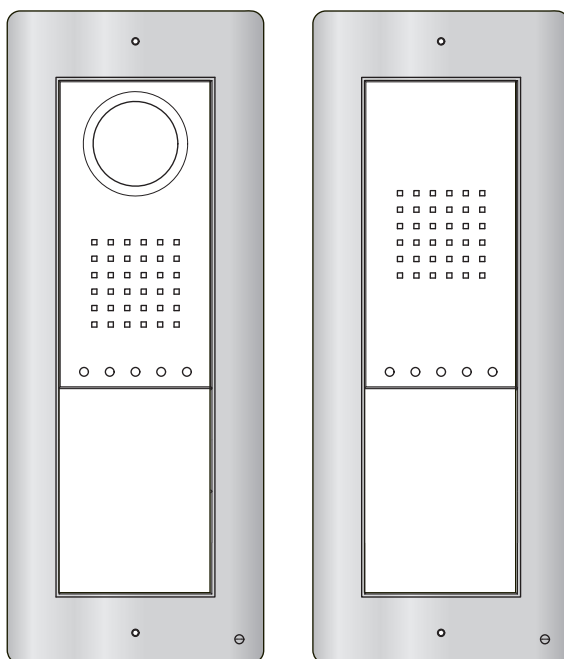




Audio and video entry panel

FA01727-EN



DVC/01-DVC/01ME DC/01-DC/01ME PROGRAMMING MANUAL

General precautions

- Read the instructions carefully before beginning the installation and carry out the actions as specified by the manufacturer.
- The installation, programming, commissioning and maintenance of the product must only be carried out by qualified technicians, properly trained in compliance with the regulations in force, including health and safety measures and the disposal of packaging.
- Before carrying out any cleaning or maintenance operation, disconnect the device from the power supply.
- The equipment must be destined solely for the use for which it was expressly designed.
- The manufacturer declines all liability for any damage as a result of improper, incorrect or unreasonable use.
- The product, in its original packaging supplied by the manufacturer, must only be transported in a closed environment (railway carriage, containers, closed vehicles).
- If the product malfunctions, stop using it and contact customer services at <https://www.came.com/global/en/contact-us> or via the telephone number on the website.

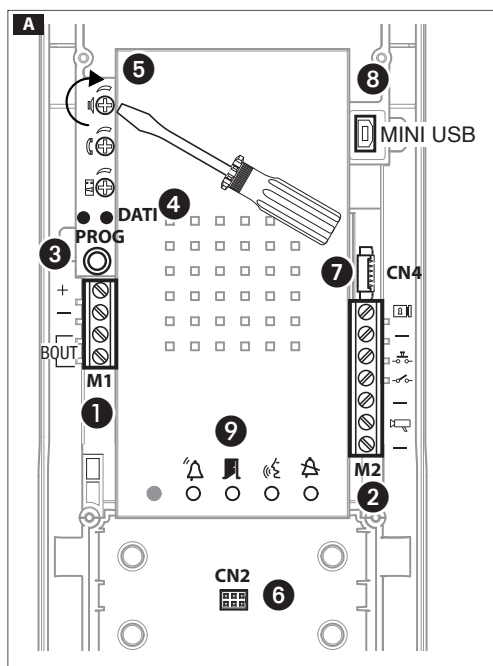
The manufacture date is provided in the production batch printed on the product label. If necessary, contact us at <https://www.came.com/global/en/contact-us>.

The general conditions of sale are given in the official CAME price lists.

Legislative references

This product complies with the applicable standards in force at the time of manufacturing.

Functions A



Terminal board ①

+ - 14-18 VDC power supply

BOUT Busbar

Terminal Board ②

Solenoid lock
- 12 V - 1 A max

Door release button (NA)

Door open contact input (NC)

- Ground
- System output (active to ground)
- Ground

Attention. For Manual programming of the Entry Panels the self-connection order is BIN1-BIN2-BIN3.

PROG key ③ and PROG LED ④

Programming key and LED (see 'Programming' paragraph). The PROG LED can be in the following conditions:

- Off
- On
- Flashing slowly
- Flashing quickly

Adjustments ⑤

- Speaker audio
- microphone audio
- solenoid lock 1÷10 s. (default 1 s)

Connectors

⑥ CN2: Connector for the unit controlling access to keypad or RFID.

⑦ CN4: Connector for possible connection of an additional keypad

⑧ MINI USB: Connector for programming from PC

Messages ⑨

- Red - Call in progress
- Green - Door open
- Yellow - Conversation in progress
- Blue - System busy

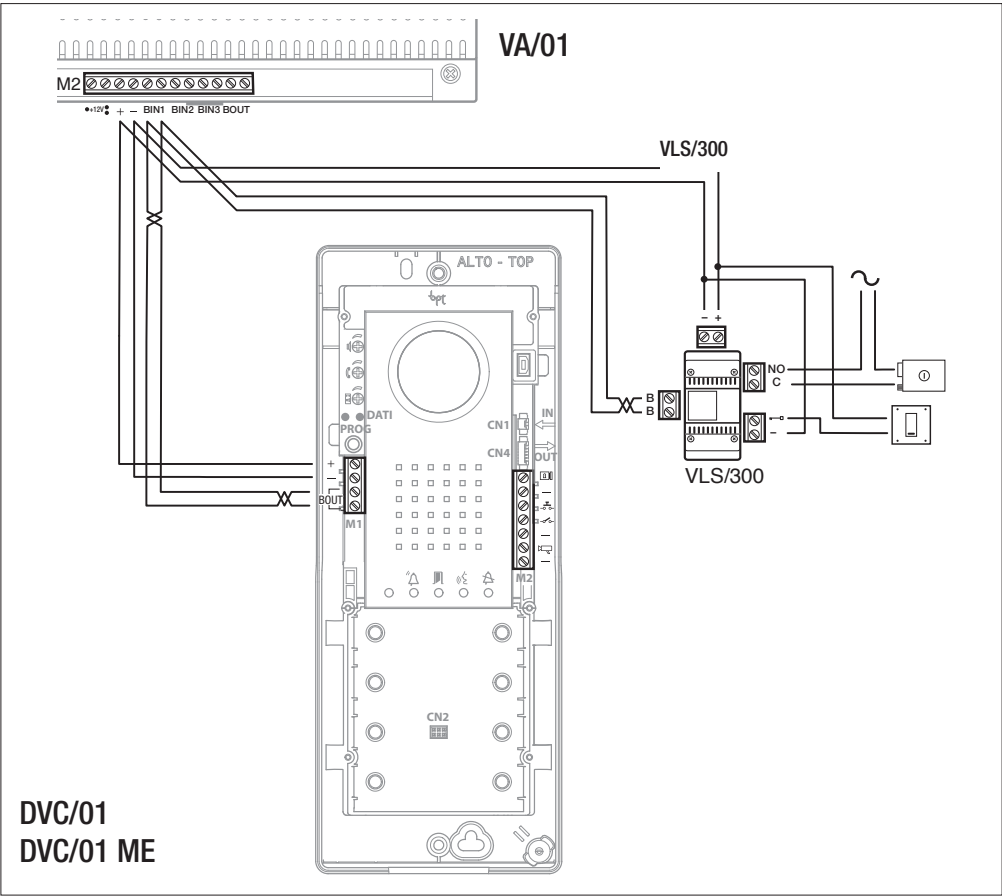
Technical features

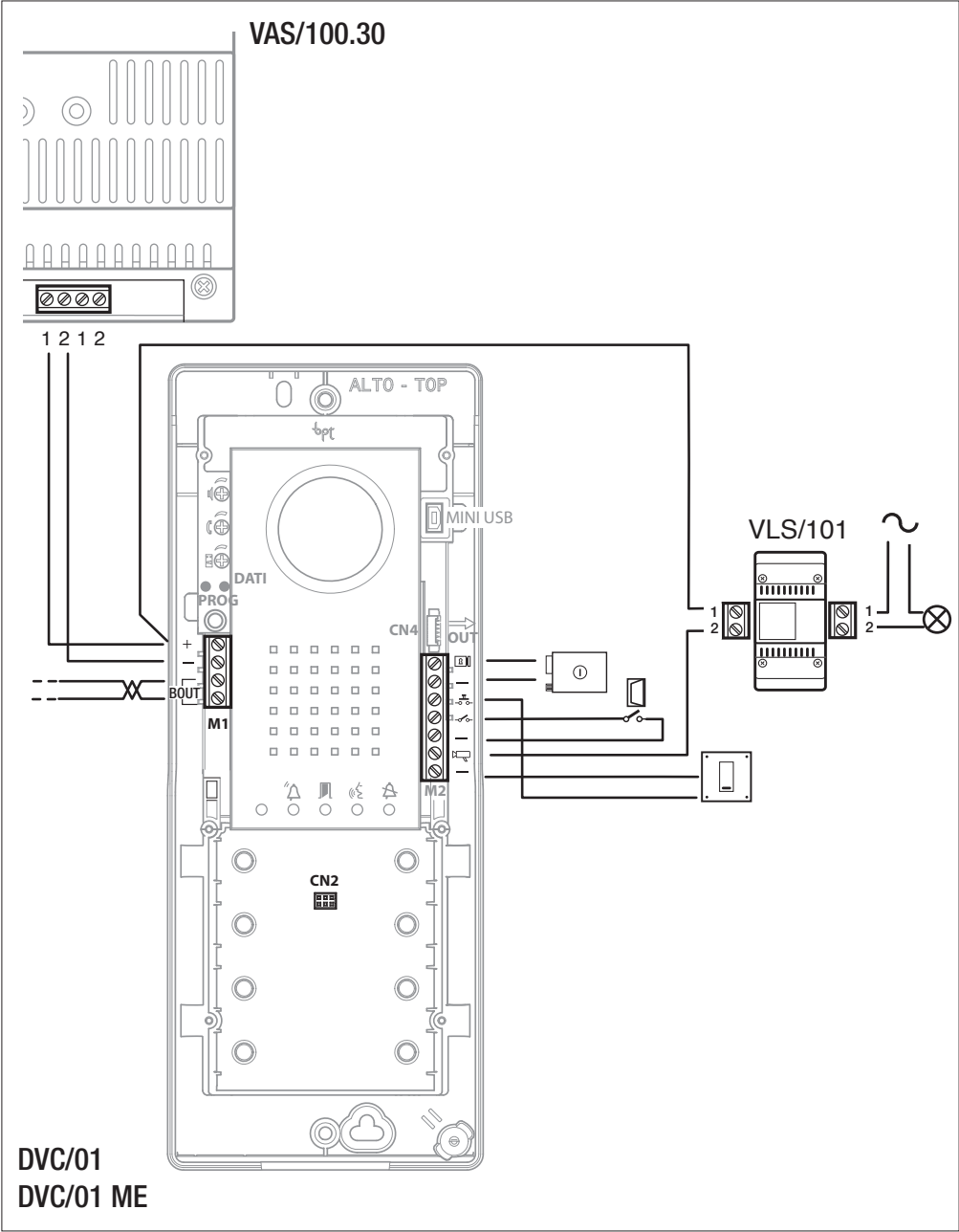
Type	DVC/01-DVC/01 ME DC/01-DC/01 ME
Power supply (VDC)	14÷18
Consumption (mA max)	320
Consumption in stand-by mode (mA)	130
Dimensions (mm)	99x254x25
Storage temperature (°C)*	-25 to + 70
Operating temperature (°C)	-15 to +50
IP Rating	54
Video standard	PAL/NTSC
Resolution (pixel)	680x512
Minimum lighting (LUX)	1
Average life (hours)**	120,000

(*) Before installing the product, keep it at room temperature where it has previously been stored or transported at a very high or very low temperature.

(**) The average product life is a purely indicative estimate. It applies to compliant usage, installation and maintenance conditions. It is also influenced by other factors, such as climatic and environmental conditions.

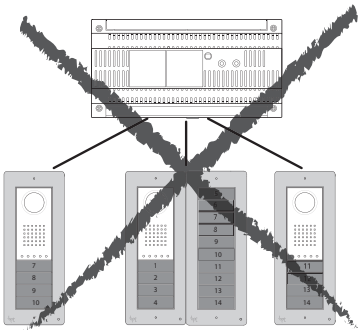
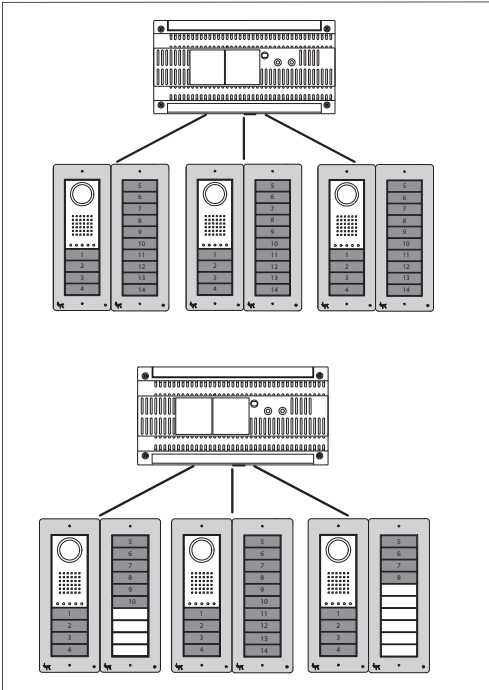
Connection examples



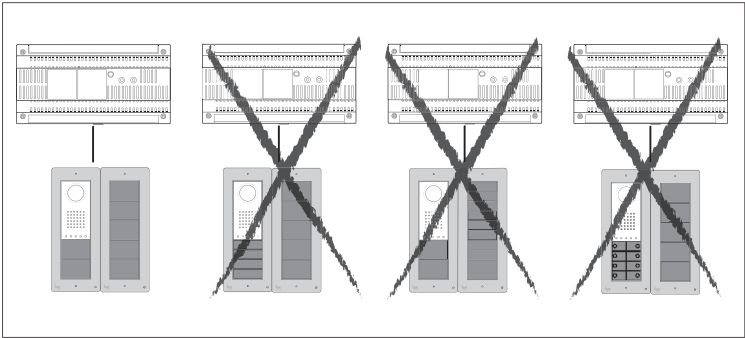
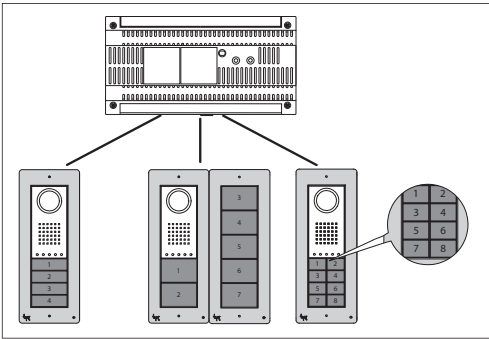


Manual programming of entry panels

It is possible to programme only one or several audio/video entry panels that have the same calls (unless "blind units" are used that disable one or more of them).



It is possible to programme entry panels (connected to the same power supply) with different types of keys, still respecting the sequence shown on the left.

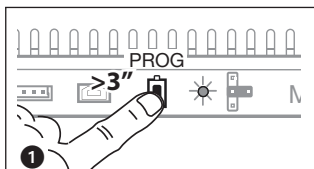


It is not possible to programme entry panels with different types of keys.

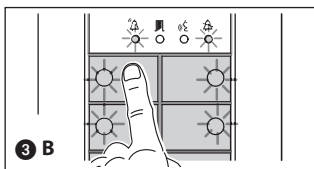
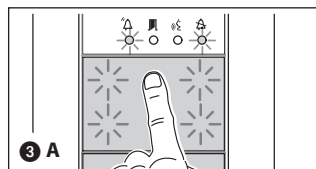
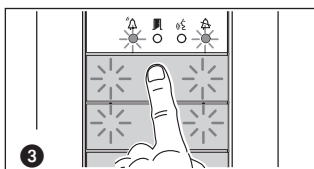
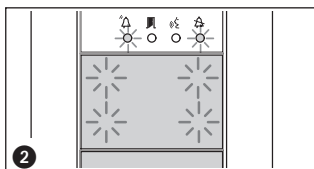
Programming with PC software removes all of the restrictions just outlined.

PROGRAMMING ENTRY PANELS WITH VA/01

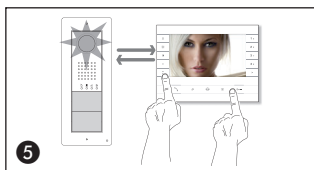
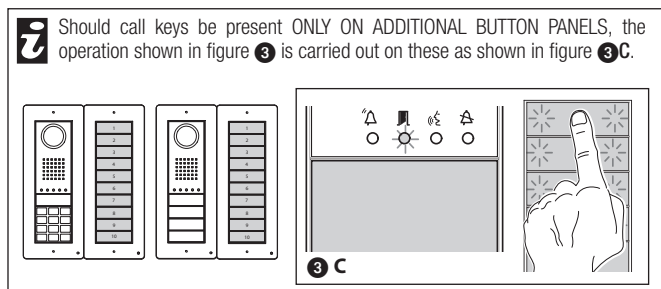
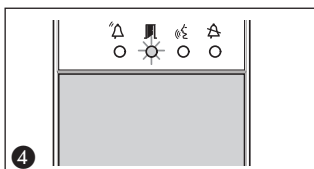
First Programming with ONE entry panel



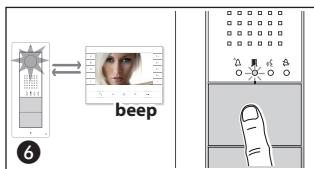
Entering Programming Mode. Press the PROG key on the power supply **1** until the PROG LED lights up. If the PROG LED immediately goes out, this indicates a malfunction in the connections between the power supply and the entry panel. Check the connections and return to programming. The LEDs on the entry panels light up as shown in figure **2**. Wait 5 seconds for the auto test to be completed and continue as shown below.



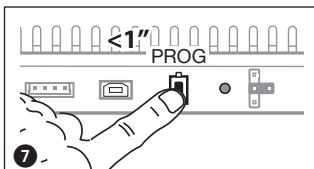
Programming Type of Keys. Press the first key on the entry panel **3/3 A/3 B** until the **Δ** LED stops flashing along with the backlighting LEDs **4**.



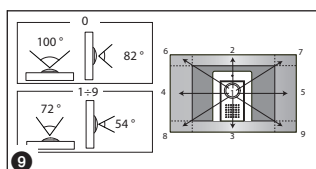
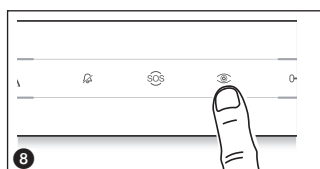
Programming the call keys. Press the door release **Δ** and AUX2 **•** buttons **5**. On the entry panel, press the call key to be linked to the receiver **6**: a beep will confirm that the setting has been stored. Continue, repeating the same operations for all the other receivers.

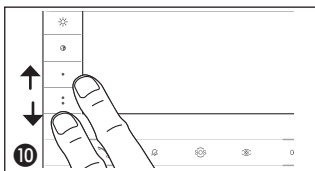


Exiting Programming. Briefly press the PROG key on the power supply **7**: the PROG LED and the LEDs on the entry panels will go out. NOTE. If no action is performed, the procedure will end automatically after 30 minutes.



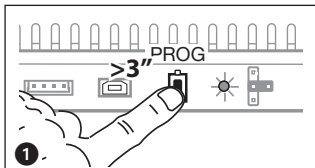
Programming entry panel video cameras. While programming the call keys the "visual range" of the video camera can be adjusted from any receiver (with handset raised, if there is one), by pressing on the "Self-connection" key **8**. From the default settings it is possible to scroll through the following ones **9** by pressing the AUX1 **•** key or to go back to the previous ones with the AUX2 **•** key **10**: the setting is saved automatically.





Entry panel brightness level adjustment. While programming the call keys the entry panel brightness level can be adjusted from any receiver. Pressing the "Self-connection" key  on the receiver causes the video camera of the entry panel for which the brightness level is to be adjusted to be activated. The brightness level can be increased/decreased by using a previously assigned call key, or by simulating a call from DNA.

First Programming with SEVERAL entry panels

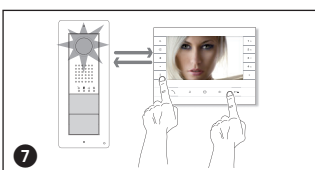
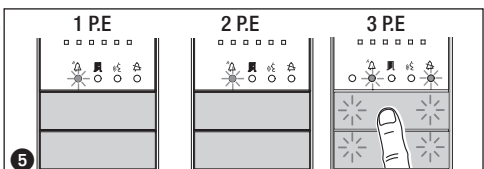
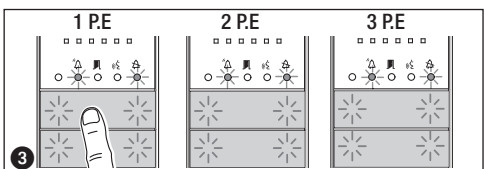
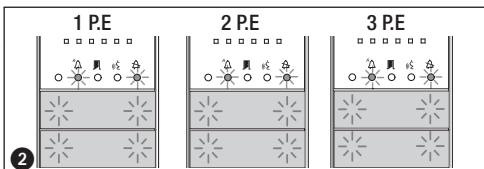


Entering Programming Mode. Press the PROG key on the power supply **1** until the PROG LED lights up. If the PROG LED immediately goes out, this indicates a malfunction in the connections between the power supply and the entry panel. Check the connections and return to programming. The LEDs on the entry panels light up as shown in figure **2**. Wait 5 seconds for the auto test to be completed and continue as shown below.

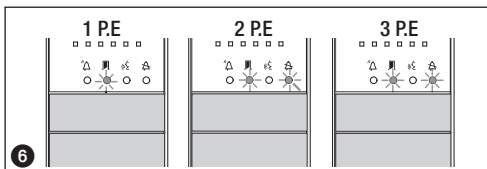
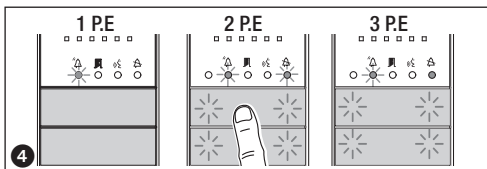
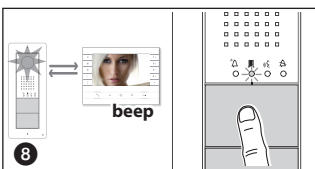
Programming Type of Keys. Press the first key on the entry panel **3** until the  LED

stops flashing along with the backlighting LEDs **4**. Repeat this operation for all the entry panels to be programmed **4** **5**: at the end the signals will have this configuration **6**.

- Should call keys be present ONLY ON ADDITIONAL BUTTON PANELS, proceed as shown in the NOTE on page 6.



Programming the call keys. Press the door release  and AUX2  buttons **7**. On the entry panel, press the call key to be linked to the receiver **8**: a beep will confirm that the setting has been stored. Continue, repeating the same operations for all the other receivers. The operation can be carried out only from the entry panel with the  LED off (PE1 in fig. **6**): to change the entry panel from which to carry out the call programming, press one of the first 4 positions of the call keys for at least 3 seconds (or press key 1 followed by the  key for entry panels with DNA).

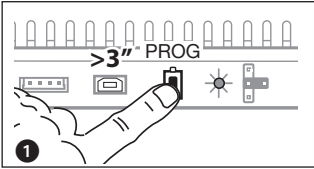


Exiting Programming. Briefly press the PROG key on the power supply: the PROG LEDs and the LEDs on the entry panels will go out. NOTE. If no action is performed, the procedure will end automatically after 30 minutes.

Programming entry panel video cameras. While programming the call keys the "visual range" of the video camera can be adjusted in the way already described.

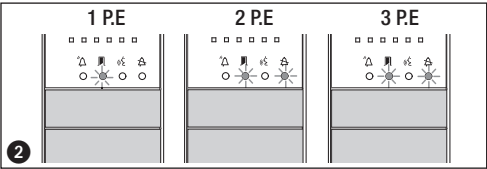
Entry panel brightness level adjustment. While programming the call keys the entry panel brightness level can be adjusted in the way already described.

Reprogramming Procedure

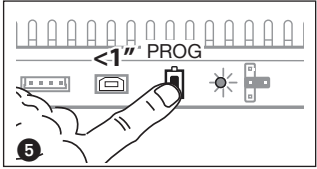
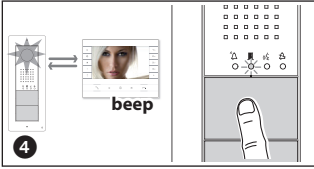
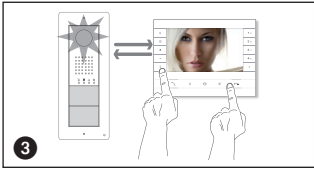


Entering Programming Mode. Press the PROG key on the power supply ❶ until the PROG LED lights up. The LEDs on the entry panels light up as shown in figure ❷. Wait 5 seconds for the auto test to be completed and continue as shown below.

Programming the call keys. Press the door release and AUX2 buttons ❸. On the entry panel, press the call key to be linked to the receiver ❹: a beep will confirm that the setting has been stored. Continue, repeating the same operations for all the other

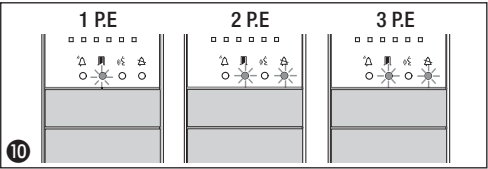
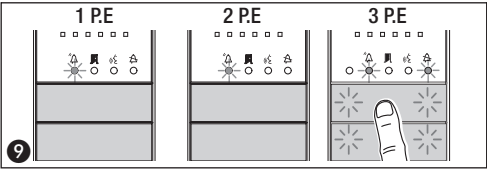
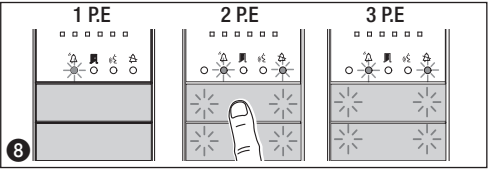
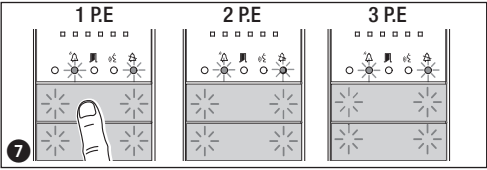
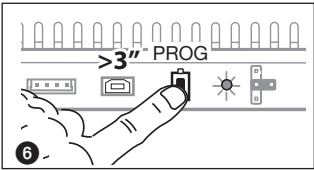


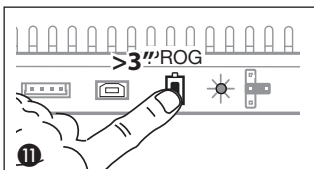
receivers. The operation can be carried out only from the entry panel with the LED off (PE1 ❷): to change the entry panel from which to carry out the call programming, press one of the first 4 positions of the call keys for at least 3 seconds (or press key 1 followed by the key for entry panels with DNA).



Exiting Programming. Briefly press the PROG key on the power supply ❺: the PROG LEDs and the LEDs on the entry panels will go out. If no action is performed, the procedure will end automatically after 30 minutes.

Programming Type of Keys. In "Programming Call Keys" ❻ press and hold down the PROG key of the power supply until you go into the "Programming Type of Keys" procedure ❼. Press one of the first 4 "keys" on the entry panels to be reprogrammed, the LED will stop flashing, as will the backlighting LEDs of the first 4 positions of the call keys ❽. Repeat this operation on all the entry panels to be reprogrammed ❾ and ❿.





If all the entry panels are reprogrammed, the configuration will be as shown in figure 10. To exit reprogramming, briefly press the PROG key on the power supply 11: the PROG LEDs and the LEDs on the entry panels will go out. If no action is performed, the procedure will end automatically after 30 minutes.

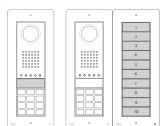
Programming entry panel video cameras. While programming the call keys the "visual range" of the video camera can be adjusted in the way already described.

Entry panel brightness level adjustment. While programming the call keys the entry panel brightness level can be adjusted in the way already described.

Should call keys be present **ONLY ON ADDITIONAL BUTTON PANELS**, proceed as shown in the NOTE on page 6.

WARNING. If an entry panel is added, replaced or moved, the modifications are acquired by going into "Programming Type of Keys" (from figure 6-11).

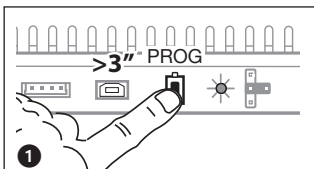
Programming with DNA



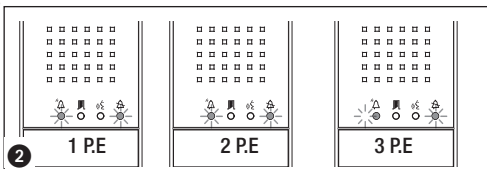
For this type of configuration of Entry panels refer to the procedures already described.



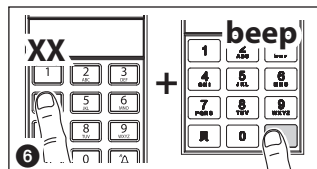
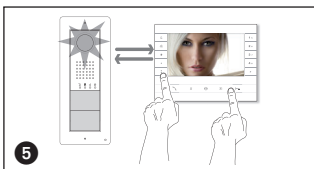
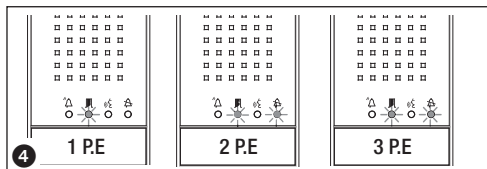
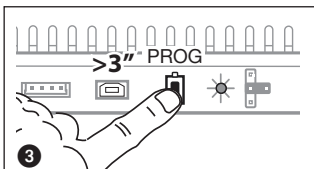
For this type of configuration of Entry panels refer to the procedures described below.

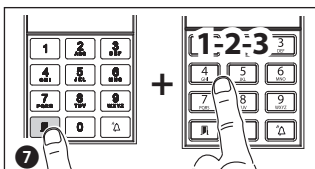


Entering Programming Mode. Press the PROG key on the power supply for more than 3 seconds 1. The LEDs on the entry panels light up as shown in figure 2. If the PROG LED immediately goes out, this indicates a malfunction in the connections between the power supply and the entry panel. Check the connections and return to programming. Repeat the operation 3 a second time. Check that the configuration on the Entry panels is as shown in figure 4. Wait 5 seconds for the auto test to be completed and continue as shown below.

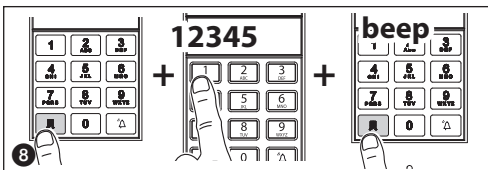


Programming the call codes. Press the door release and AUX2 buttons 5. Enter the call code for the group (from 1 to 99), followed by the key 6 to link the call code to the receiver. Continue, repeating the same operations for all the other receivers. The operation can only be carried out from the entry panel with the LED off (PE1 4): to change the entry panel from which to carry out the programming of calls, press key 1 followed by the key.





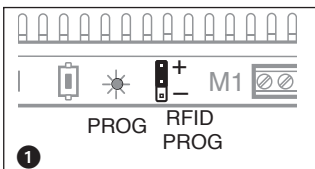
Programming the door release code and relay with DNA. Press and key in the relay code you wish to programme (press key 1 to activate the door opening control in the entry panel; press key 2 to activate relay 1 on the VLS/2 relay module; press key 3 to activate relay 2 on the VLS/2 relay module) . Press once again and key in the desired code (from 3 to 5 figures).



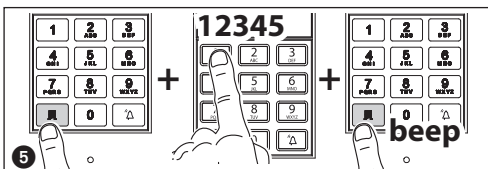
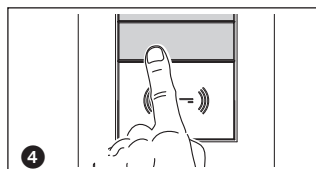
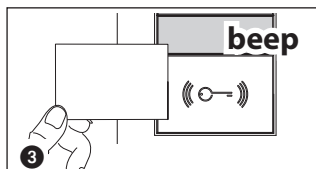
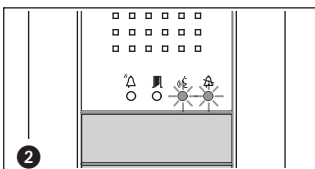
Once programming has been completed, by pressing the key plus the desired code and , it is possible to activate the door opening control and relay 1 or 2.

Exiting Programming. Briefly press the PROG key on the power supply: the PROG LEDs and the LEDs on the entry panels will go out. NOTE. If no action is performed, the procedure will end automatically after 30 minutes.

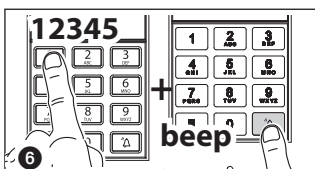
Entering Codes and Tags



Position the power supply's PROG RFID jumper at "+" : the power supply's PROG LED will flash slowly along with the message LEDs with the configuration in fig. . If the LEDs immediately go out it means there is a malfunction in the connections between the power supply and entry panel. Check the connections and return to programming.

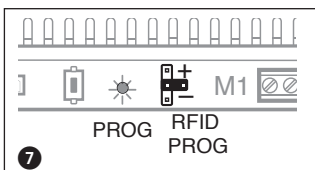


Badge. Bring a badge/tag up to the reader of any entry panel that has already been addressed and, after the confirmation beep, press the key (group) to which the code should be assigned . If the maximum permitted number is exceeded (5) for each group, an error tone will be generated.

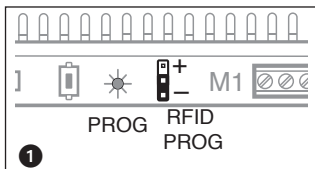


Codes. Press , enter the access code (4-8 figures) followed by the key on the keypad of any already addressed entry panel reader and, after the confirmation beep, enter the call code for the group and then press (or press the group key). If the maximum permitted number is exceeded (5) for each group, an error tone will be generated.

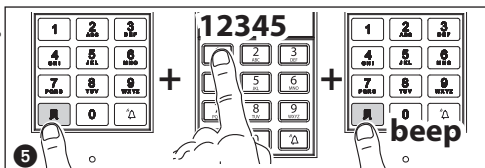
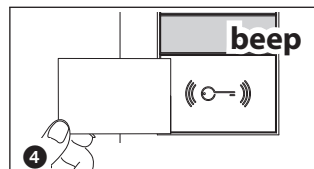
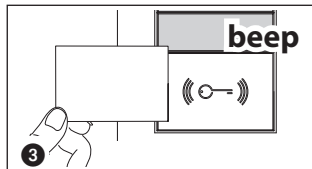
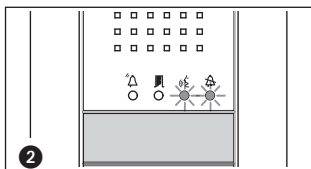
Finally, reposition the PROG RFID jumper in the rest position : the procedure is NOT terminated automatically!



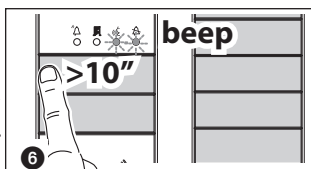
Deleting Codes and Tags



Position the power supply's PROG RFID jumper at "—" ❶: the power supply's PROG LED will flash slowly, along with the message LEDs with the configuration in fig. ❷. If the LEDs immediately go out it means there is a malfunction in the connections between the power supply and the entry panel. Check the connections and return to programming.

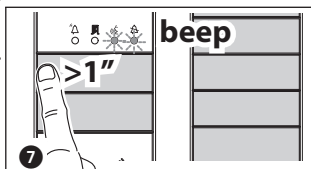


Badge. Bring a badge/tag up to the reader of any entry panel that has already been addressed ❸ and, after the confirmation beep, repeat this once again to confirm ❹: ALL the badges relating to the GROUP will be deleted.



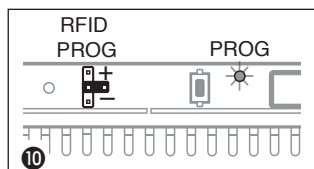
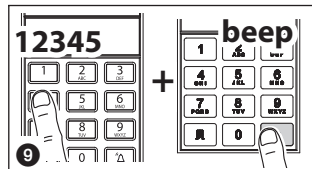
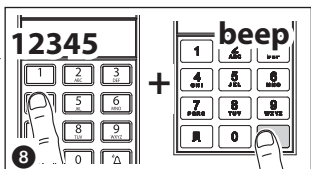
Codes. Press , enter the access code (4-8 figures) followed by the  key on the keypad of any entry panel that has already been addressed ❺ and, after the confirmation beep, repeat this once again to confirm: ALL the codes relating to the GROUP will be deleted.

Badges and Codes. Entry panels with buttons: hold down for at least 10 seconds the call key ❻ relating to the GROUP for which the codes are to be deleted and, after the beep, press the key again (briefly) ❼. In this way ALL the GROUP's codes and badges of any type will be deleted.



Entry panels with DNA. Enter the call code followed by the  ❸ key related to the GROUP for which the codes are to be deleted and, after the beep, enter the call code again followed by the  key ❹. In this way ALL the GROUP's codes of any type will be deleted.

Finally, reposition the PROG RFID jumper in the rest position ❿: the procedure is NOT terminated automatically!



AUTOMATIC DOOR RELEASE function

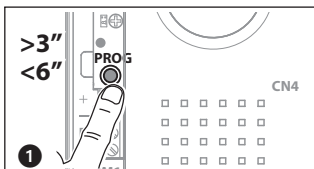
For internal receivers that support the AUTOMATIC DOOR RELEASE function only.

This function is used to open the entrance automatically when there is a call from the entry panel. No communication is activated and the call ends automatically.

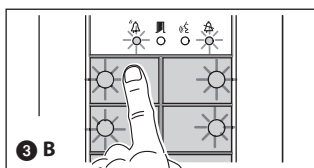
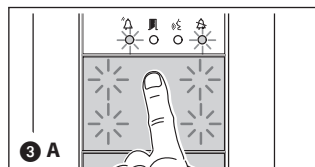
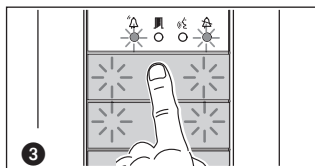
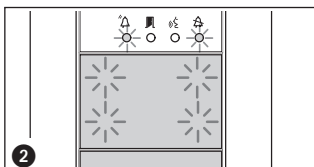
 Follow the instructions in the internal receiver manual.

PROGRAMMING ENTRY PANELS WITH VAS/100.30 or VAS/101

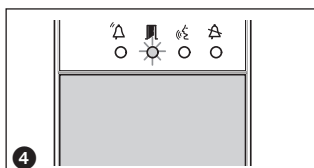
First Programming



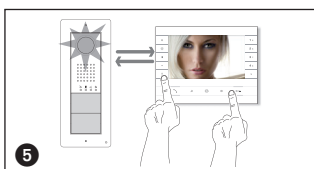
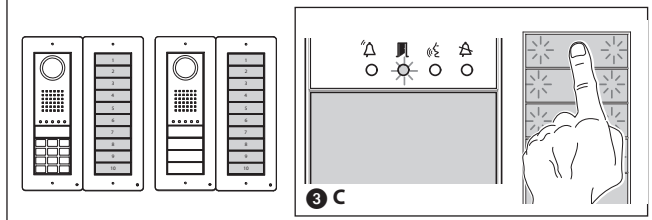
Entering Programming Mode. Press the PROG key **1** for at least 3 seconds and release within 6 seconds. If the PROG LED immediately goes out it means there is a malfunction. Check the connections and return to programming. The LEDs on the entry panels light up as shown in figure **2**. Wait 5 seconds for the auto test to be completed and continue as shown below.



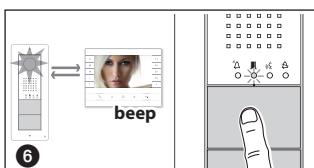
Programming Type of Keys. Press the first key on the entry panel **3/3A/3B** until the LED stops flashing along with the backlighting LEDs **4**.



i Should call keys be present **ONLY ON ADDITIONAL BUTTON PANELS**, the operation shown in figure **3** is carried out on these as shown in figure **3C**.

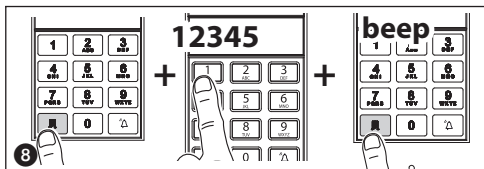
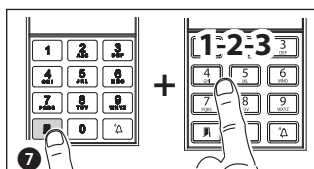


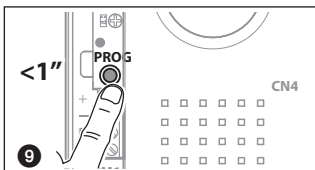
Programming the call keys. Press the door release and AUX2 buttons **5**. On the entry panel, press the call key to be linked to the receiver **6**: a beep will confirm that the setting has been stored. Continue, repeating the same operations for all the other receivers.



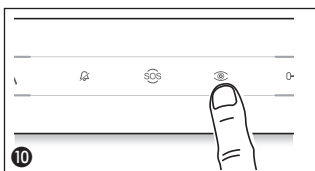
Programming the door release code and relay with DNA. Press and key in the relay code you wish to programme (press key 1 to activate the door opening control in the entry panel; press key 2 to activate relay 1 on the VLS/2 relay module; press key 3 to activate relay 2 on the VLS/2 relay module) **7**. Press once again and key in the desired code (from 3 to 5 figures). Once programming has been completed, by pressing the key plus the desired code and it is possible to activate the door opening control and relay 1 or 2 **8**.

Exiting Programming. Briefly press the PROG key **9**: the PROG LEDs and entry panel LEDs will go out. NOTE. If no action is performed, the procedure will end automatically after 30 minutes.

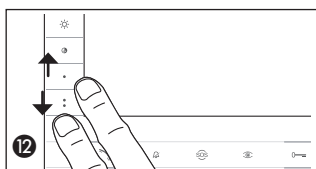
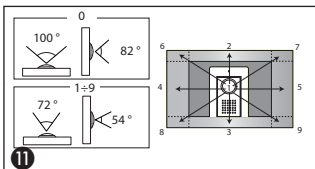




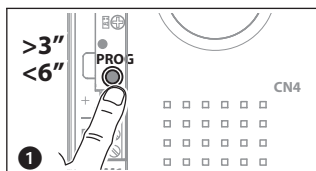
Programming entry panel video cameras. While programming the call keys the “visual range” of the video camera can be adjusted from any receiver (with handset raised, if there is one), by pressing the “Self-connection”  key **8**. From the default settings it is possible to scroll through the following ones **11** by pressing the AUX1  key, or to go back to the previous ones with the AUX2  key **12**: the setting is saved automatically.



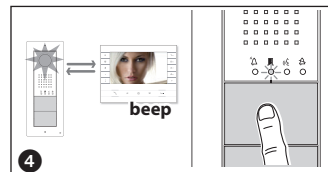
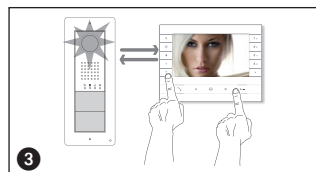
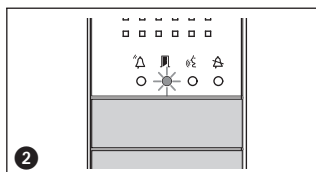
Entry panel brightness level adjustment. While programming the call keys the entry panel brightness level can be adjusted from any receiver. Pressing the “Self-connection”  key on the receiver activates the video camera of the entry panel for which the brightness level is to be adjusted. The brightness level can be increased/decreased by using a previously assigned call key, or by simulating a call from DNA.



Reprogramming Procedure

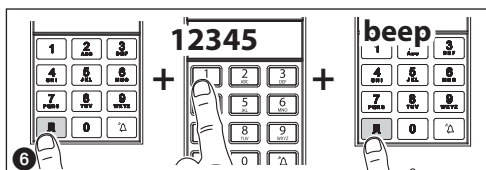
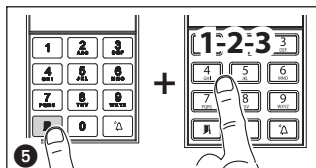


Entering Programming Mode. Press the PROG key ❶ for at least 3 seconds and release within 6 seconds. If the PROG LED immediately goes out it means there is a malfunction. Check the connections and return to programming. The LEDs on the entry panels light up as shown in figure ❷. Wait 5 seconds for the auto test to be completed and continue as shown below.

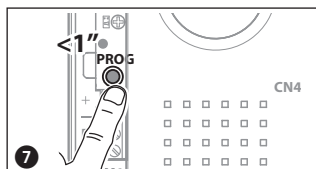


Programming the call keys. Press the door release  and AUX2  buttons ❸. On the entry panel, press the call key to be linked to the receiver ❹: a beep will confirm that the setting has been stored. Continue, repeating the same operations for all the other receivers.

Programming the door release code and relay with DNA. Press  and key in the relay code you wish to programme (press key 1 to activate the door opening control in the entry panel; press key 2 to activate relay 1 on the VLS/2 relay module; press key 3

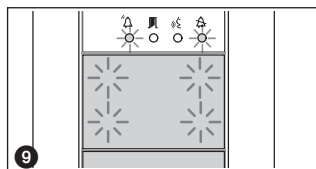
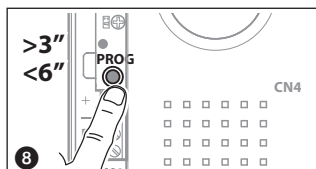


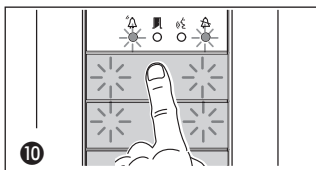
to activate relay 2 on the VLS/2 relay module) ❺. Press  once again and key in the desired code (from 3 to 5 figures). Once programming has been completed, by pressing the  key plus the desired code and  it is possible to activate the door opening control and relay 1 or 2 ❻.



Exiting Programming. Briefly press the PROG key ❷: the PROG LEDs and entry panel LEDs will go out. If no action is performed, the procedure will end automatically after 30 minutes.

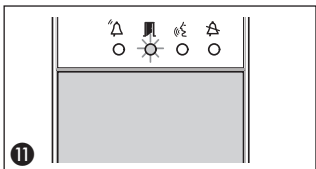
Programming Type of Keys. In "Programming Call Keys" ❷ press the PROG key ❸ and release it within 6 seconds to go into the "Programming Type of Keys" procedure ❹.





Press one of the first 4 "keys" on the first entry panel, the  LED will stop flashing, as will the backlighting LEDs of the first 4 positions of the call keys  10. The messages will take on the configuration in  11. Finally, to exit programming, briefly press the PROG key  11: the PROG LEDs and the LEDs on the entry panels will go out. If no action is performed, the procedure will end automatically after 30 minutes.

Programming entry panel video cameras. While programming the call keys the "visual range" of the video camera can be adjusted in the way already described.



Entry panel brightness level adjustment. While programming the call keys the entry panel brightness level can be adjusted in the way already described.

Should call keys be present ONLY ON ADDITIONAL BUTTON PANELS, proceed as shown in the NOTE on page 12.

AUTOMATIC DOOR RELEASE function

For internal receivers that support the AUTOMATIC DOOR RELEASE function only.

This function is used to open the entrance automatically when there is a call from the entry panel. No communication is activated and the call ends automatically.

 Follow the instructions in the internal receiver manual.

The product complies with the relevant directives in force.

Decommissioning and disposal. Dispose of the packaging and the device responsibly at the end of its life cycle, in compliance with the laws in force in the country where the product is used. The recyclable components are marked with a symbol and the material's ID marker.

THE DATA AND INFORMATION SHOWN IN THIS MANUAL ARE TO BE CONSIDERED AS SUBJECT TO CHANGE AT ANY TIME AND WITHOUT THE NEED FOR ANY ADVANCE WARNING. MEASUREMENTS, UNLESS OTHERWISE INDICATED, ARE IN MILLIMETRES.



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