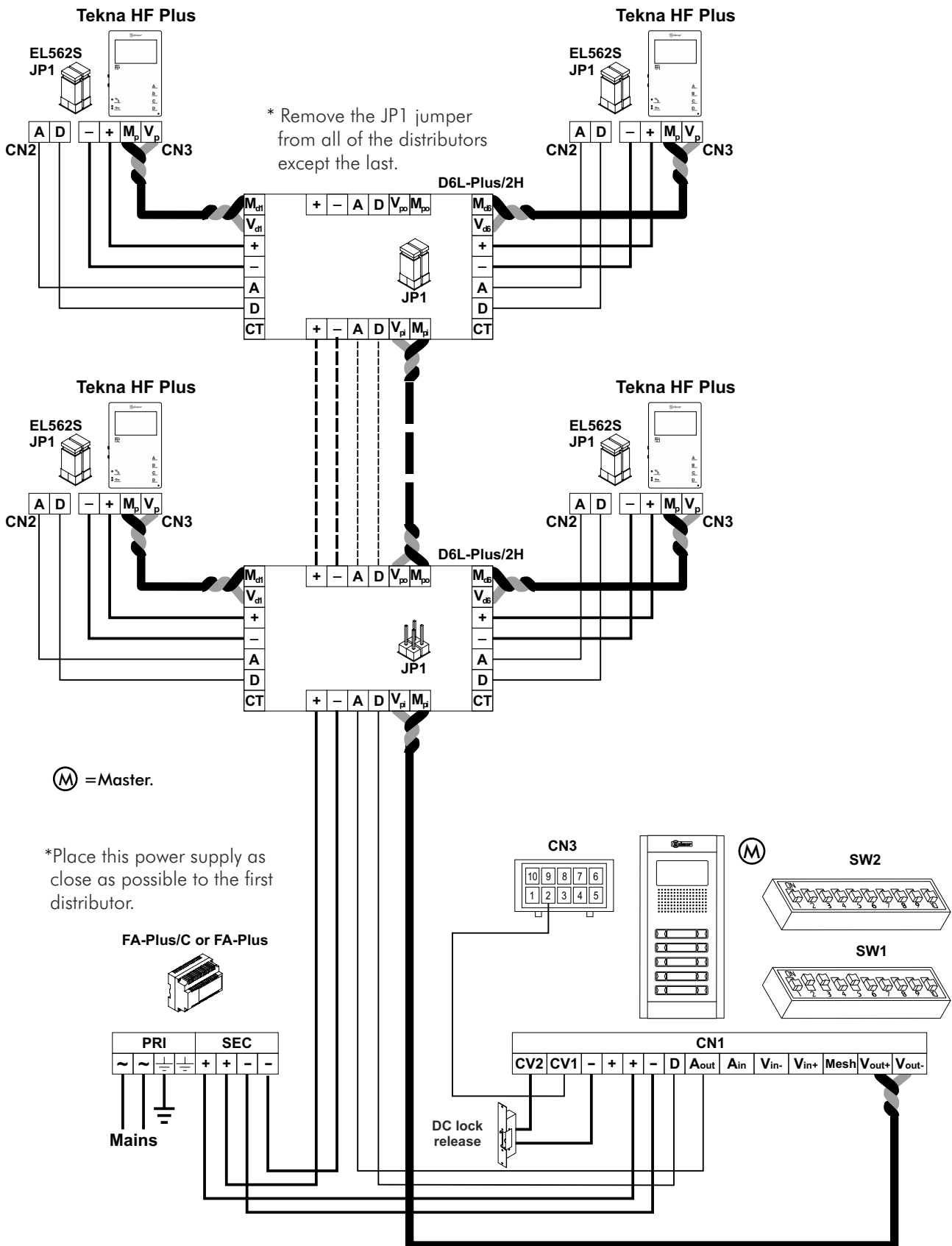| | | | | | | | | | **CN1** | | | | | | |
| CV2 | CV1 | − | + | + | − | D | A_{out} | A_{in} | V_{in-} | V_{in+} | Mesh | V_{out+} | V_{out-} |

Important:
For further information about the door panel, sections, distances, wiring diagrams, etc., see the T632 PLUS P/T manual.
https://doc.golmar.es/search/manual/50122328

COMPLIANCE

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/ECC, Electromagnetic Compatibility 2014/30/ECC.

NOTA: El funcionamiento de este equipo está sujeto a las siguientes condiciones:
(1) Este dispositivo no puede provocar interferencias dañinas, y (2) debe aceptar cualquier interferencia recibida, incluyendo las que pueden provocar un funcionamiento no deseado.

NOTE: Operation is subject to the following conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any received interference, including the ones that may cause undesired operation.

golmar
Sistemas de comunicación S.A.

golmar@golmar.es
www.golmar.es

GOLMAR S.A.
C/ Silici, 13
08940- Cornellá de Llobregat
SPAIN