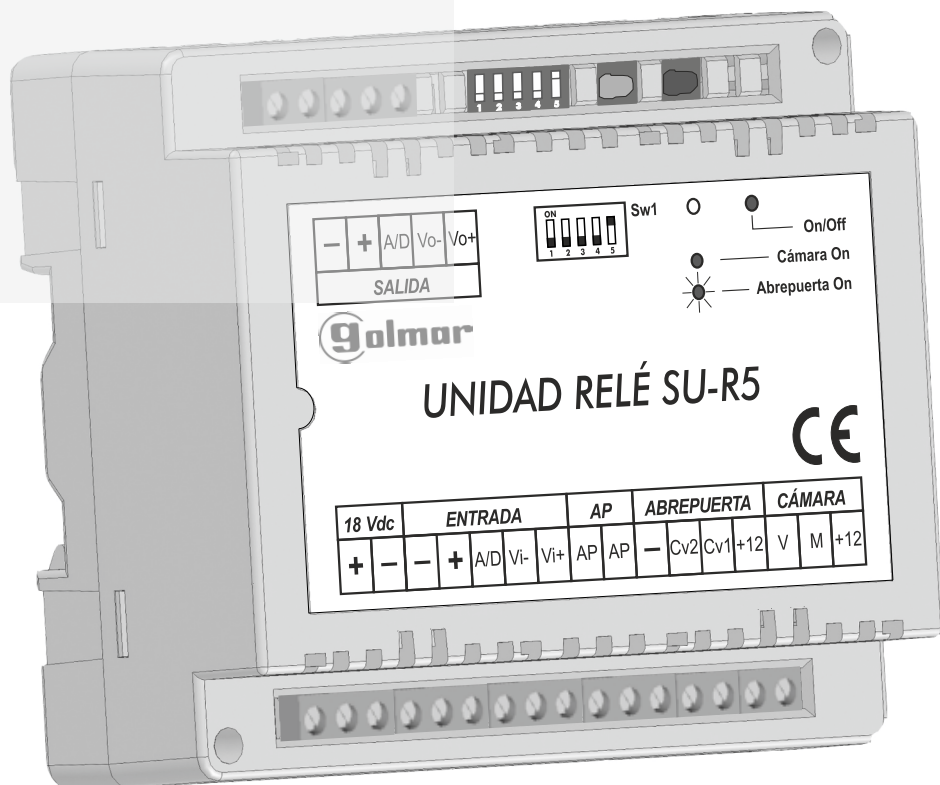




Code 50121367

Relay Unit SU-R5



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

Our commitment to satisfying our customers can be seen from our ISO-9001 certification and from the manufacturing of products like this one.

Its advanced technology and exacting quality control will ensure that customers and users enjoy the many features this system offers. To obtain the maximum benefit from these features and a properly wired installation, we kindly recommend that you spend a few minutes of your time reading this manual.

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STARTING RECOMMENDATIONS

- ☛ The installation and handling of this equipment must be performed by **authorised personnel**.
- ☛ Install or modify the equipment **without the power connected**.
- ☛ Do not overtighten the screws on the terminal block of the SU-R5 relay unit.
- ☛ The entire installation must be at least **40 cm** away from **any other wiring**.
- ☛ Before connecting the device, check the connections between the door panel, SU-R5 relay unit, distributors, Tekna R5 Col SU-R5 monitors, T-530/R5 SU-R5 telephones and the connection of the power supply unit(s).
- ☛ Always follow the instructions contained in this manual.

- ☞ The installation and handling of this equipment must be performed by **authorised personnel**.
- ☞ Install or modify the equipment **without the power connected**.
- ☞ Do not overtighten the screws on the terminal block of the SU-R5 relay unit.
- ☞ The entire installation must be at least **40 cm** away from **any other wiring**.
- ☞ Install the SU-R5 relay unit in a dry and protected place without risk of drip or water. projections.
- ☞ Avoid to place it near to heating sources, in dusty locations or smoky environments.
- ☞ Do not block ventilation holes of the unit so that air can circulate freely.
- ☞ To avoid damage, the relay unit must be firmly fixed.

SYSTEM CHARACTERISTICS

- ☞ SU-R5 relay unit for the **Vista Plus and Vista Nexa** system.
- ☞ Up to 6 access door panels.
- ☞ Up to 4 relay units in cascade (per channel).
- ☞ The addresses of the relay units connected must be correlative.
- ☞ Install the relay unit(s) between the vertical and the door panel.
- ☞ Between the door panel and the relay unit(s), no element must be connected.
- ☞ The converter for porter's exchange, distributors, monitors and telephones (SU-R5) should be connected to the output of the last relay unit.
- ☞ Maximum distance between the power supply and the furthest monitor: 50m.
- ☞ Maximum distance between the door panel and the furthest monitor 50/100m (depending on the location of the power supply unit).
- ☞ FA-PLUS/C power supply unit connected to the relay unit.
- ☞ Maximum distance between the power supply and the relay unit: 3m and a section of 1.5mm² (mount in the same location).
- ☞ If the "AP" function is used, each relay unit and door panel will have its own power supply unit (see pages 7-8 and 12-13).
- ☞ If the "AP" function is not used, the (master) access door panel nearest the upright can share the power supply of the relay unit or the vertical (see pages 4, 6, 9 and 11).
- ☞ The (slave) access door panels will have their own power supply units.
- ☞ It is necessary for the panel to have a power supply unit if an EL502 AC/DC converter module is used to connect an AC lock release (Stadio panel only).
- ☞ Configuration DIP switch to indicate:
 - ☞ Relay unit lock release activation time (3, 6, 9 or 12 seconds).
 - ☞ Relay unit address, must be correlative (address 1, 2, 3 and 4).
 - ☞ Whether a camera is connected to the relay unit.
- ☞ Output for Golmar 12V AC or DC lock release activated by a potential-free relay (if a 12V AC lock release is used, a TF104 transformer must be fitted to the relay unit).
- ☞ Input for the relay unit's external lock release button.
- ☞ Output for activating a camera in the relay unit (connection with coaxial cable, maximum 0.5A).
- ☞ Status LEDs.

- ☞ To make a call the visitor should press the button corresponding to the desired apartment. An acoustic tone will be heard confirming the call is in progress. At this moment the call will be received at the monitor in the dwelling. During the call the visitor can correct his call by pressing a push button corresponding to a different apartment, in which case the original call is cancelled.
- ☞ In systems with several access doors, the other door panel(s) will be automatically disconnected. If a visitor tries to call from another door panel an acoustic tone will be heard confirming the system is busy.
- ☞ The call lasts for 45 seconds and the image appears on the master monitor for 3 seconds after receiving the call without the visitor knowing. To see the image on a secondary monitor pick up its handset, causing the image being watched to disappear from the monitor display. If the call is not answered in 45 seconds, the system will be freed.
- ☞ To establish communication, pick up the monitor/telephone handset.
- ☞ The communication will last for one and a half minutes or until the handset is replaced. Once the communication has finished the system will be freed. If the push button of another apartment is pressed by mistake, press the push button of the correct apartment and the communication is cancelled.
- ☞ To open the door of the (master) panel, press the lock release push button. To open the second door, press the lock release push button twice rapidly during the processes of calling or communication.
- ☞ To display the image from the second camera (if connected), press the ⊕ push button on the monitor. By pressing each time, the image will switch from the door panel to the camera connected to the SU-R5 relay unit.
- ☞ If more than one SU-R5 relay unit is fitted (up to 4 in cascade), it is possible to monitor the visitor through the doors of the building. By pressing the ⊕ push button on the monitor, the image will switch (in carousel mode) from the door panel to the camera of the relay unit with address 1 and so on successively following the address order of the relay units until the image of the camera of the last unit with address 4 is displayed returning then to the image from the panel.
- ☞ In systems with several access door panels, "carousel mode" is carried out from the door panel from which the call was made.
- ☞ If, in any of the SU-R5 relay units, there is no camera (DIP switch 5 OFF) when switching to one of these relay units, the monitor will not display any image (blue screen).
- ☞ During the monitoring of the visitor through the doors of the building, pressing the monitor's lock release push button will only open the door of the panel if it is selected at that moment. Two rapid presses of the lock release push button will open the door of the SU-R5 relay unit selected at that moment.
- ☞ If the call or communication time ends during visitor monitoring, the process will be cancelled. If the door panel from which the call is made has its "autoswitch-on" function enabled, it is possible to continue tracking the visitor from the monitor by pressing the ⊕ push button on the monitor until selection of the SU-R5 relay unit where the process was previously ended.
- ☞ **Note:** If communication is made between a telephone and the door panel, the telephone can only open the door of the door panel and the door of the SU-R5 relay unit with address "1".
- ☞ **Important:** If more than one SU-R5 relay unit is connected to the system, the addresses configured in the relay units must be correlative (in order: 1st unit with address '1', 2nd unit with address '2', 3rd unit with address '3' and 4th unit with address '4').
If the relay units have not been configured with correlative addresses, instead of tracking the visitor through the successive doors (relay units) of the building, the system will return to the door panel.

Installation modes with 1 SU-R5 relay unit:

Installation with 1 relay unit (1 power supply unit without (*) "AP").

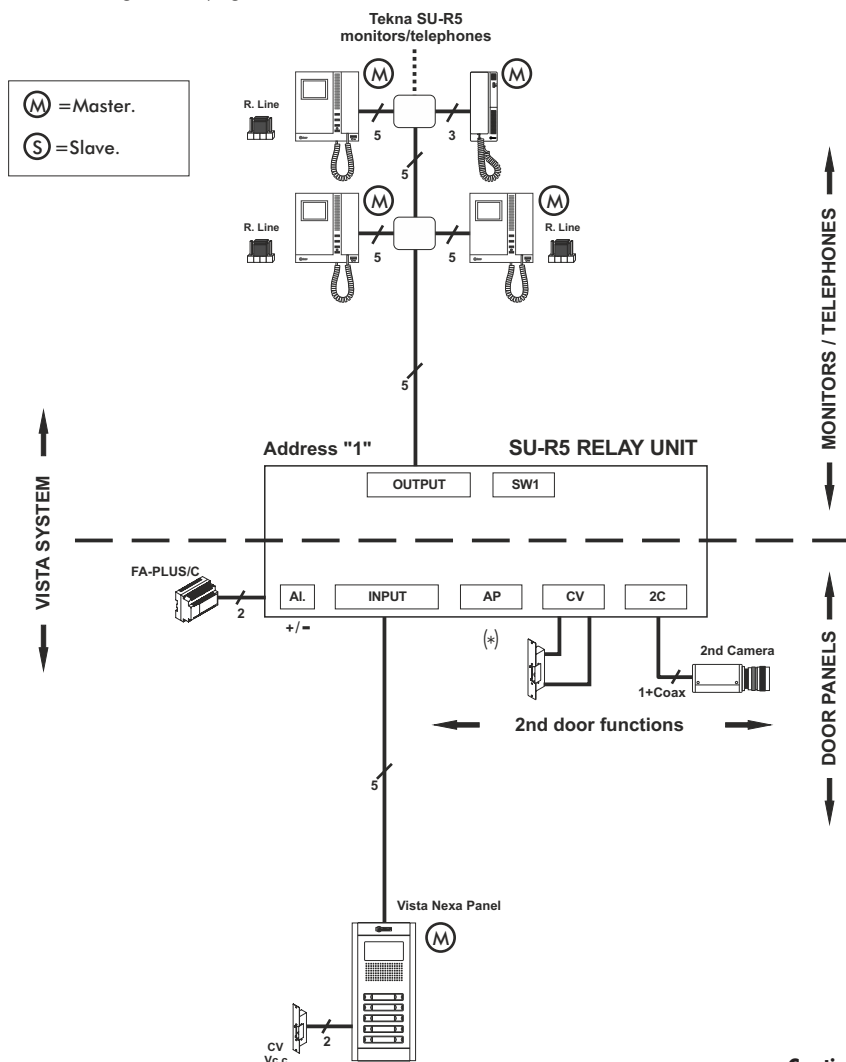
Important:

If there are (slave) access door panels, they will have their own power supply unit.

The Stadio door panel with the EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the SU-R5 relay unit, never between the door panel and the relay unit.

Installation diagrams on pages 17-18.



Continued

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Installation with 1 relay unit (1 power supply unit without (*) "AP").

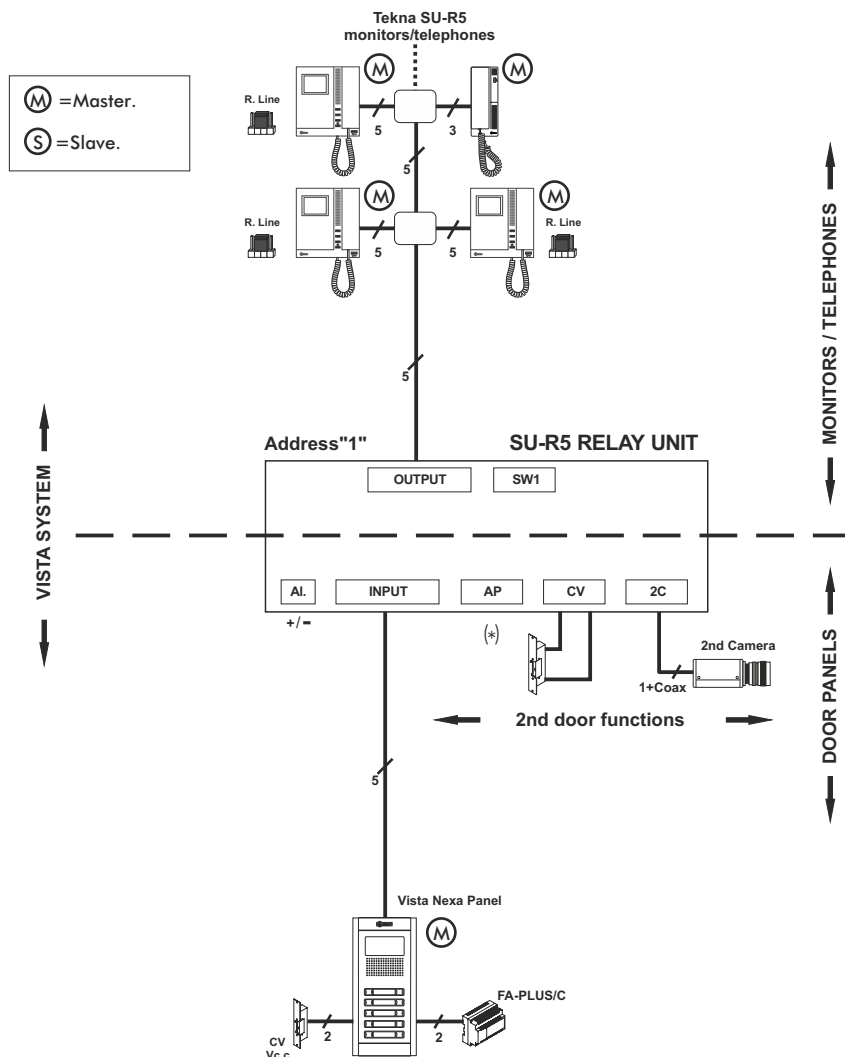
Important:

If there are (slave) access panels, they will have their own power supply unit.

The Stadio door panel with the EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the SU-R5 relay unit, never between the door panel and the relay unit.

Installation diagrams on pages 17-18.



Continued

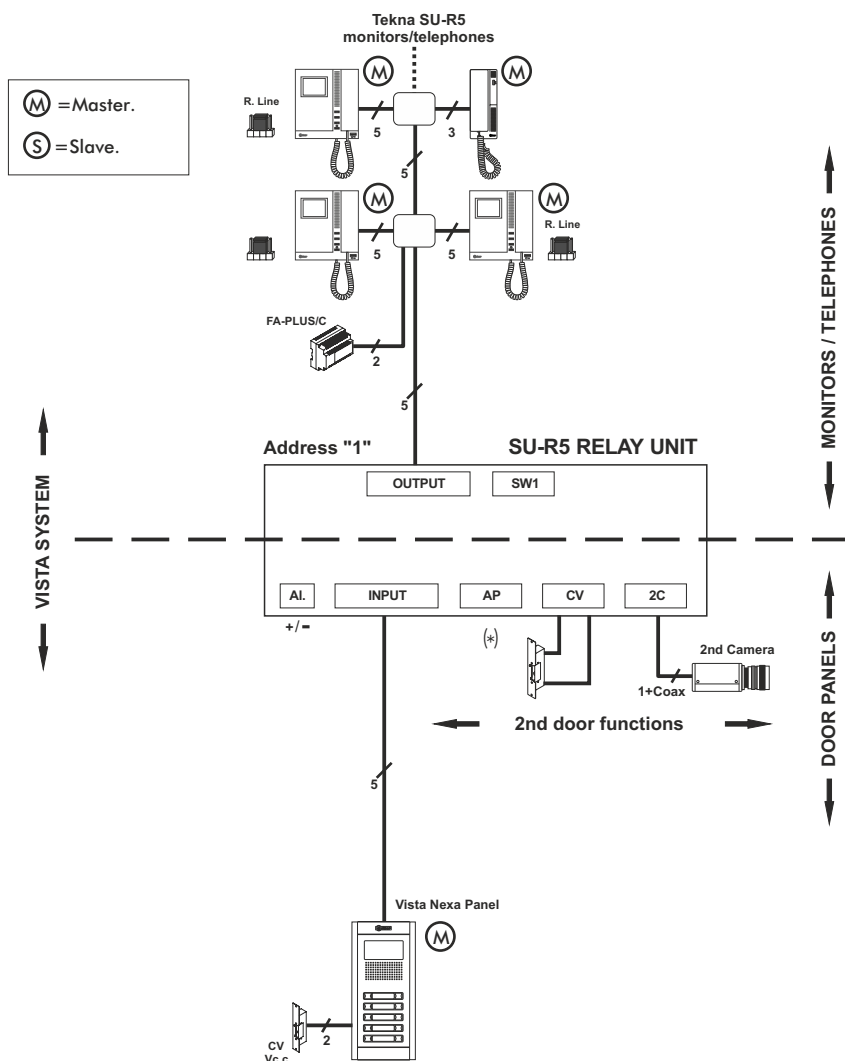
Continued from previous page**Installation with 1 relay unit (1 power supply unit without (*) "AP").****Important:**

If there are (slave) access door panels, they will have their own power supply unit.

The Stadio door panel with the EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the SU-R5 relay unit, never between the door panel and the relay unit.

Installation diagrams on pages 17-18.

**Continued**

Installation with 1 relay unit (2 power supply units with (*) "AP").

If the "AP" function is used, each relay unit and each door panel will have its own power supply unit. If there are (slave) access door panels, they will have their own power supply unit.

Installation diagrams on pages 19-22.



Continued from previous page

Installation with 1 relay unit (3 power supply units with (*) "AP").

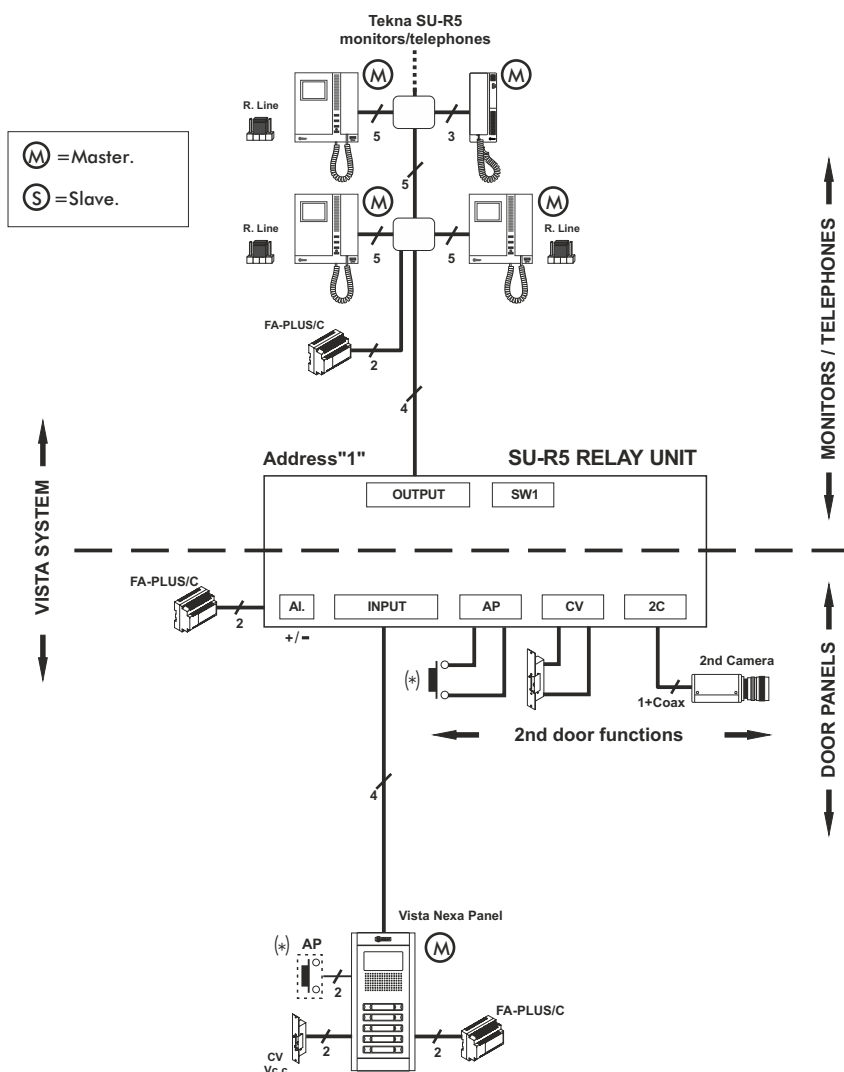
Important:

If the "AP" function is used, each relay unit and each panel will have its own power supply unit.

If there are (slave) access door panels, they will have their own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the SU-R5 relay unit, never between the door panel and the relay unit.

Installation diagrams on pages 19-22.



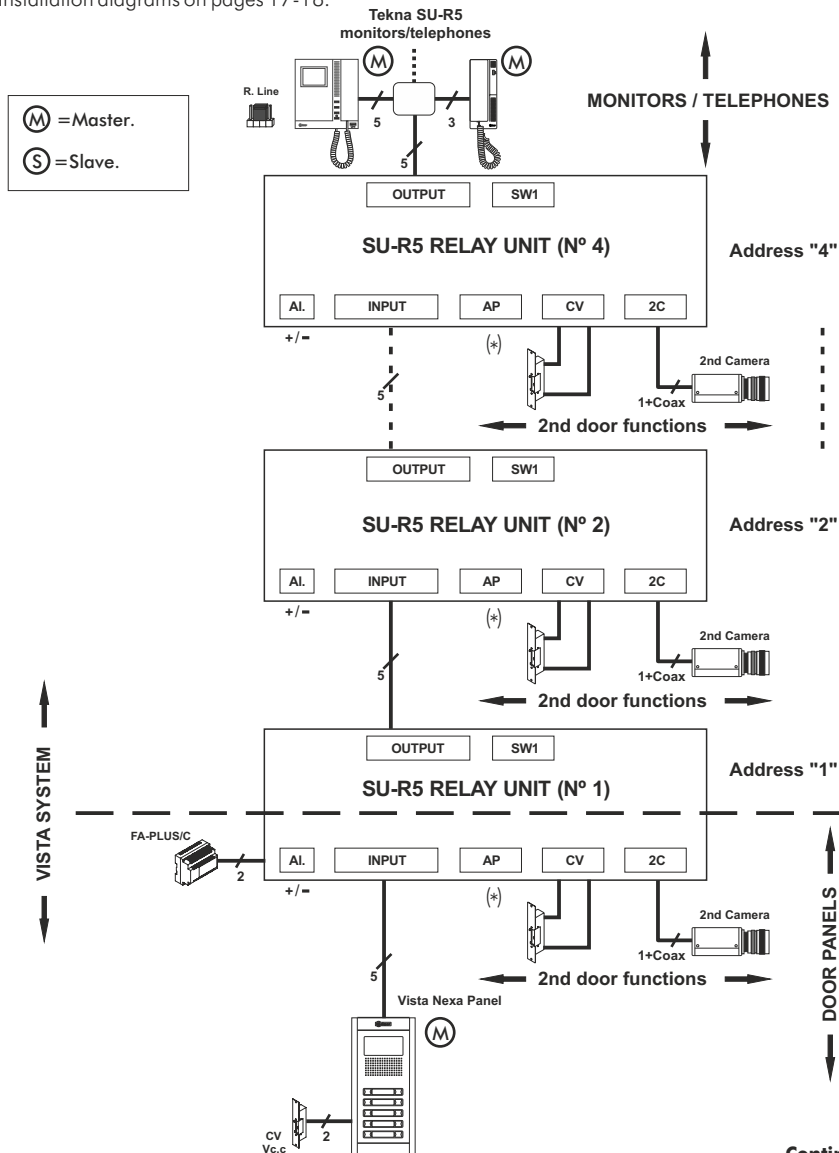
Installation modes with 4 SU-R5 relay units:

Installation with 4 relay units (1 power supply unit without (*) "AP").

Important: If there are (slave) access door panels, they will have their own power supply unit.

The Stadio door panel with EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the last SU-R5 relay unit, never between the door panel and the relay unit. Installation diagrams on pages 17-18.



Continued

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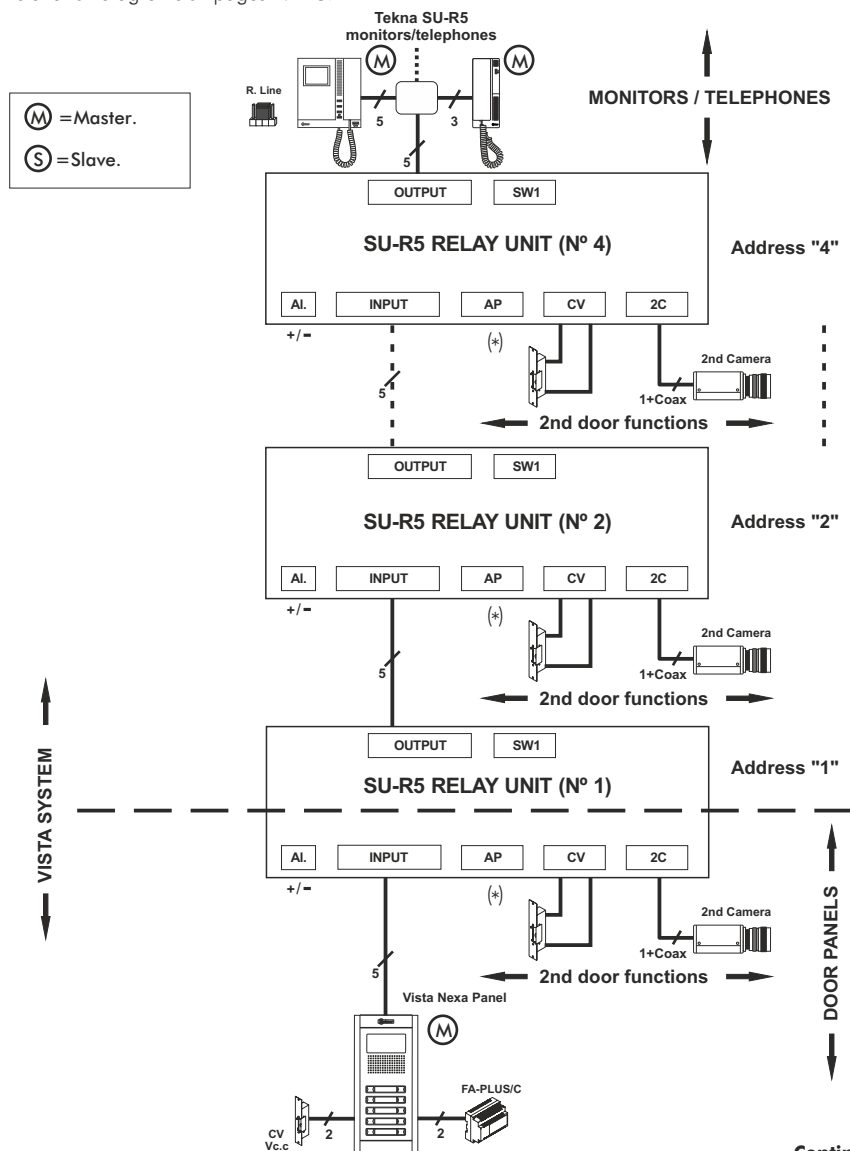
Installation with 4 relay units (1 power supply unit without (*) "AP").

Important: If there are (slave) access door panels, they will have their own power supply unit.

The Stadio door panel with EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the last SU-R5 relay unit, never between the door panel and the relay unit.

Installation diagrams on pages 17-18.



Continued

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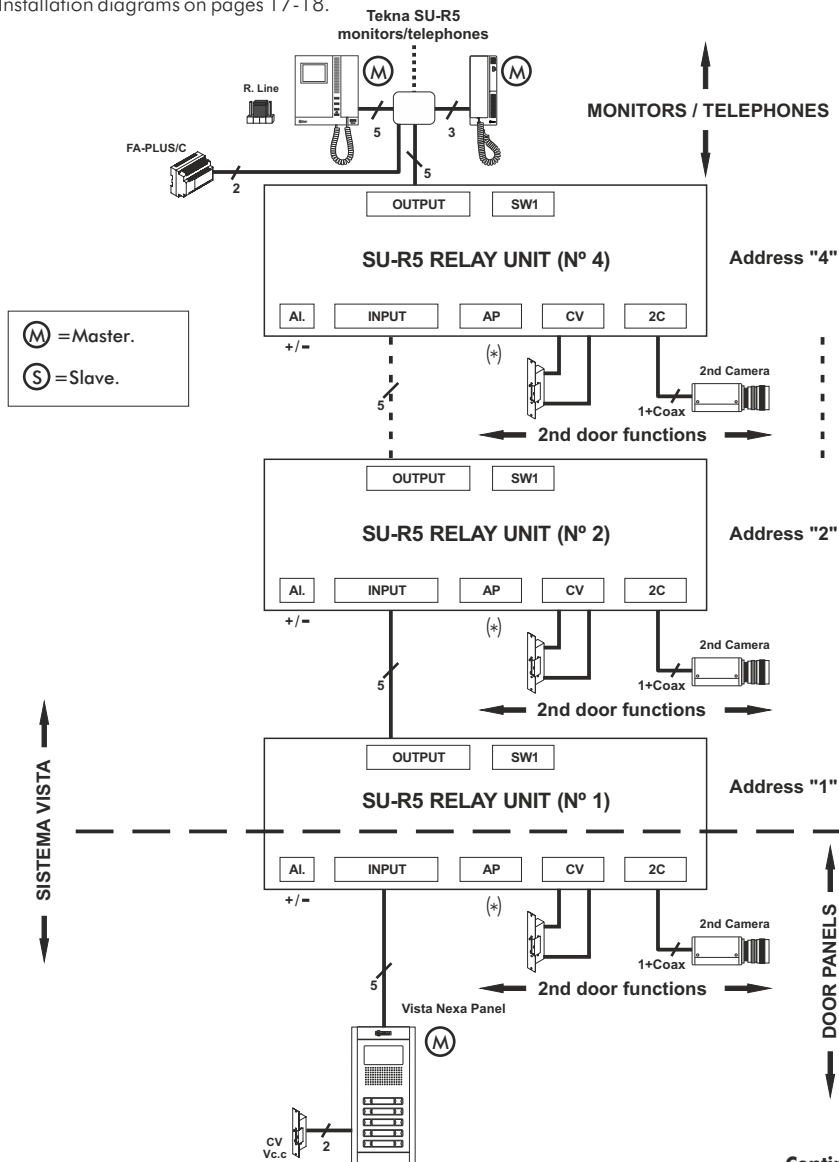
Installation with 4 relay units (1 power supply unit without (*) "AP").

Important: If there are (slave) access panels, they will have their own power supply unit.

The Stadio door panel with EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the last SU-R5 relay unit, never between the door panel and the relay unit.

Installation diagrams on pages 17-18.



Continued

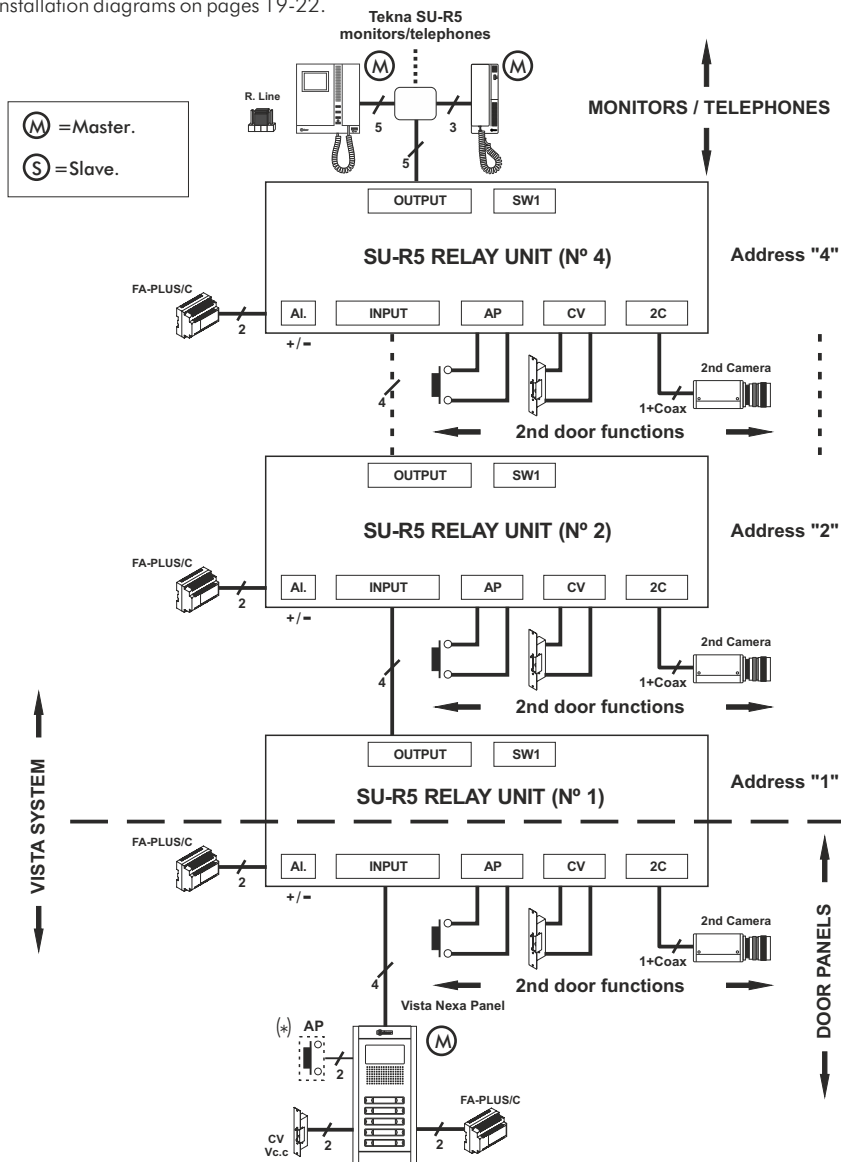
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Installation with 4 relay units (5 power supply units with (*) "AP").

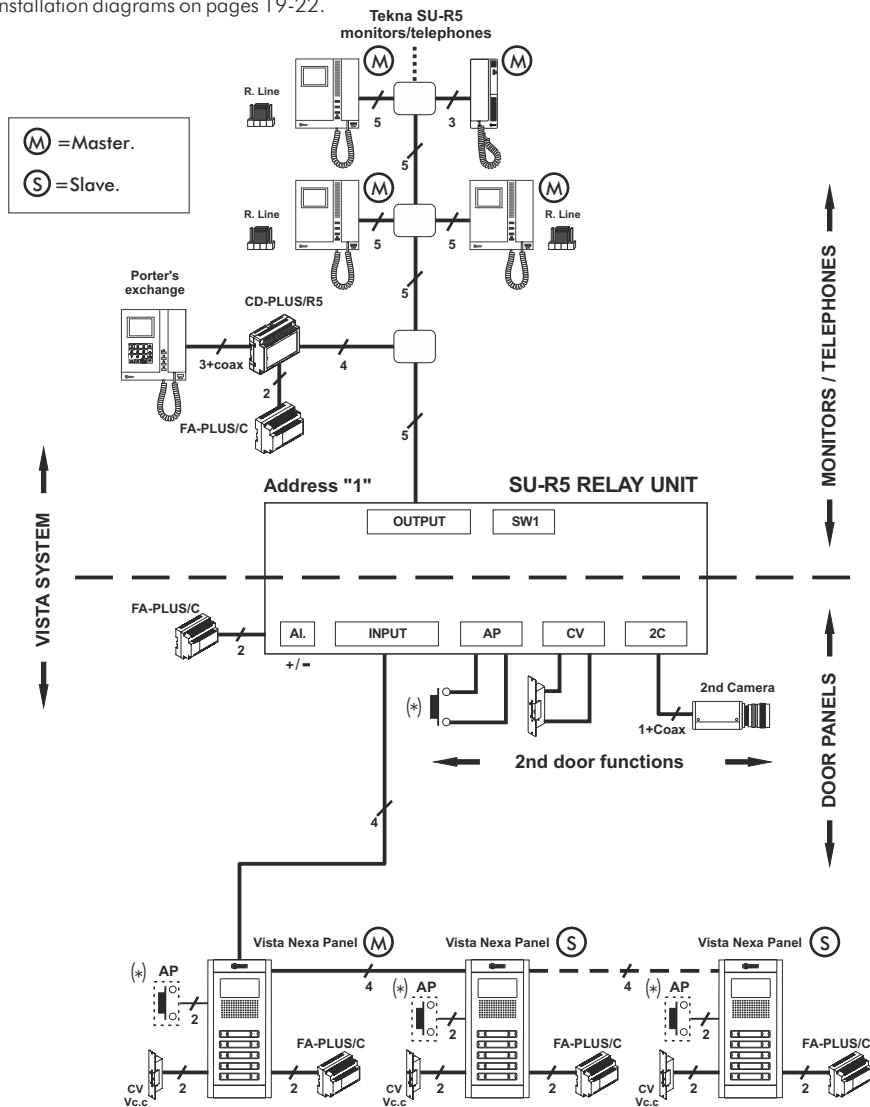
Important: If the "AP" function is used, each relay unit and each panel will have its own power supply unit. If there are (slave) access door panels, they will have their own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the last SU-R5 relay unit, never between the door panel and the relay unit.

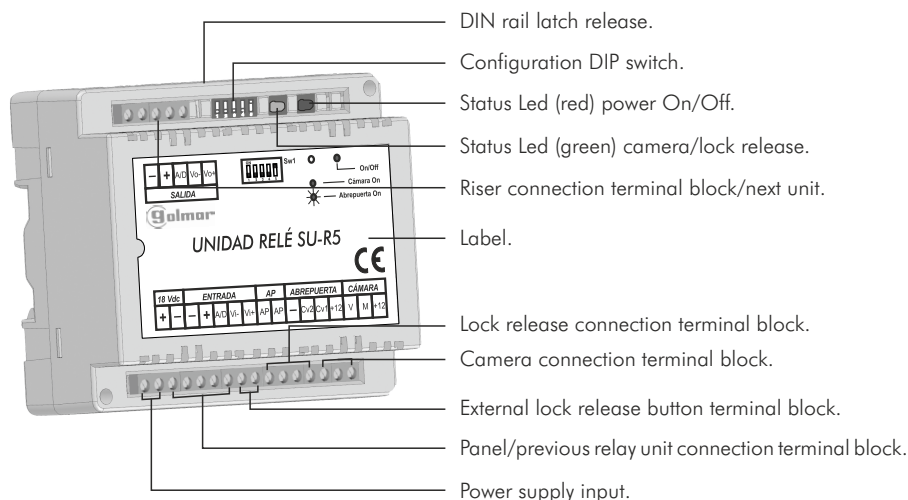
Installation diagrams on pages 19-22.



Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the last SU-R5 relay unit, never between the door panel and the relay unit. Installation diagrams on pages 19-22.



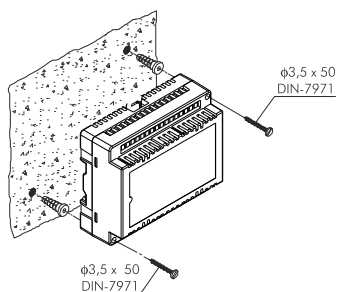
Description of the SU-R5 relay unit.



INSTALLATION

Detail of the installation of the SU-R5 relay unit.

Install the relay unit in a dry and protected place without risk of drip or water projections. To avoid damage, the relay unit must be firmly fixed.

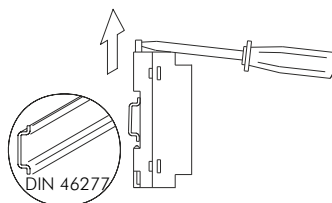


Install or modify the equipment **without the power connected.**

The installation and handling of this equipment must be performed by **authorised personnel.**

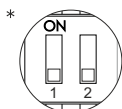
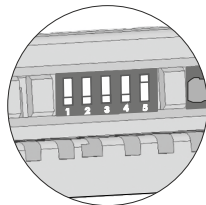
To wall mount the unit, drill two 6mm-diameter holes and insert wall plugs. Fix the unit with the specified screws.

The unit can be mounted onto a DIN rail (6 elements) by applying slight pressure. To remove the unit from the rail, use a flat screwdriver and lever it off, as shown in the drawing.

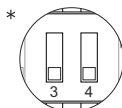


Description of the configuration dip switch.

The **Sw1** configuration DIP switch is located at the top of the module.

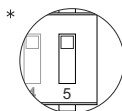


Relay unit timed door release: (from the monitor or "AP" of the unit itself):
Dip switches: 1 and 2 OFF (3 seconds), 1 OFF and 2 ON (6 seconds),
1 ON and 2 OFF (9 seconds), 1 and 2 ON (12 seconds).



Relay unit address:
Dip switches: 3 and 4 OFF (address 1), 3 OFF and 4 ON (address 2),
3 ON and 4 OFF (address 3), 3 and 4 ON (address 4).

Important: The address of the relay units connected to the system must be correlative: Unit 1 with address '1', unit 2 with address '2', unit 3 with address '3' and unit 4 with address '4'.

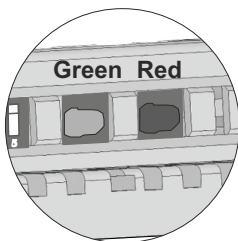


Relay unit camera:
Leave ON if a camera is connected to the relay unit; if not, set DIP switch 5 to OFF.

*Factory default

STATUS LEDs

Description of the status LEDs.



The status LEDs are located at the top right of the module.

Red LED

Off: Relay unit without power.

On: Relay unit with power.

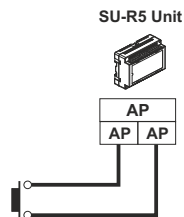
Green LED

Blinking: Unit's lock release connection output activated.

On: Unit's camera connection output activated.

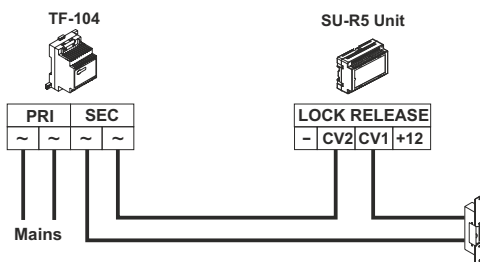
External lock release push button.

To open the door at any time with the external push button, set the button between the 'AP' terminals and the 'AP' of the SU-R5 relay unit. This function is particularly useful for exiting without a key.



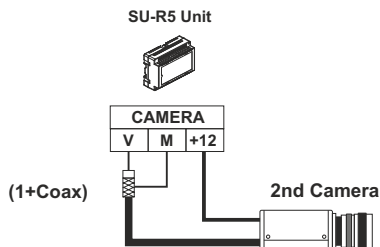
Connection of the AC lock release.

If the lock release connected to the SU-R5 relay unit is AC, use a TF-104 transformer and connect the lock release as per the following diagram.

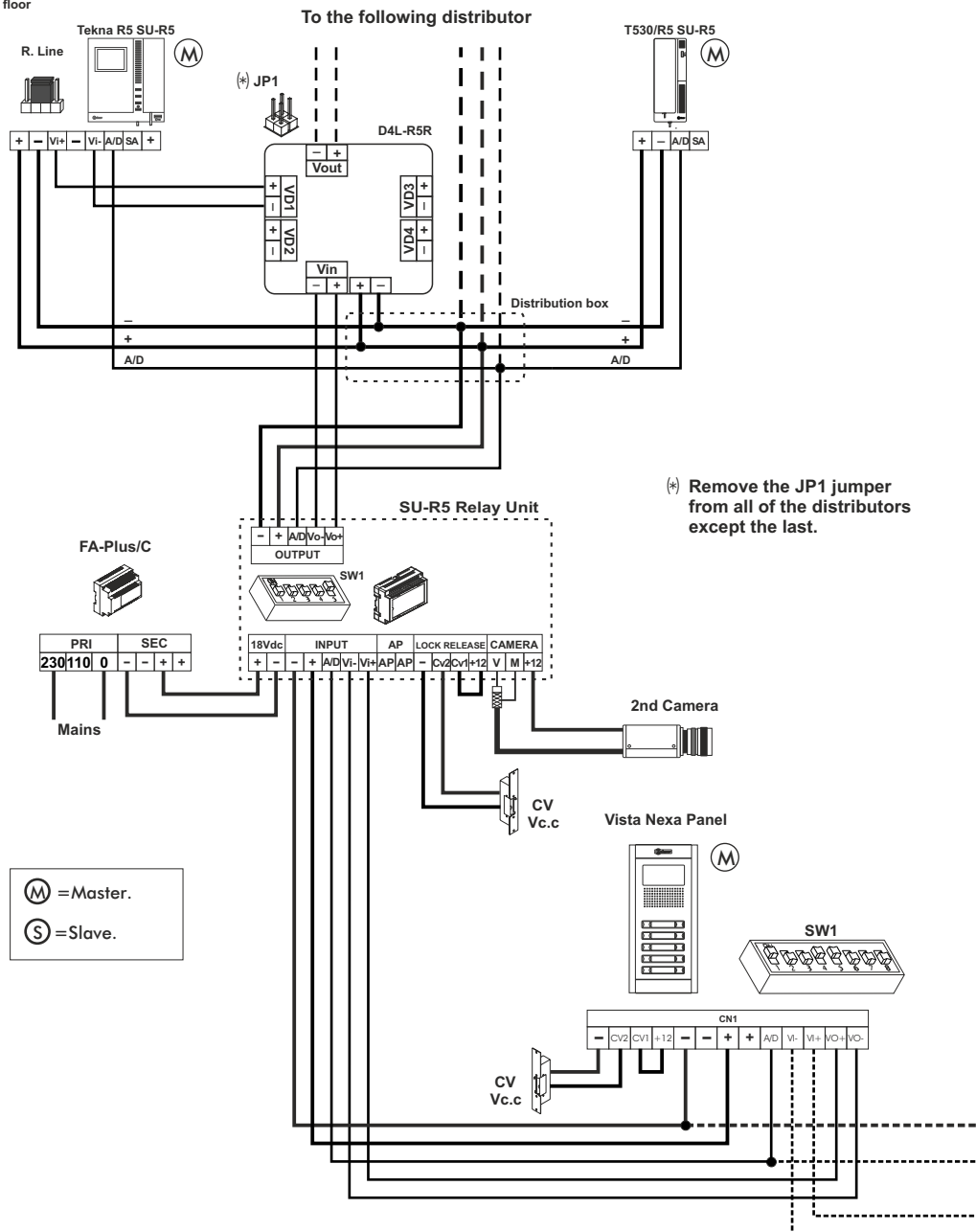


Connection of the camera.

If display of the image of the SU-R5 relay unit's camera is required on the monitor, connect the camera as per the following diagram. The "+12" power output of the camera (max. 0.5A).



1st floor



IMPORTANT: To configure and program each device, see the corresponding product manual.

Installation with 1 SU-R5 relay unit without “AP” and several access door panels.

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

If the system has one door panel only, override the wiring to the second door panel.

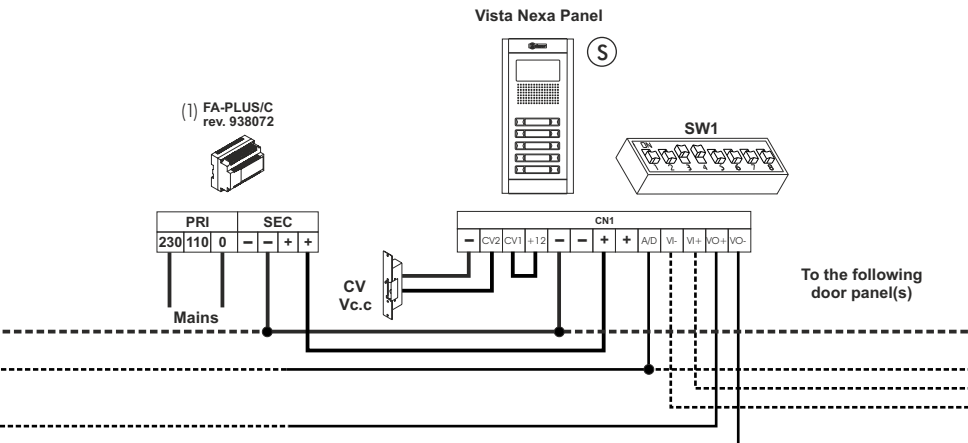
If the system has more than one door panel, wire the second panel as shown on the diagram.

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

(1) **Important:** If there are (slave) access door panels, they will have their own power supply unit.

The Stadio door panel with the EL502 module to connect the AC lock release will have its own power supply unit.

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the SU-R5 relay unit, never between the door panel and the relay unit.

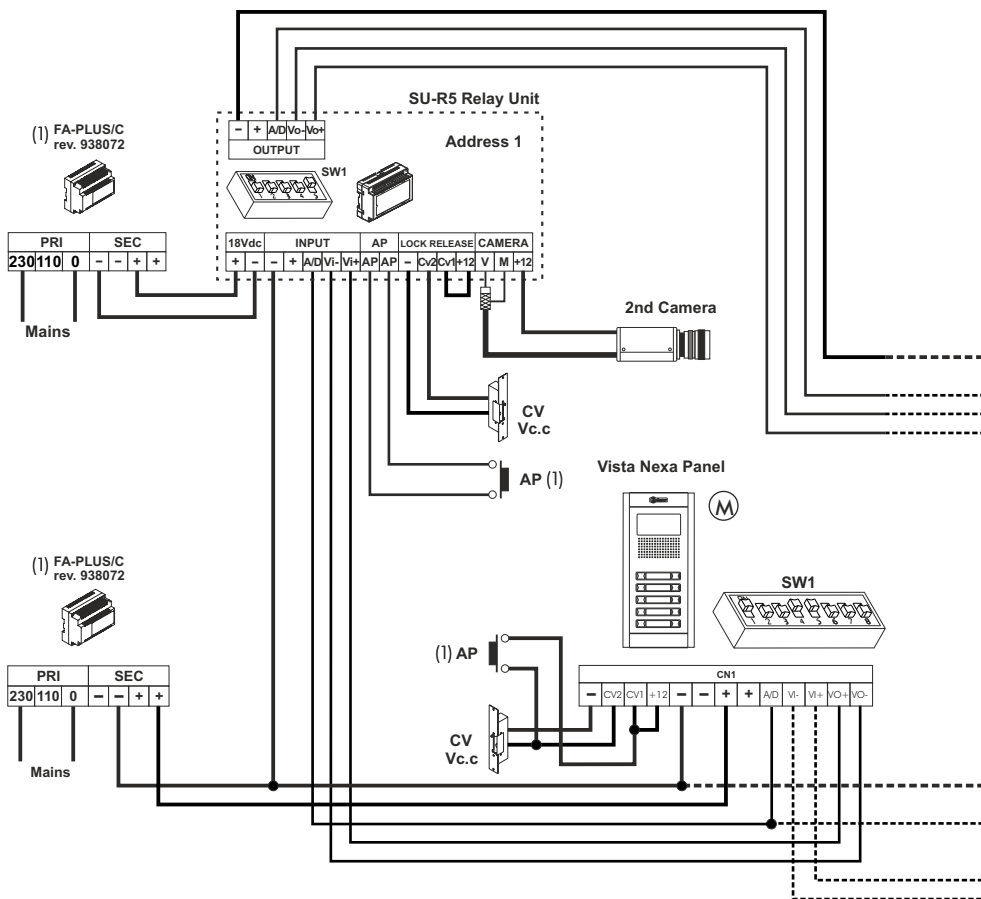


M

=Master.

S

=Slave.



IMPORTANT: To configure and program each device, see the corresponding product manual.

Installation with 4 SU-R5 relay units with "AP" and several access door panels.

The wiring diagram shows the connections for a video door entry system with 4 SU-R5 relay units with "AP" and a power supply in each unit and one or more door panels to gain access to the building with one power supply unit on each panel.

If the system has one door panel only, override the wiring to the second door panel.

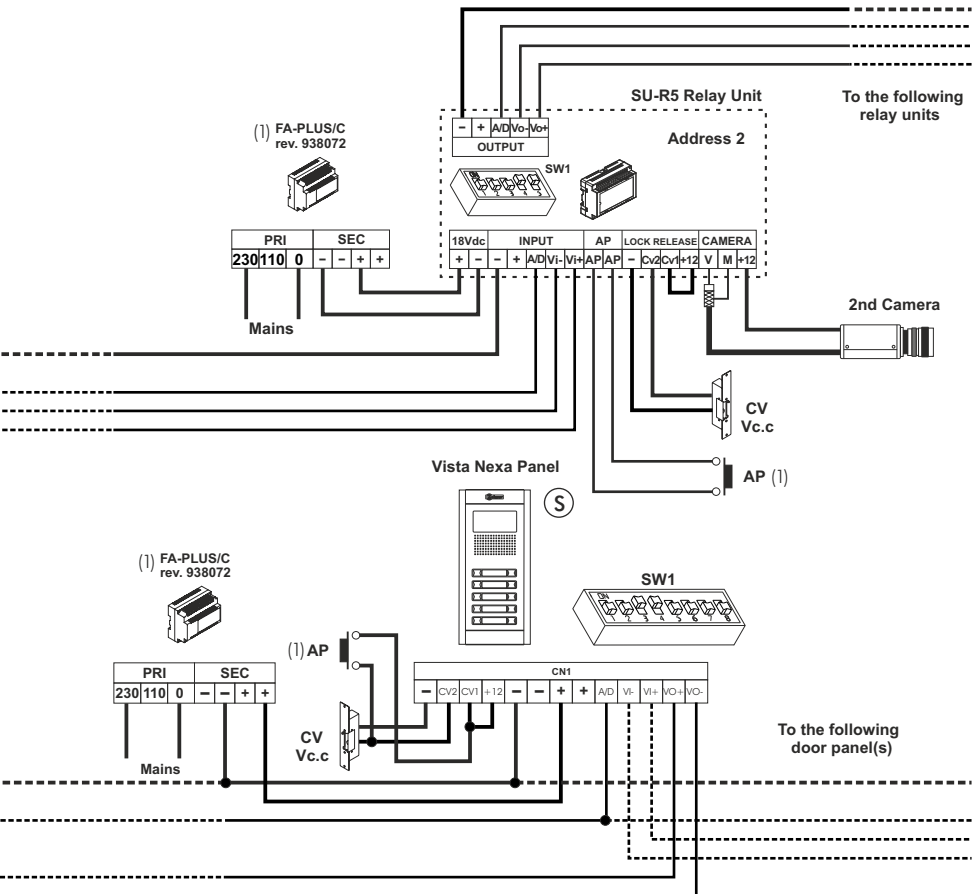
If the system has more than one door panel, wire the second panel as shown on the diagram.

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

(1) **Important:** If the "AP" function is used, each relay unit and each panel will have its own power supply unit.

Note: The address of the relay units connected to the system must be correlative (in order: 1st the unit with address '1', 2nd the unit with address '2', 3rd the unit with address '3' and 4th the unit with address "4").

Note: The CD-Plus/R5 converter for porter's exchange, distributors, monitors and telephones should be connected to the output of the last SU-R5 relay unit, never between the door panel and the relay unit.

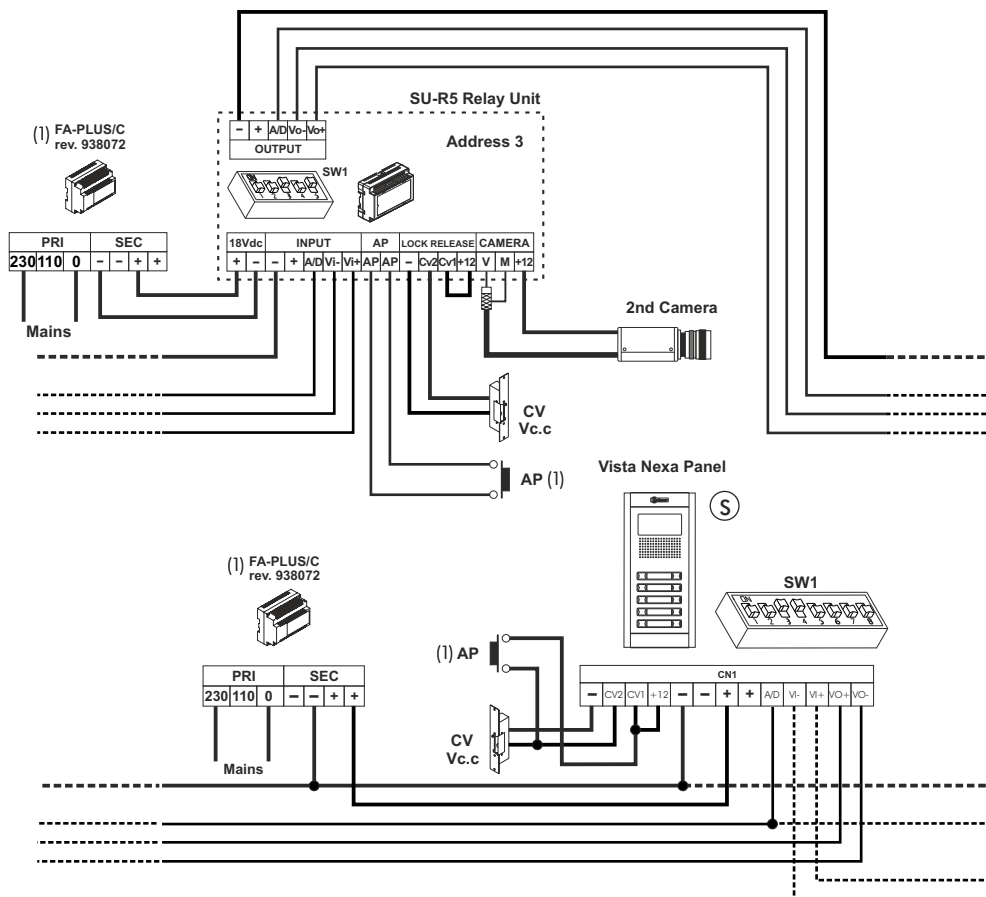


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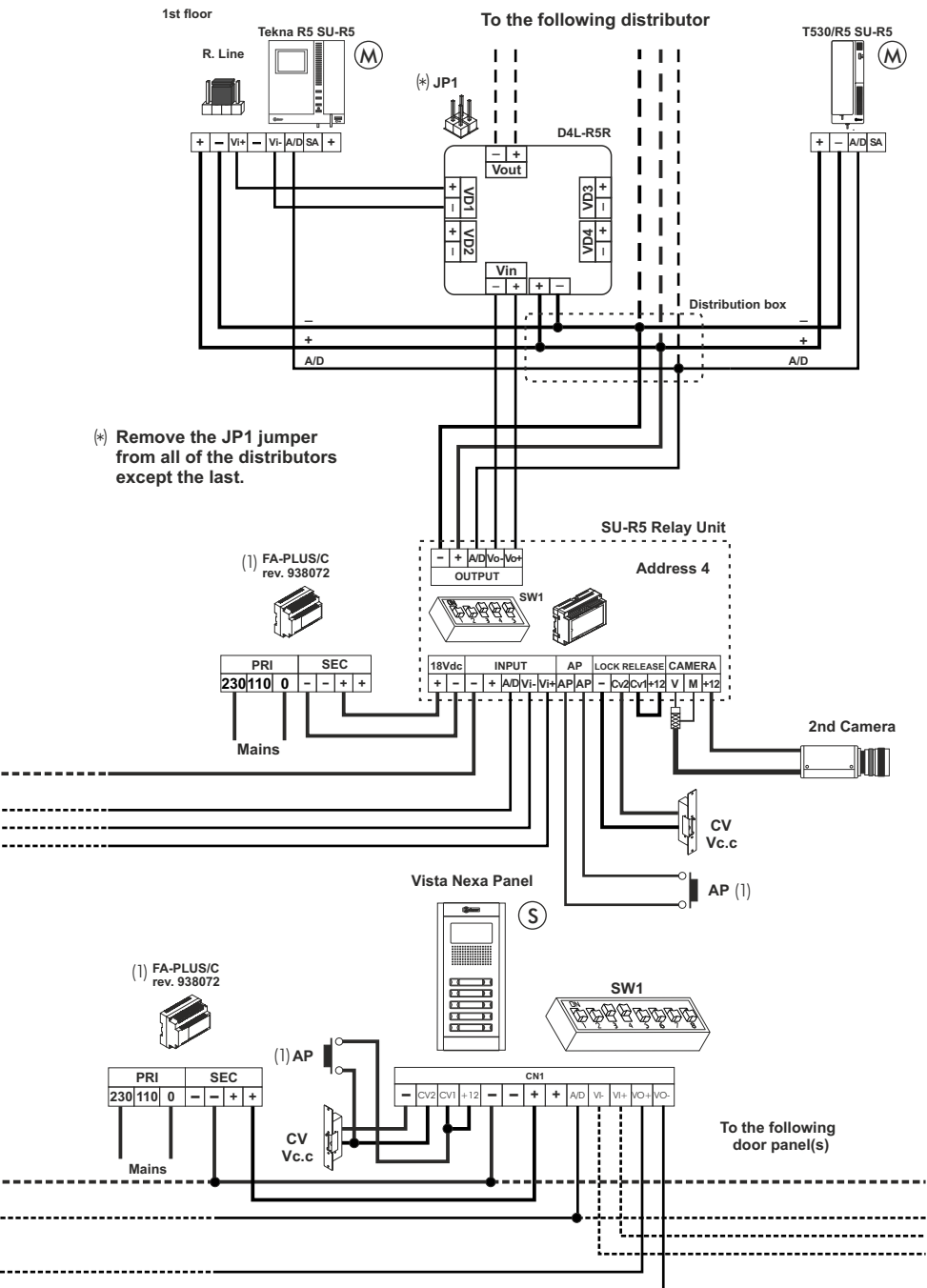
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(M) = Master.

(S) = Slave.



IMPORTANT: To configure and program each device, see the corresponding product manual.





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