

EDVEX[®]

Communicating in style

DIGITAL 2-WIRE SYSTEM "Digit 2 Wires"
WITH ELECTRONIC UNIT Type 12B2
FOR SERIES 1200 PANEL WITH NUMERIC KEYPAD

INSTALLATION AND CONNECTION MANUAL

GB

Digit²wires[®]

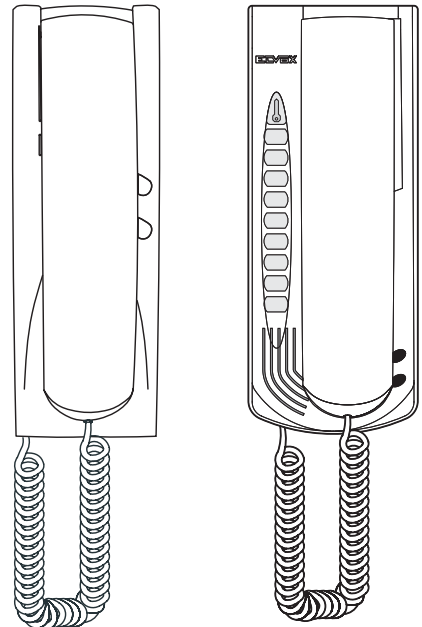
**ELECTRONIC UNIT
TYPE 12B2
FOR SERIES 1200
PANELS**



POWER SUPPLY



PHONES



CE Il prodotto è conforme alla direttiva europea 2004/108/CE e successive.
Product is according to EC Directive 2004/108/CE and following norms.

SAFETY INSTRUCTIONS FOR INSTALLERS

- Carefully read the instructions on this leaflet: they give important information on the safety, use and maintenance of the installation.
 - After removing the packing, check the integrity of the set. Packing components (plastic bags, expanded polystyrene etc.) are dangerous for children. Installation must be carried out according to national safety regulations.
 - It is convenient to fit close to the supply voltage source a proper bipolar type switch with 3 mm separation (minimum) between contacts.
 - Before connecting the set, ensure that the data on the label correspond to those of the mains.
 - Use this set only for the purposes designed, i.e. for electric door-opener systems. Any other use may be dangerous. The manufacturer is not responsible for damage caused by improper, erroneous or irrational use.
 - Before cleaning or maintenance, disconnect the set.
 - In case of failure or faulty operation, disconnect the set and do not open it.
 - For repairs apply only to the technical assistance centre authorized by the manufacturer.
 - Safety may be compromised if these instructions are disregarded.
 - Do not obstruct opening of ventilation or heat exit slots and do not expose the set to dripping or sprinkling of water.
 - Installers must ensure that manuals with the above instructions are left on connected units after installation, for users' information.
 - All items must only be used for the purposes designed.
- WARNING:** to avoid the possibility of hurting yourself, this unit must be fixed to the wall according to the installation instructions.
- This leaflet must always be enclosed with the equipment.

Directive 2002/96/EC (WEEE)

The crossed-out wheeled bin symbol marked on the product indicates that at the end of its useful life, the product must be handled separately from household refuse and must therefore be assigned to a differentiated collection centre for electrical and electronic equipment or returned to the dealer upon purchase of a new, equivalent item of equipment.

The user is responsible for assigning the equipment, at the end of its life, to the appropriate collection facilities.

Suitable differentiated collection, for the purpose of subsequent recycling of decommissioned equipment and environmentally compatible treatment and disposal, helps prevent potential negative effects on health and the environment and promotes the recycling of the materials of which the product is made. For further details regarding the collection systems available, contact your local waste disposal service or the shop from which the equipment was purchased.

Risks connected to substances considered as dangerous (WEEE).

According to the WEEE Directive, substances since long usually used on electric and electronic appliances are considered dangerous for people and the environment. The adequate differentiated collection for the subsequent dispatch of the appliance for the recycling, treatment and dismantling (compatible with the environment) help to avoid possible negative effects on the environment and health and promote the recycling of material with which the product is compound.

**Electronic unit Type 12B2 for series 1200 panels****INTRODUCTION**

With the Digit Digit 2 Wires electronic unit Type 12B2 it is possible to build series 1200 audio panels with alphanumeric keyboard and display complete with 2-line, 16-character each, display.

The electronic units are to be used with series 1200 plates and components, supplied separately.

Selection of the elements starts with the plate for the standard electronic unit, continuing with the addition of any extra plates that make it possible to expand the standard modules. To complete the panel, the box and frame versions are selected according to the type of panel installation; surface wall-mounted or flush-mounted.

DESCRIPTION

Type 12B2 corresponds to the electronic unit for building an electronic audio plate with alphanumeric keyboard and display.

This unit provides the facility to create exclusively audio door entry installations with only 2 polarised wires to the cable riser.

The entrance panels are designed to operate either alone or together with other entrance panels by interconnecting the specific terminal boards; a maximum of 2 additional panels can be connected in parallel with the main panel by adding one additional wire from one entrance panel to the next. (no more than 3 panels per installation).

Electronic entrance panels can also generate different call codes by means of the numerical keypad, with values from 1 to 9999. A maximum of 200 users can be configured in the system.

Facility to connect one interphone to another interphone with the same call (max. 2 interphones connected in parallel).

The front of the panels feature "External Volume - 2", "Internal Volume - 3" and "Audio Balance - 1" controls, which are preset in the factory. If necessary we recommend exclusively adjustment of "External Volume" and, if necessary, adjustment of "Balance" in the case of feedback on the speech unit, turning the specific trimmer slightly clockwise or anti-clockwise until the feedback howl is eliminated. In addition, the entrance panel can be programmed directly from the keypad for the technical parameters programming phase.

INSTALLATION

The assembling and the installation of the electronic units for the 1200 series plates require the following phases:

- 1- Define the plate for the electronic base unit and possible additional plates (see components on page 3).
- 2- Define the back boxes and the frames for the surface wall-mount or flush-mount installation (see accessory on page 4).
- 3- Install the flush-mounted wall box or surface-mounted wall box at suitable height. Route the wires through the hole at the bottom of the box.
- 4- Fix the rainproof cover on the back box.
- 5- Fix the terminal box of the base module to the module holder frame of the entrance panel.
- 6- Connect the terminal block to the system as shown in the wiring diagram.
- 7- Fix the module holder frame to the back boxes
- 8- Connect the electronic unit of the base module to the plates with name-tags.
- 9- Insert the electronic unit and the additional modules in the module holder frame of the entrance panel.
- 10- Insert the microphone of the electronic base unit in the module holder frame of the entrance panel (Fig. 8, Part 1).
- 11- Program the entrance panel.
- 12- Insert the external plate of the electronic unit in the module holder frame and the additional entrance panels in the remaining module holder frames.
- 13- Close the panel

BASIC MODULES

The basic modules comprise: an electronic unit and a connection terminal block. The electronic unit is equipped with a speech unit, a backlit alphanumeric display, a keypad, and wiring for connecting the terminal block.

Fig. 2

Wiring for terminal block connection

Electronic unit
Art. 12B2



Controls:

- 1 - Balance
- 2 - External volume
- 3 - Internal volume

TERMINAL BLOCK

The terminals of the circuit board are located on another printed circuit connected to the entrance panel by means of a 20-pin connector (see Fig. 3).

N.B.: Observe the correct polarity when connecting the digital bus. Refer to the wiring diagrams given on the following pages.

The board with the connection terminal block is also equipped with two jumpers designated BL1 and BL2 with jumpers installed. Remove the jumpers to increase immunity to disturbance.

The board has also a fixed "LOAD" jumper. The jumper must be retained with a single entrance panel while with several entrance panels connected in parallel (maximum three) it should be left intact on just one of the entrance panels, while it must be severed on the other entrance panels.

TERMINAL BLOCK



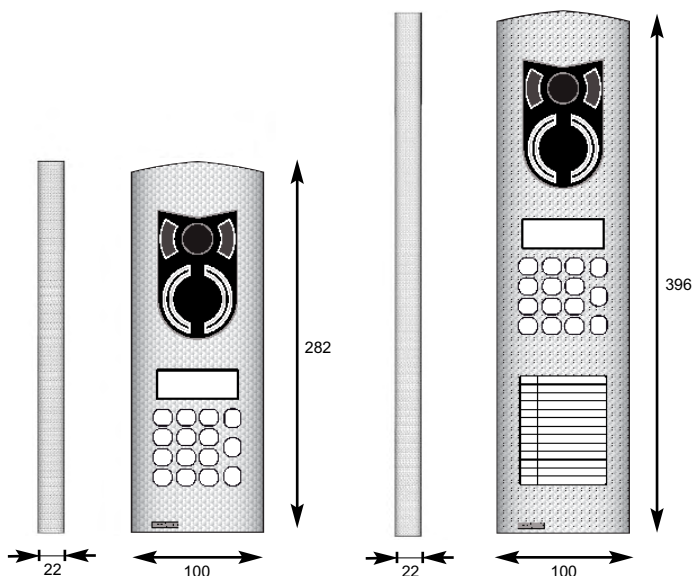
Terminal Description

- S2 Direct electric lock control (- 12 V).
- +S1 Direct electric lock control (+ 12 V).
- AC Power supply (from transformer Art. 832A).
- AC Power supply (from transformer Art. 832A).
- TU Not used.
- +5 + 5V output.
- TRX Communication line for test.
- Ground.
- PB Additional pushbutton for lock control.
- PA Additional pushbutton for lock control.
- +12 + 12Vdc output for services (supplementary modules power supply)
- F2 Not used
- F1 Not used
- CH Connection line for door call pushbutton.
- LO Line for "engaged" signal for configurations with several panels connected in parallel.
- L2 Digital bus (2 wires) to interphone cable riser (-16Vdc).
- L1 Digital bus (2 wires) to interphone cable riser (+16Vdc).

Fig. 3

HEIGHT OF 2-MODULE ENTRANCE PANELS

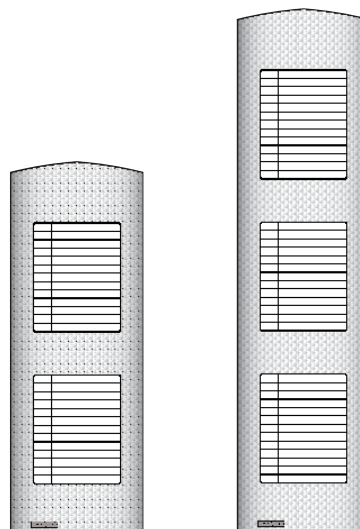
HEIGHT OF 3-MODULE ENTRANCE PANELS



Art. 122D

Art. 123D

SUPPLEMENTARY PUSH-BUTTON PANELS



Art. 122N

Art. 123N

ACCESSORIES: BACK BOXES MODULE-HOLDER FRAMES

Width of back boxes 88 mm for 1 horizontal module and depth 50 mm.

Type 9092

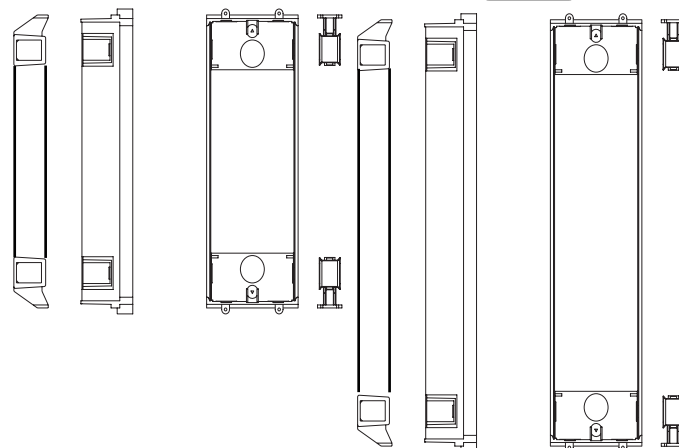
For 2 additional modules.
Height: 2 vertical modules (248 mm)

Type 9093

For 3 additional modules.
Height: 3 vertical modules (360 mm)

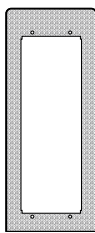
Fig. 4A

Fig. 4B



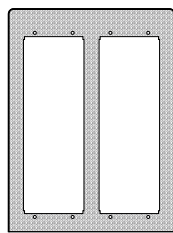
RAINFOOF COVERS

1P21
for 1 panel
2 modules high



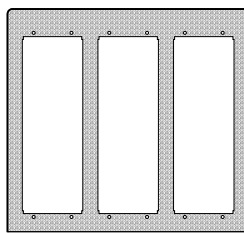
124 front side
120 rear side

1P22
for 2 panels
alta 2 moduli



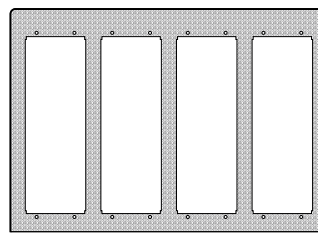
224 front side
220 rear side

1P23
for 3 panels
2 modules high

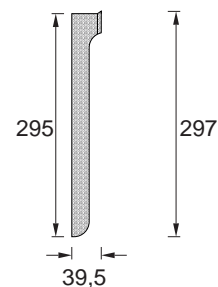


324 front side
320 rear side

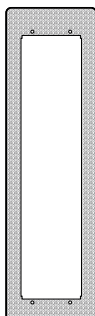
1P24
for 4 panels
2 modules high



424 front side
420 rear side

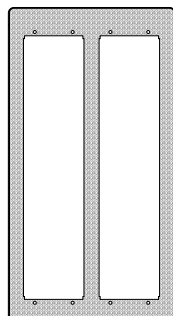


1P31
for 1 panel
3 modules high



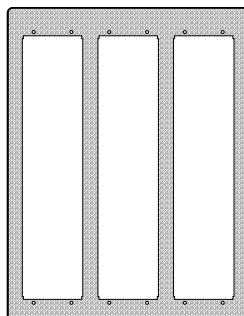
124 front side
120 rear side

1P32
for 2 panels
3 modules high



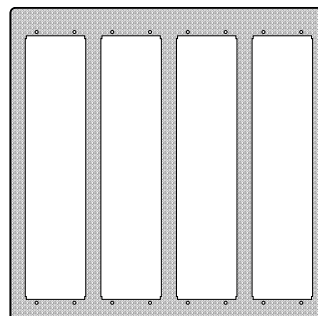
224 front side
220 rear side

1P33
for 3 panels
3 modules high

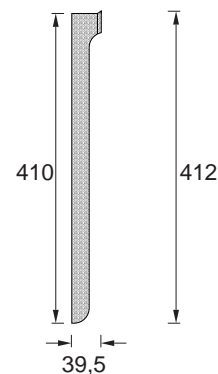


324 front side
320 rear side

1P34
for 4 panels
3 modules high

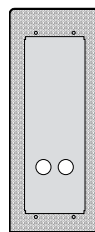


424 front side
420 rear side



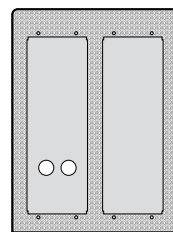
SURFACE-MOUNTED BOXES WITH RAINFOOF COVER

1E21
for 1 panel
2 modules high



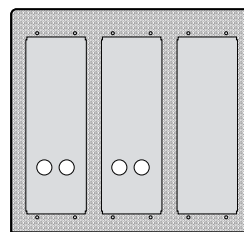
124 front side
120 rear side

1E22
for 2 panels
alta 2 moduli



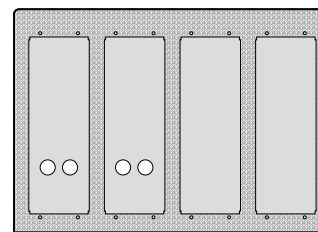
224 front side
220 rear side

1E23
for 3 panels
2 modules high

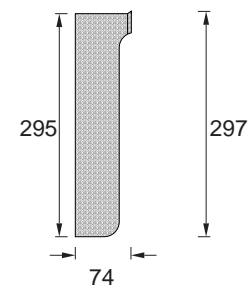


324 front side
320 rear side

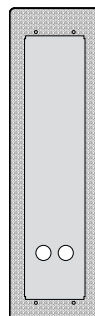
1E24
for 4 panels
2 modules high



424 front side
420 rear side

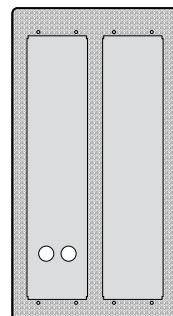


1E31
for 1 panel
3 modules high



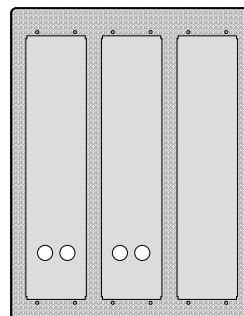
124 front side
120 rear side

1E22
for 2 panels
3 modules high



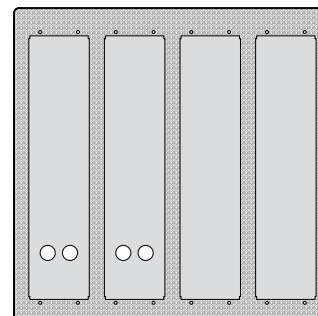
224 front side
220 rear side

1E23
for 3 panels
3 modules high

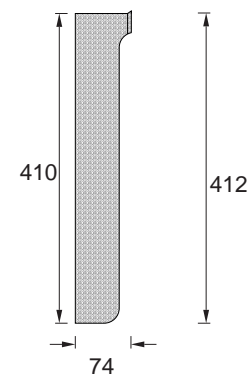


324 front side
320 rear side

1E24
for 4 panels
3 modules high



424 front side
420 rear side



FLUSH-MOUNTED ENTRANCE PANEL INSTALLATION WITH RAIN-PROOF COVERS.

Assembly of flush-mounted entrance panel requires the use of the flush-mounted back boxes type 9092 (9192), 9093 (9193) respectively for 2 or 3 electronic modules mounted vertically (Fig. 4A and 4B).

If the entrance panel uses more than one flush-mounted back box, the rainproof covers must also be used (see ALPHANUMERIC DISPLAY plates: accessories on page 4, series 1Pxx), according to the number of modules fitted vertically or horizontally.

Note: Back boxes type 9092 and 9192 or 9093 and 9193 cannot be matched between them but only between: 9092 with 9092, 9192 with 9192 or 9093 with 9093 and 9193 with 9193.

Warning: during installation of back box type 9192 it is necessary to insert the cover supplied in order to avoid possible deformations of the box itself

Installation:

- If the installation requires a combination of several back boxes, use the hooks supplied with the back boxes to secure them together (Fig. 5).
- Install the flush-mounted wall box or surface-mounted wall box at suitable height.
- Fix the terminal block of the electronic unit on the module holder frame by means of the screws supplied (Fig. 6).
- Fix the rainproof cover to the flush-mounted back box using the screws supplied (Fig. 6).
- Fix the module holder frames to the frames and the back boxes (Fig. 6).
- Connect the terminal box of the electronic unit to the system.
- Connect the terminal block of the electronic unit by means of the wiring on the upper section.
- Connect the additional modules, if any, and insert them.
- Insert the electronic unit.
- Insert the microphone in the lower right section of the frame (Fig. 8). **Pay attention that the microphone cables are inserted in the external slot of the electronic module (Fig. 8A, 8B).**
- Close the entrance panel, attaching the plate first from the upper section and then securing the lower section by means of the special key on the head section
- Perform the programming phases (see page 7).

SURFACE WALL-MOUNTED ENTRANCE PANEL INSTALLATION

Assembly of the surface wall-mounted entrance panel requires the use of the back boxes series 1Exx.

Installation:

- Fix the electronic unit terminal block under the module holder frame by using the screw provided (Fig. 8).
- Fix the module holder frames to the frame and back boxes (Fig. 7).
- Connect the terminal block of the electronic unit to the system.
- Connect the electronic unit to the terminal block by means of the cable present on the upper section (Fig. 2).
- Connect the additional modules, if any, and insert them.
- Insert the electronic unit.
- Insert the microphone in the right lower side of the module holder frame (Fig. 8).
- **Pay attention that the microphone cables are inserted in the external slot of the electronic module (Fig. 8A, 8B).**
- Insert the module plates in the module holder frames (Fig. 8).
- Close the entrance panel, attaching the plate first from the upper section and then securing the lower section by means of the special key on the head section.
- Perform the programming phases (see page 7).

Fig. 5

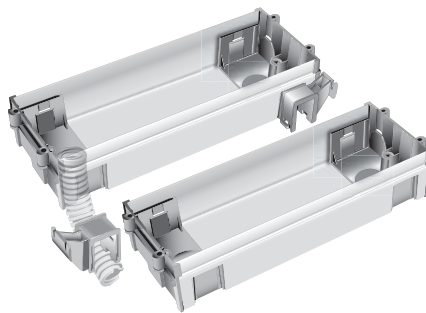


Fig. 6



Fig. 7



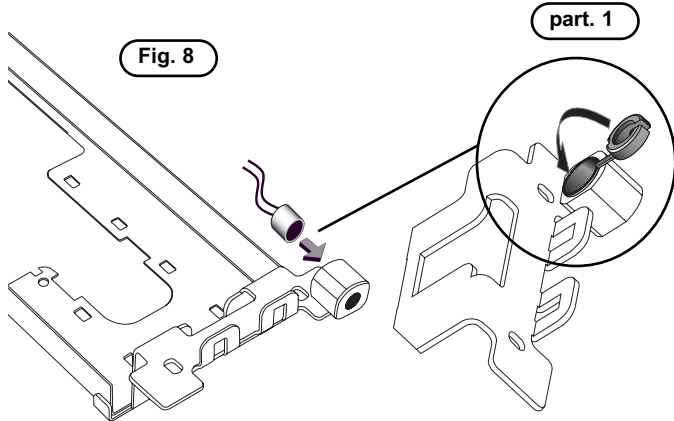
Fig. 8B



Electronic unit with module holder frame

Microphone cable

Fig. 8



part. 1

Fig. 8A



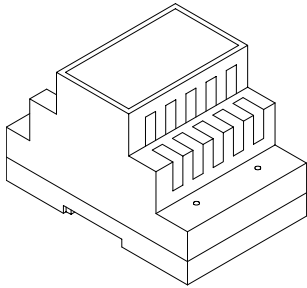
Electronic unit without module holder frame

Microphone cable

DESCRIPTION OF POWER SUPPLY UNIT Art. 832A

The power supply unit utilised for "Digit 2 Wires" series systems is transformer Art. 832A. The transformer supplies one entrance panel, pushbutton illumination system, door lock and 200 interphones. A high consumption lock or timer-controlled lock calls for the use of a second transformer Art. 832/030 and relay Art. 170/001 to be connected to the system according to diagram SI518. The transformer is equipped with a 19Vac low voltage output with maximum power rating of 30VA; the transformer features thermal and short-circuit protection by means of a PTC (type SIEMENS C850). The transformer requires a power supply of 230V (+6%, -10%) 50-60Hz. Alternative voltages are possible on demand.

N.B.: if the system is equipped with two or three entrance panels, install a transformer for each entrance panel, keeping the wires connecting each transformer to the respective entrance panel separate from the other wires.



POWER SUPPLY UNIT INSTALLATION

Before connecting the system use a normal tester to check for possible open circuits or short circuits of the wires; it is good practice to route the entry system wires through specific electrical conduits separately from mains power wires and other sources of disturbance.

Transformer Art 832A must be installed in a dry and clean location well clear of heat sources. Ensure the transformer installation location is easily accessible in order to facilitate checking and set-up procedures. Secure the transformer to the wall by means of the supplied screw anchors, or install it in a specific panel with top-hat section DIN rail.

DESCRIPTION OF INTERPHONES

"Digit 2 Wires" interphones Art. 887D, 887D/A form part of the 8870 series, while interphone Art. 6220/A belongs to the PETRARCA series. The 8870 series Digit 2 Wires interphone is supplied in the version with one lock release pushbutton and a dedicated call speaker. Call volume can be decreased by shifting the speaker connector from position A+ to position A-.

The interphones are prearranged for wall mounting and/or desktop installation (interphones Art. 887D, 887D/A are wall-mounting only, while interphone Art. 6220/A is suitable for wall mounting or, after fitting a specific support base, desktop installation).

N.B.: When a call is made from the entrance panel the voice signal is inhibited until the end of the sequence of ringtones or until the handset is picked up between one ringtone and another. Programming of the call code associated with the interphone is performed by means of 8 jumpers that are used to distinguish a given interphone from the other interphones in the system.

Installation instructions

Fig. 21 - Open the interphone and separate the cover from the base by prising the bottom side of the cover.

Fig. 22 - To separate the base of the interphone from the cover, insert a crosshead screwdriver in the central location and turn it until the cover clicks off.

Fig. 23 - Fix the interphone to a rectangular, vertical wall-box previously installed in a wall recess by means of the 2 screws supplied, or fix the screws directly to the wall using ø5mm expansion plugs. Make the connections to the terminals. The interphone should be fixed so that the top is at a height of about 1.5 m from the floor.

Art. 6220/A

Fig. 21

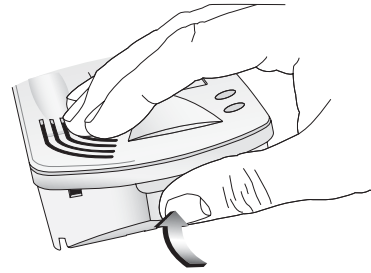
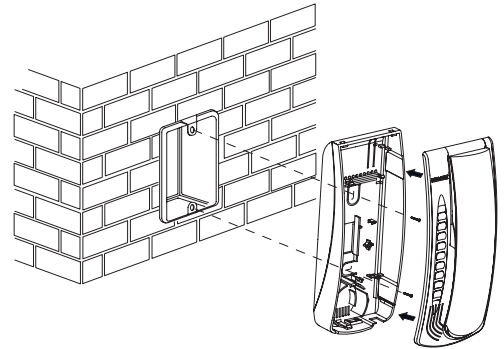


Fig. 23



Art. 887D - 887D/A

Fig. 22

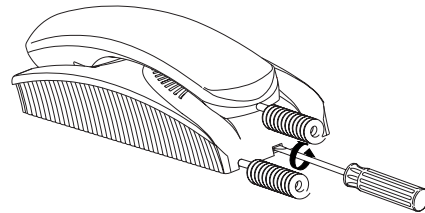
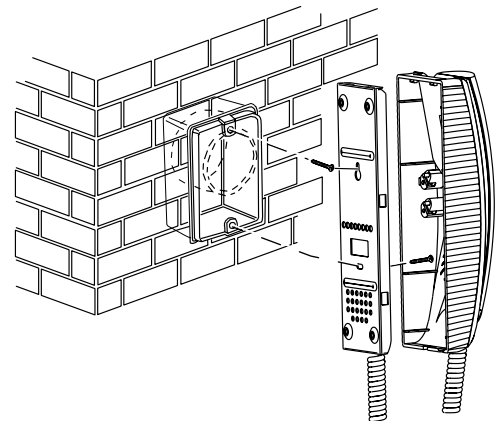


Fig. 23



OPERATION

With the entrance panel in standby (without any specific signals on the display) enter the number of the interphone to call and press key C to confirm or key R to re-enter the number. Once key C is pressed the engaged signal is transmitted to the entrance panels in parallel and the call is activated. The number of ringtones is programmable. If the handset is lifted between one ringtone and the next, the ringtones are interrupted and the voice circuit is activated immediately. If the door lock is released or a door call is made, the voice circuit is inhibited for approximately 2 seconds to prevent acoustic feedback on the entrance panel, after which it is reactivated. Before reactivating the voice circuit a check is carried out to ensure the user has not hung up the handset, in which case the conversation is terminated.

DESCRIPTION OF FUNCTIONS

Parallel engaged

With the entrance panel in standby, if another entrance panel in parallel makes a call, the LO line is set to low voltage level by the calling entrance panel. The entrance panel in standby indicates that the panel is engaged with a message on the display, and disables the keypad. In the case of a lock pulse from an interphone, if the "Lock Mode" parameter of the engaged panel is active and set to 2, the lock is opened. At the end of conversation on the active panel the LO line is returned to high voltage level and the panel in standby clears the "engaged" message from the display and re-enables the keypad.

Lock signal

The lock signal is activated from the interphone by means of a pushbutton. The following processes are performed.

- 1) The lock is activated for the set time
- 2) In the case of an active entrance panel, the interphone is disconnected to avoid acoustic feedback howl on the entrance panel, and then after approximately 2 seconds communication between interphone and entrance panel is restored.

Door lock release from an entrance panel

To release the lock directly from the entrance panel press keys R-1 simultaneously then enter the 8-digit password (from 1 to 99999999) previously programmed by accessing technical parameters with keys R-4. If the entrance panel is engaged it is anyway able to release the lock it controls, after which it returns to engaged status. To program door lock release codes perform the following procedure.




ENTRANCE PANEL TECHNICAL PARAMETERS


Press R and 4 simultaneously on the entrance panel keypad to enter technical parameters programming mode. Then enter the password and press C. The message "PROGRAM" is displayed, Press C again to display the parameters as shown in the following table.

N.	Name	Default Value	Minimum value	Maximum value	Description
1	PASSWORD	123	1	99999999	Password to enter technical programming mode
2	-----				Not used
3	LANGUAGE ENGLISH	0	0	1	Indicates the language used for technical parameters and messages on the display (Italian=0 English=1)
4	T LOCK	1	1	255	Lock activation time in seconds. N.B.: Increasing the activation time to a value of more than 5 seconds is only possible by installing an auxiliary relay Art. 170/001 and relative power supply transformer Art. 832/030.(Connection variant Ref. SI518).
5	LOCK MODE	1	1	2	This parameter is set to 1 by default (open only if the entrance panel is in conversation). If set to 2 an entrance panel engaged by another entrance panel can anyway release the lock (Art.8B62, 8B63 and 12B2 only)
6	CALLS No.	3	1	3	Indicates the number of calls to the interphone
7	CONVERSATION T	120	1	255	Conversation time in seconds
8	ANSWER T	30	1	255	Enables programmed numbering of interphones (by setting to 1). If set to 1 direct numbers are not enabled (if no SW number is found the direct call is not made)
9	ENABLE SW No.	0	0	1	Abilita la numerazione programmata dei citofoni (impostando a 1) Se si imposta a 1 i numeri diretti non sono abilitati (se non trova un numero SW non chiama il diretto)
10	TRANSFER RINGTONE TO ENTRANCE PANEL	1	0	1	If set to 1 the call tone can be heard on the entrance panel, otherwise the call tone is not transferred
11	ENABLE DEBUG	1	0	1	Enables messages

If you do not know the password to enter technical parameters programming mode, proceed as described below to change the password.


PROCEDURE TO RESTORE DEFAULT PARAMETERS AND PASSWORD

Press and release the reset button (under the panel, near the microphone), then hold down buttons , ,  until the message "Default Parameters" appears. This serves to restore standard technical parameters, resetting passwords and deleting software numbers.

Press keys R-4, enter the password, then press key  (down arrow) to enter key programming mode. Press key C to display the various numbers. The position number is shown on the first line, while the second line shows the key code, which can be edited. Press key C both after editing the code and to scroll through the numbers. When programming is completed mode press key R. A maximum of 200 different door lock release codes can be programmed.

Hardware-software codification of numbers

The numbers to be entered to call an interphone can be edited. The hardware number is the number physically set on the interphone by means of the jumpers. The default software number is the same as the hardware number. The software number to be entered to make a call can be set to a different address from the physical hardware. The new number can have a maximum of 4 digits. To configure a different logic of the interphone numbers (for example, in a hotel rooms on the first floor may be assigned numbers starting with 1: 1001, 1002, ... numbers corresponding to interphones on the second floor can be assigned numbers starting with 2: 2001, 2002, ...). To perform this codification enter the programming function with the normal procedure (press R-4 and enter the password)

then press key  (up arrow) to enter HW-SW numbers programming mode. Press key C to display the various numbers. The HW number is shown on the first line while the second line shows the editable SW number. Press key C after editing and to scroll between numbers.

When programming is terminated press key R. To enable this numbering instead of the direct system (number entered = interphone HW code number), enter parameters programming mode and set the "Enable Software N." parameter to 1.

When the software numbers are modified the entrance panel will check whether the number entered exists already as both a hardware code and a software code and, if it finds any matches it will signal that the procedure cannot be performed.

For example, if you attempt to replace a software code with number 5, which is already present, the entrance panel will respond with:

NUMBER ALREADY IN THE MEMORY

**ERR_N_HW= 005
ERR_N_SW= 0005**

followed by the message:

when this message is displayed, change the software number.

The maximum number of interphones that can be encoded is 200.

INTERPHONES PROGRAMMING

The interphones must be programmed at the time of installation and connection.
Programming serves to distinguish between the interphones installed (from 1 to max. 200).

Physical programming of interphones

Interphones are programmed using the 8 jumpers located in the 8 locations (1, 2, 4, 8, 16, 32, 64, 128) in the interphones. Numbers from 1 to 200 can be entered by means of the jumpers. (See the tables on the following pages).

INTERPHONE NUMBERS PROGRAMMING TABLE

N. 1 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 9 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 17 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 25 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 33 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 41 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 49 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 57 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 65 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 73 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 81 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 89 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 97 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 2 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 10 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 18 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 26 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 34 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 42 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 50 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 58 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 66 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 74 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input checked="" type="checkbox"/> 128 <input type="checkbox"/>	N. 82 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input checked="" type="checkbox"/>	N. 90 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 98 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input checked="" type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 3 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 11 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 19 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 27 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 35 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 43 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 51 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 59 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 67 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 75 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 83 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 91 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 99 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 4 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 12 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 20 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 28 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 36 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 44 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 52 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 60 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 68 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 76 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 84 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 92 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 100 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 5 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 13 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 21 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 29 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 37 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 45 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 53 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 61 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 69 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 77 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 85 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 93 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 101 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 6 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 14 1 <input type="checkbox"/> 2 <input checked="" type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 22 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 30 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 38 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 46 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 54 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 62 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 70 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 78 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 86 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 94 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 102 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 7 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 15 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 23 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 31 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 39 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 47 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 55 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 63 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 71 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 79 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 87 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 95 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 103 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>
N. 8 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input checked="" type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 16 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 24 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 32 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 40 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 48 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 56 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 64 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 72 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 80 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 88 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 96 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>	N. 104 1 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 8 <input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 64 <input type="checkbox"/> 128 <input type="checkbox"/>

Jumper not connected Jumper connected

INTERPHONE NUMBERS PROGRAMMING TABLE

N. 105	N. 113	N. 121	N. 129	N. 137	N. 145	N. 153	N. 161	N. 169	N. 177	N. 185	N. 193
N. 106	N. 114	N. 122	N. 130	N. 138	N. 146	N. 154	N. 162	N. 170	N. 178	N. 186	N. 194
N. 107	N. 115	N. 123	N. 131	N. 139	N. 147	N. 155	N. 163	N. 171	N. 179	N. 187	N. 195
N. 108	N. 116	N. 124	N. 132	N. 140	N. 148	N. 156	N. 164	N. 172	N. 180	N. 188	N. 196
N. 109	N. 117	N. 125	N. 133	N. 141	N. 149	N. 157	N. 165	N. 173	N. 181	N. 189	N. 197
N. 110	N. 118	N. 126	N. 134	N. 142	N. 150	N. 158	N. 166	N. 174	N. 182	N. 190	N. 198
N. 111	N. 119	N. 127	N. 135	N. 143	N. 151	N. 159	N. 167	N. 175	N. 183	N. 191	N. 199
N. 112	N. 120	N. 128	N. 136	N. 144	N. 152	N. 160	N. 168	N. 176	N. 184	N. 192	N. 200

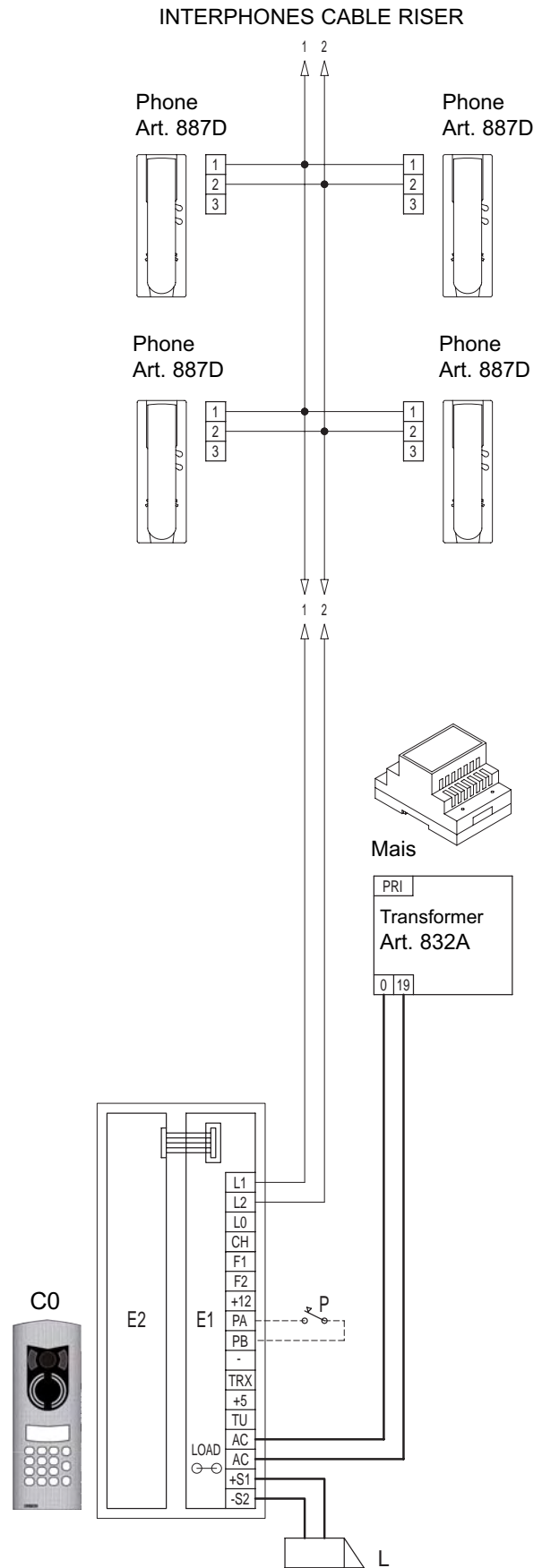
Jumper not connected Jumper connected

MINIMAL CONDUCTOR SECTION (mm²)

Conductors	Ø fino a 50 m	Ø fino a 100 m	Ø fino a 200 m
AC, AC, +S1, -S2	0,75 mm ²	1 mm ²	1.5 mm ²
1 - 2 - L0	0,25 mm ²	0,25 mm ²	0,35 mm ²

SINGLE CONDO AUDIO DOOR ENTRY SYSTEM WITH ONE ENTRANCE PANEL.

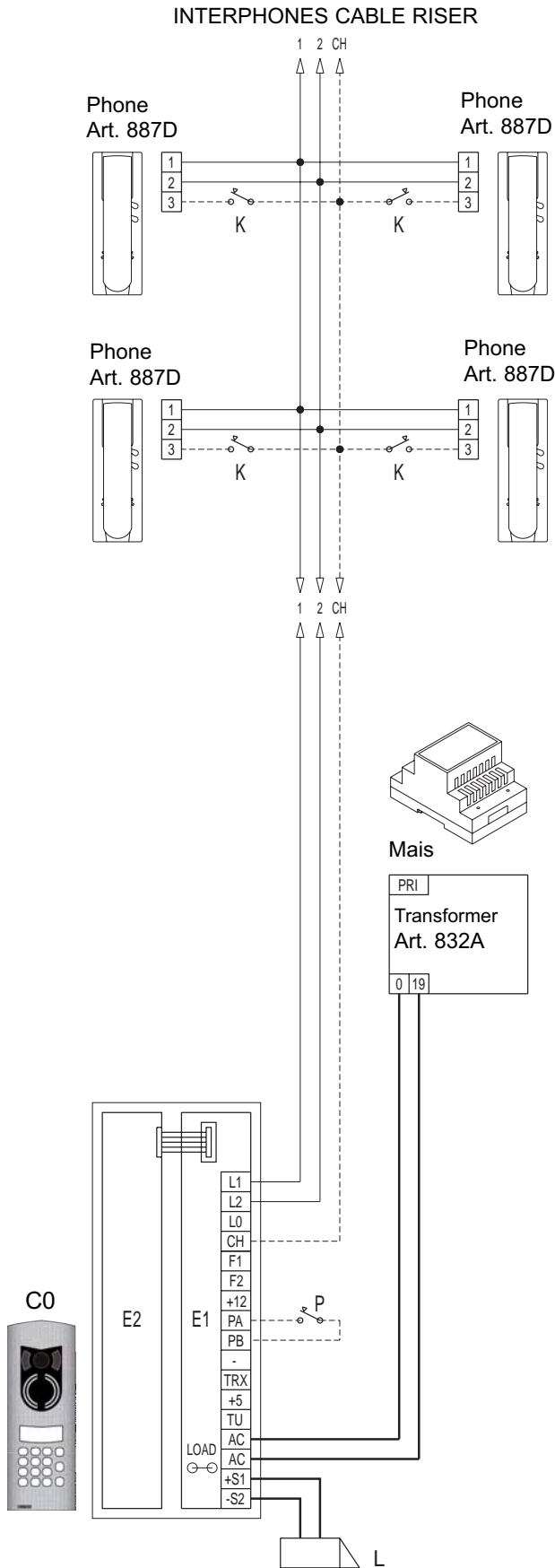
Ref. Diagram SI515.



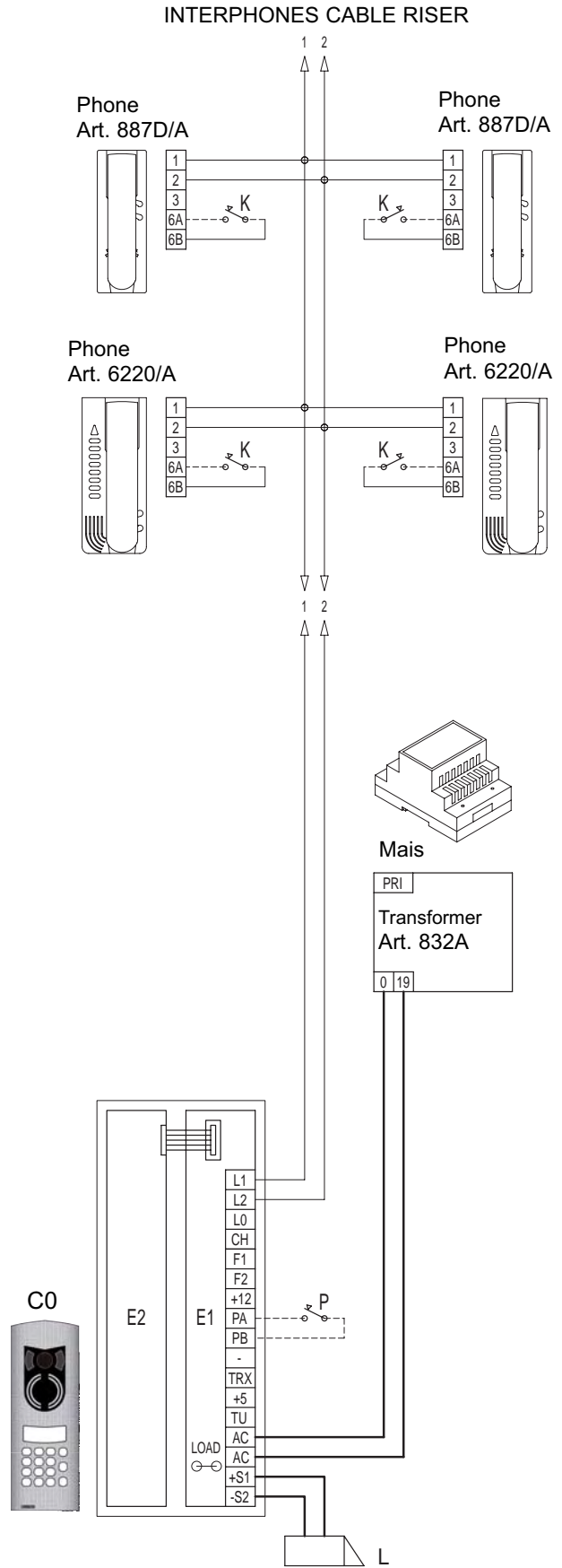
- C0- External panel series 1200 with plate Art. 122D 123D
- E1- Connection terminal block
- E2- Electronic unit Art. 12B2
- L- Electric lock 12V A.C.
- P- Additional push-button for lock

CONDO SYSTEM WITH ONE ENTRANCE PANEL AND CABLE RISER FOR INTERPHONE WITH DOOR CALL PUSHBUTTONS. Ref. Diagram SI516.

CONDO SYSTEM WITH ONE ENTRANCE PANEL, INTERPHONES ART. 6220/A AND ART. 887D/A AND DOOR CALL PUSHBUTTONS. Ref. Diagram SI521.



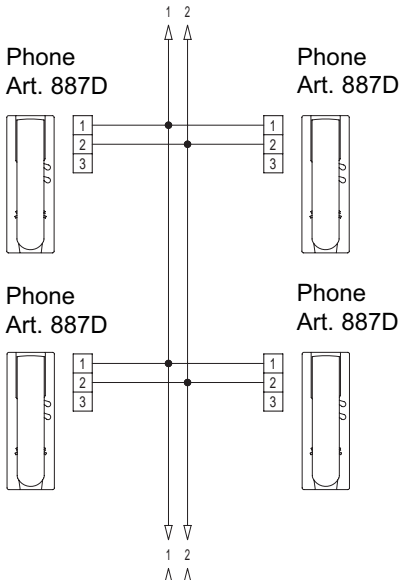
- C0- External panel series 1200 with plate Art. 122D 123D
- E1- Connection terminal block
- E2- Electronic unit Art. 12B2
- K- Outdoor call push-button
- L- Electric lock 12V A.C.
- P- Additional push-button for lock



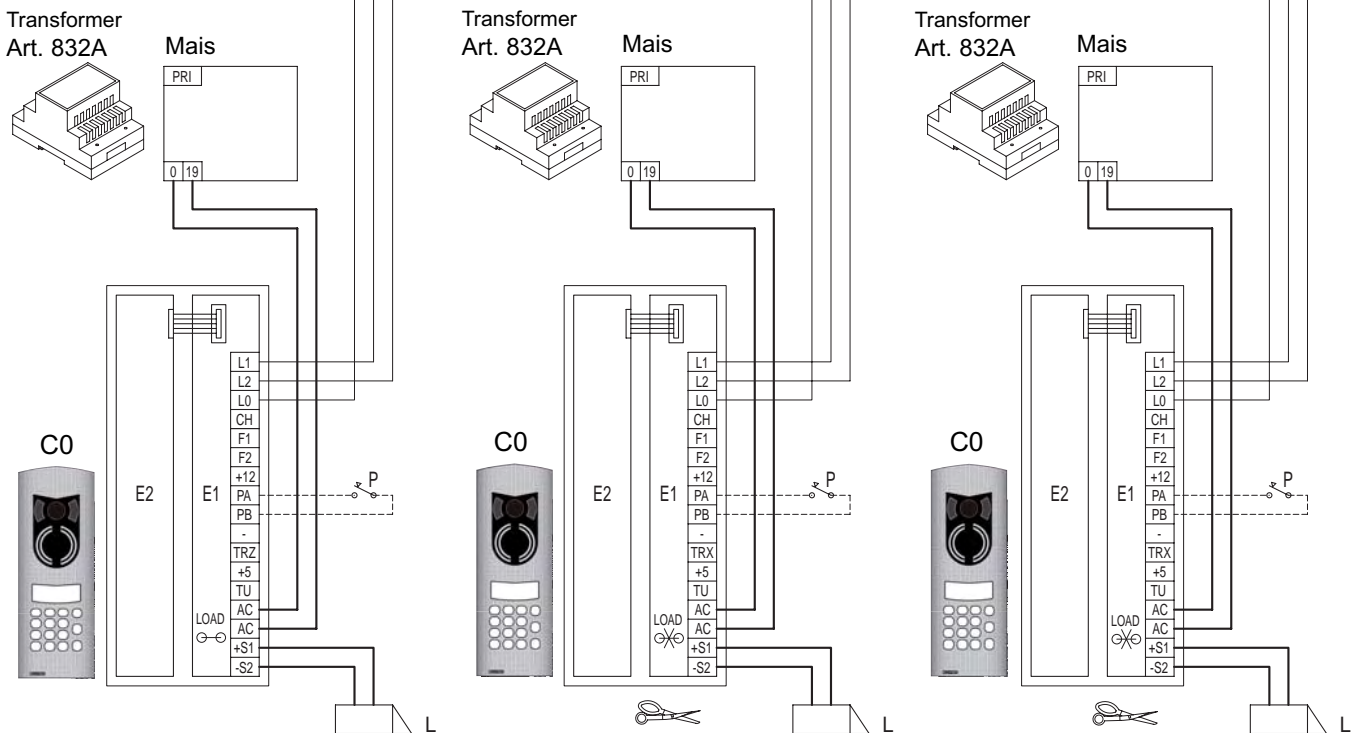
- C0- External panel series 1200 with plate Art. 122D 123D
- E1- Connection terminal block
- E2- Electronic unit Art. 12B2
- K- Outdoor call push-button
- L- Electric lock 12V A.C.
- P- Additional push-button for lock

CONDO SYSTEM WITH MORE THAN ONE ENTRANCE PANEL IN PARALLEL (MAXIMUM 3 PANELS).
 Ref. Diagram SI517.

INTERPHONES
 CABLE RISER



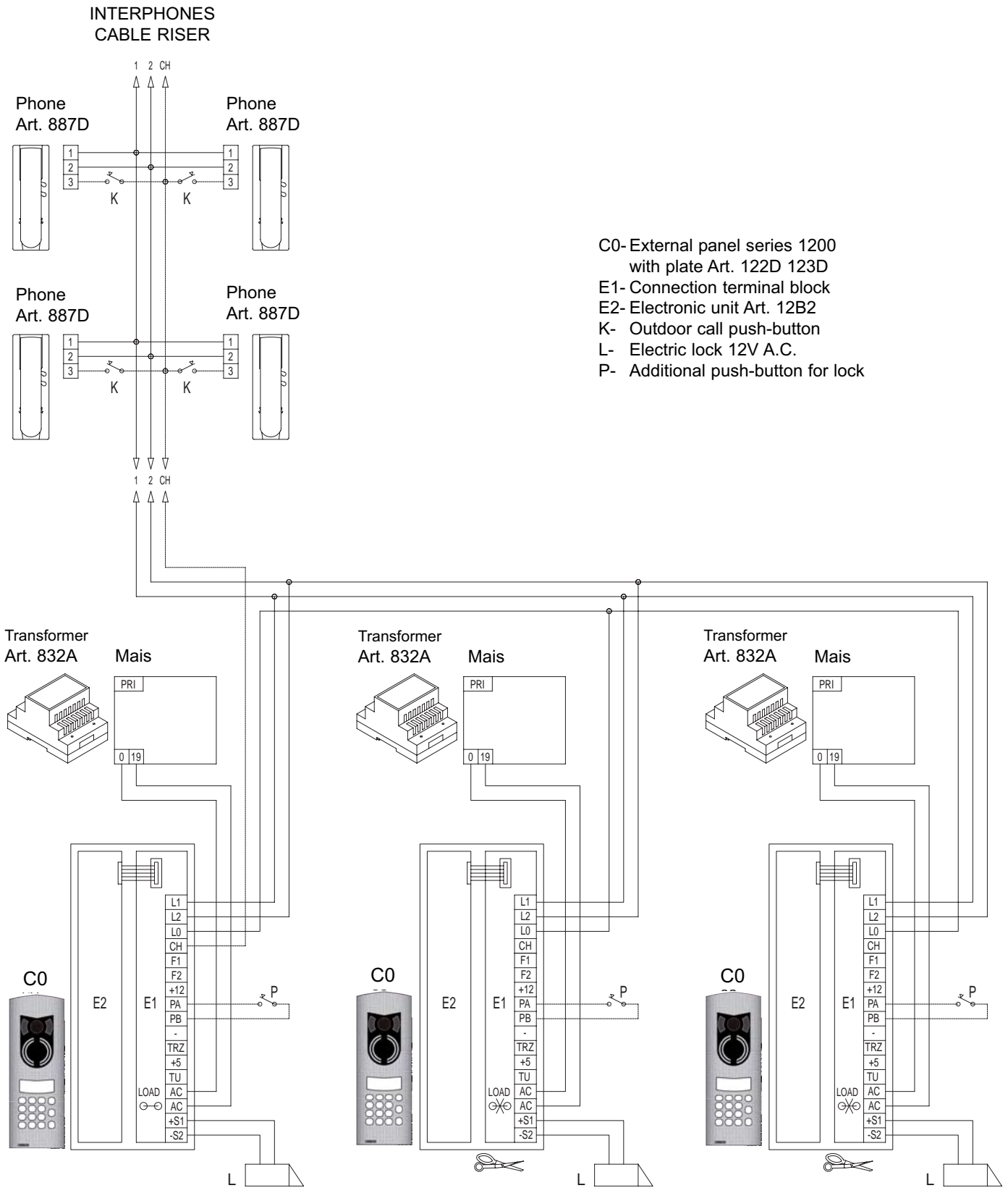
- C0- External panel series 1200 with plate Art. 122D 123D
- E1- Connection terminal block
- E2- Electronic unit Art. 12B2
- L- Electric lock 12V A.C.
- P- Additional push-button for lock



In the case of several entrance panels connected in parallel (up to three entrance panels) the "LOAD" jumper on the board of the connection terminal block must remain intact on one entrance panel while it must be severed on the others.

CONDO SYSTEM WITH MORE THAN ONE ENTRANCE PANEL IN PARALLEL (MAXIMUM 3 PANELS) AND CABLE RISER FOR INTERPHONE WITH DOOR CALL PUSHBUTTONS.

Ref. Diagram SI551.

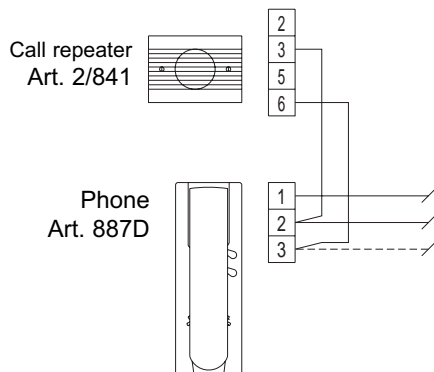


- C0- External panel series 1200 with plate Art. 122D 123D
- E1- Connection terminal block
- E2- Electronic unit Art. 12B2
- K- Outdoor call push-button
- L- Electric lock 12V A.C.
- P- Additional push-button for lock

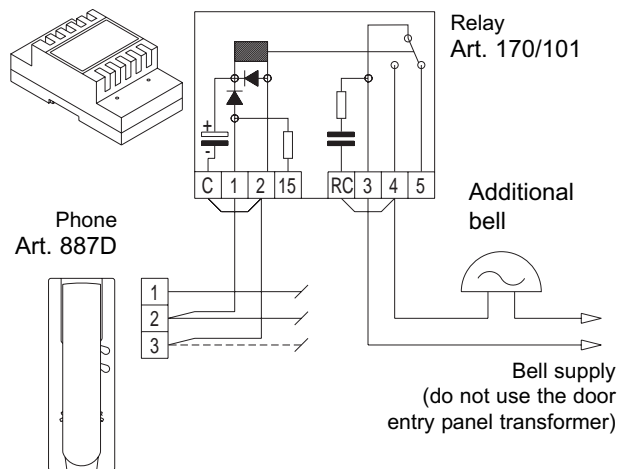


In the case of several entrance panels connected in parallel (up to three entrance panels) the "LOAD" jumper on the board of the connection terminal block must remain intact on one entrance panel while it must be severed on the others.

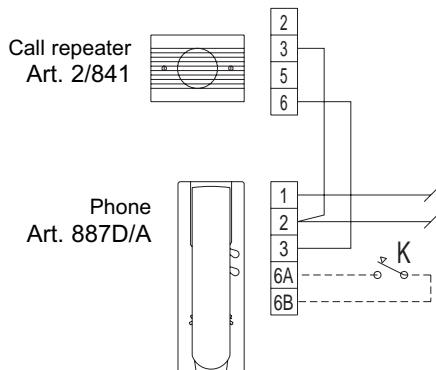
Variant for connection of call repeater Art. 2/841 with interphones Art. 887D with or without door call.



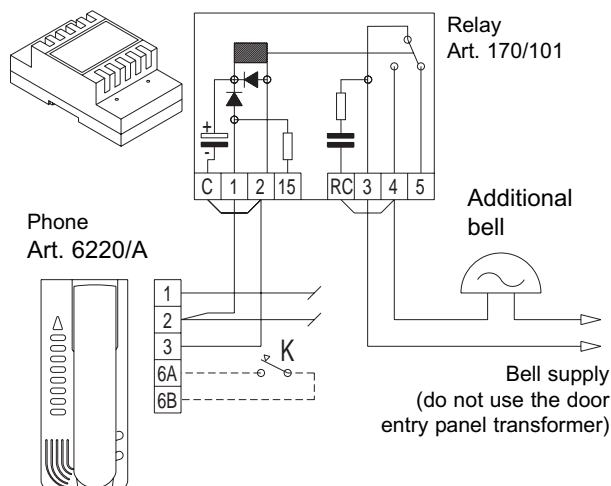
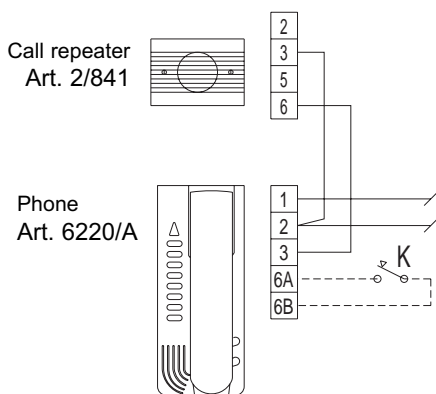
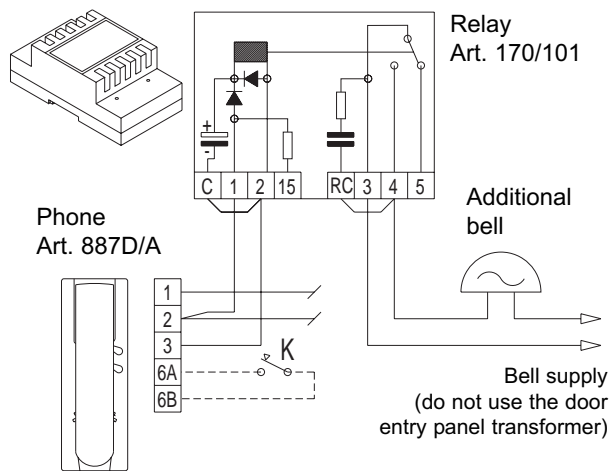
Variant for connection of call repeater Art. 2/841 with interphones Art. 887D and Art. 6220/A with door call.



Variant for connection of supplementary doorbell with interphones Art. 887D with or without door call.



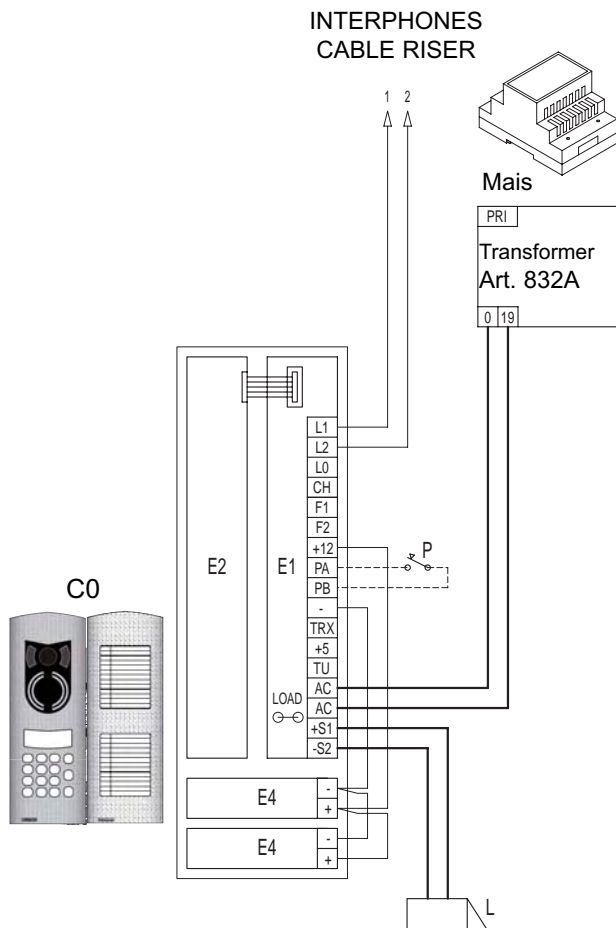
Variant for connection of supplementary doorbell with interphones Art. 887D/A and Art. 6220/A with door call.



K- Outdoor push-button

K- Outdoor push-button

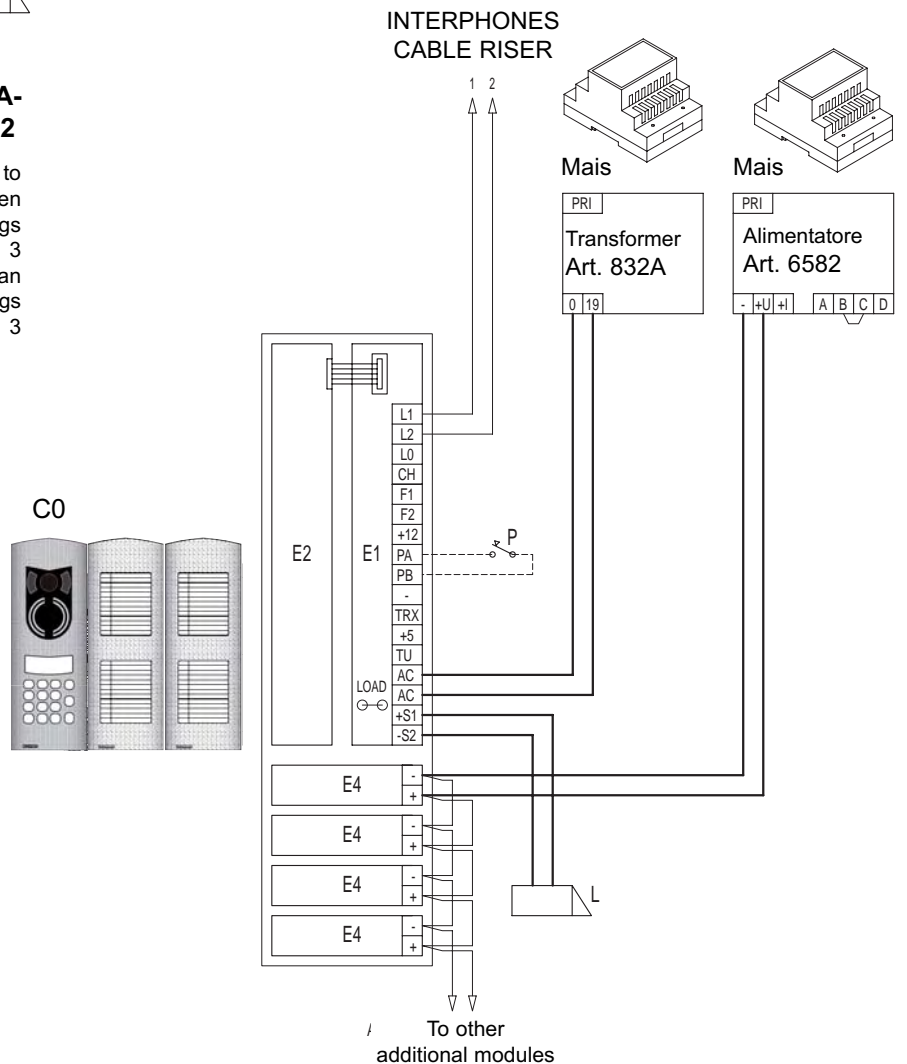
CONNECTION VARIANTS FOR SUPPLEMENTARY MODULES ART. 122N AND 123N (REF. SI519).



- C0- External panel series 1200 with plate Art. 122D 123D
- E1- Connection terminal block
- E2- Electronic unit Art. 12B2
- E4- Additional module Art. 122N, 123N Art. 122N (2 modules), 123N (3 modules)
- P- Additional push-button for lock
- L- Electric lock 12V A.C.

CONNECTION FOR SUPPLEMENTARY POWER SUPPLY UNIT ART. 6582

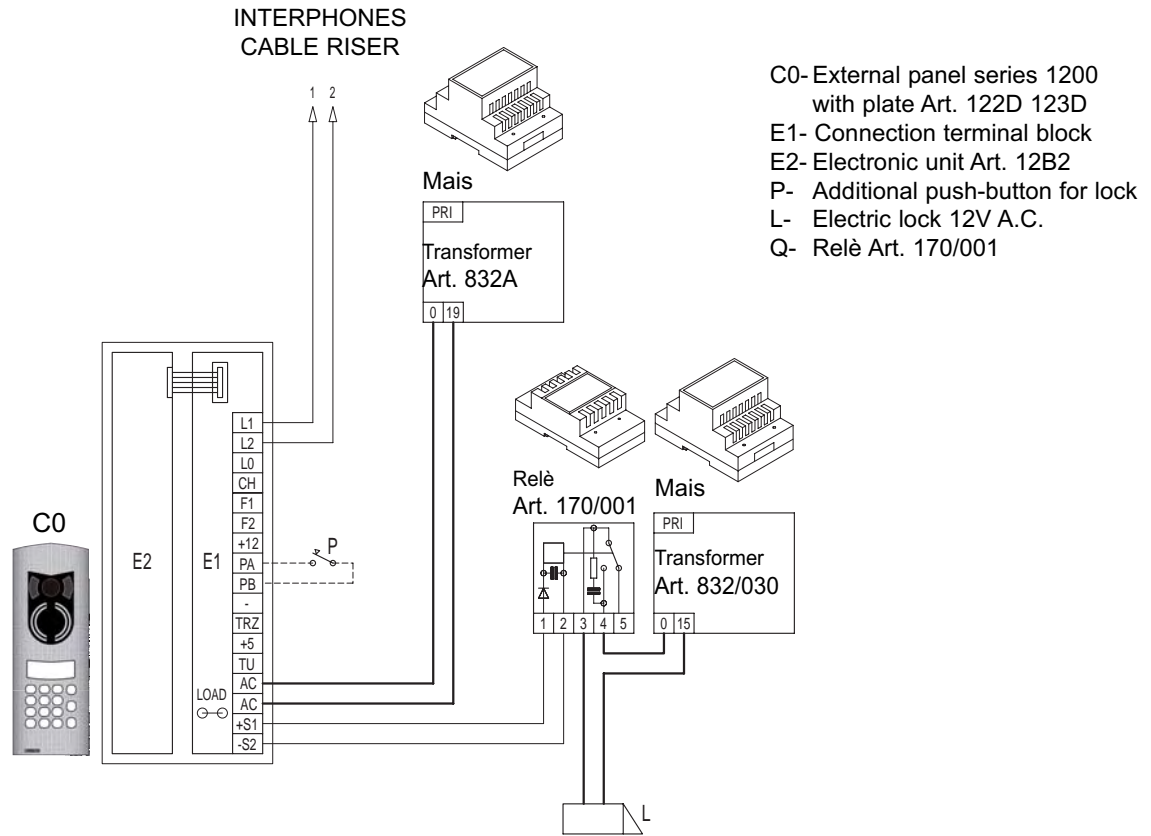
The additional power supply type 6582 is used to power the LEDs for the name-tags lighting when there are more than 8 additional name-tags modules (type 122N, 2 module panel, 123N 3 module panel) . One power supply type 6582 can power up to 65 modules of panel with name-tags modules (122N with 2 modules, 123N with 3 modules).



WIRING DIAGRAM

CONNECTION VARIATION FOR LOCK WITH SUPPLEMENTARY POWER SUPPLY (REF. S1518).

To open high power consumption/timer-controlled locks, an external transformer can be installed to power the lock by means of a relay art. 170/001 connected to entrance panel terminals +S/-S.



UNI EN ISO 9001

