Vandal-resistant entrance panel

308040

User and installation manual

Vandal-resistant entrance panel

User and installation manual

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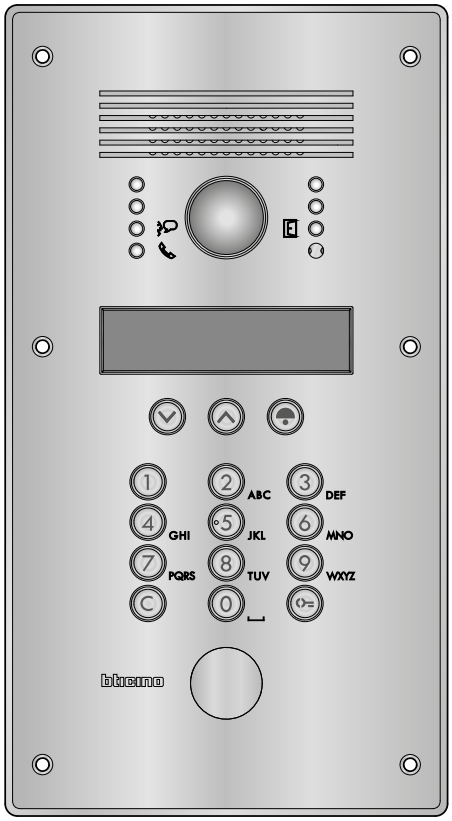
Introduction

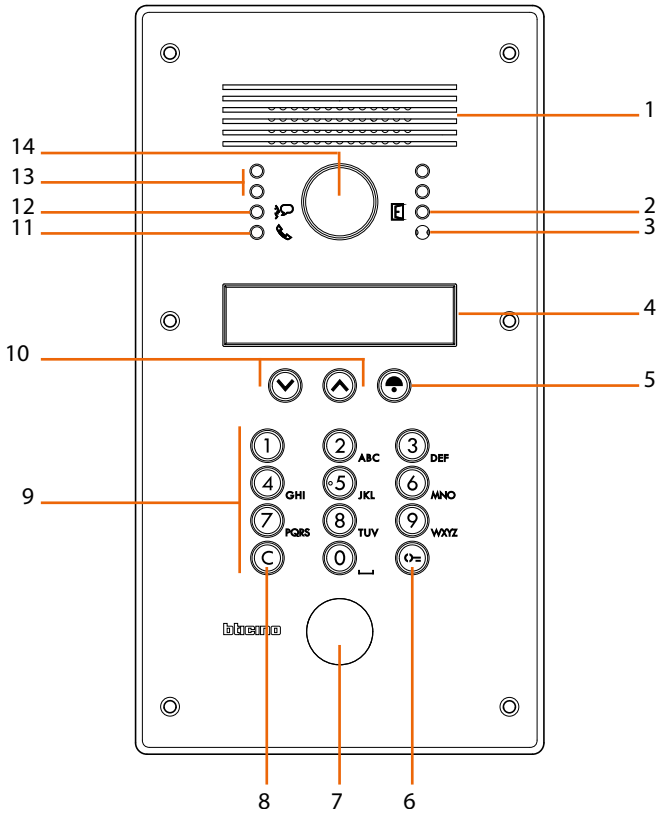
Warnings and recommendations

Before proceeding with the installation we recommend that you read the content of this manual very carefully.
The warranty will automatically become void in case of negligence, improper use, or tampering by unauthorised personnel.



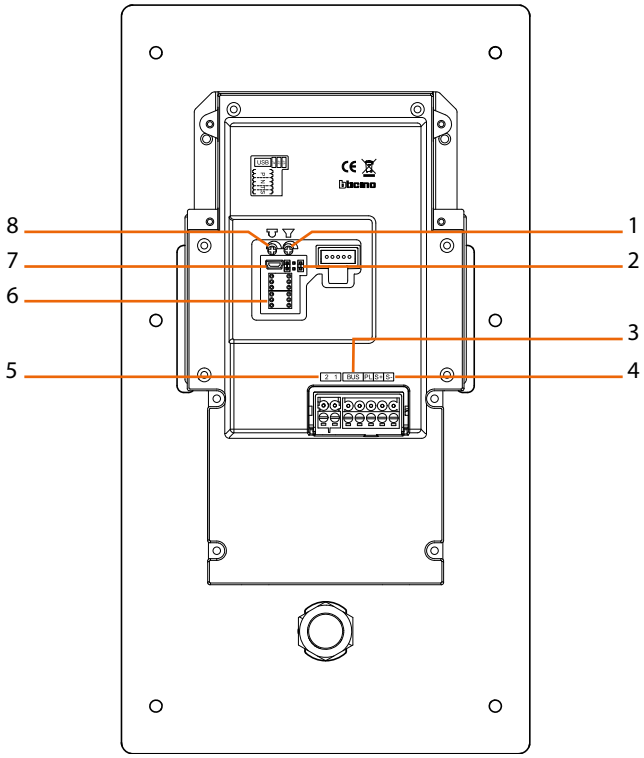
Description

Front view



1. Loudspeaker
2. Green LED: door open notification
3. Microphone
4. Display
5. Key used to send the call to the selected resident, or to the switchboard
6. Door lock release key
7. Preset for VIGIK® reader, or key lock release
8. Delete key
9. Alphanumeric keypad
10. Resident search keys
11. Green LED: call forwarded
    Red LED: system busy
12. Green LED: communication active
13. 4 x lighting LED
14. Camera

Back view

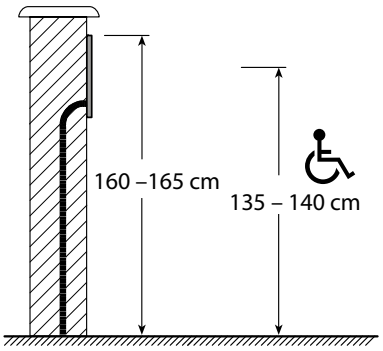


1. Loudspeaker volume adjustment
2. Jumpers (see table in the Programming section).
3. SCS/BUS connection
4. Connection of the door lock and door lock release pushbutton
5. Additional power supply
6. Configurator socket
7. MiniUSB connector for the connection to the PC
8. Microphone volume adjustment

Installation

General rules for installation

The camera must not be installed facing strong light sources, or in locations where the area being shot is strongly backlit. In order to resolve these problems, we recommend that the camera is installed at a height of 180 cm, instead of the usual 160 – 165 cm, with the lens pointing down. This will improve image quality.
In low light situations, the colour rendition of the image displayed by the colour camera may decrease. This is to ensure that the person being displayed can be better recognised. To ensure optimum vision in low lit rooms, the installation of an additional light source is recommended.



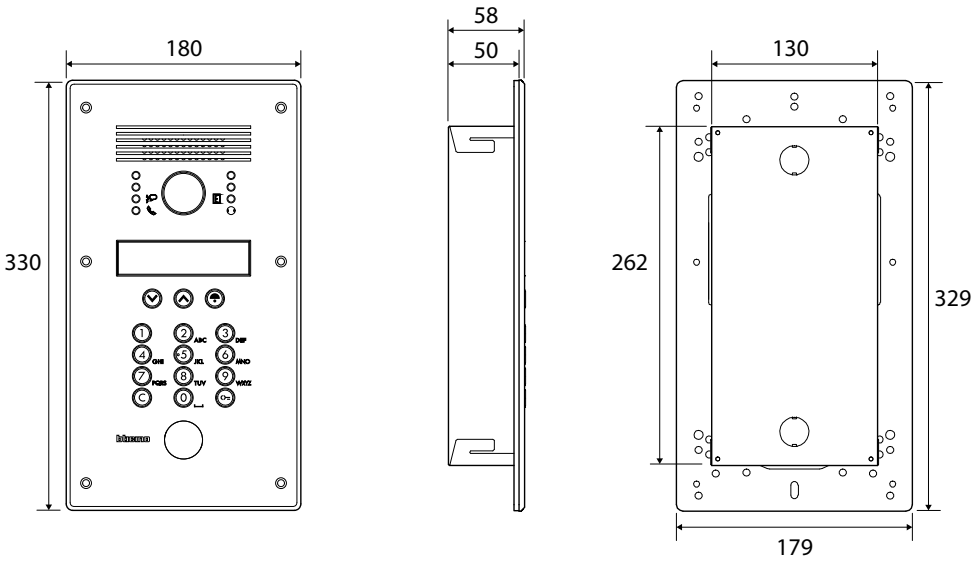
Typical installation heights

Technical features

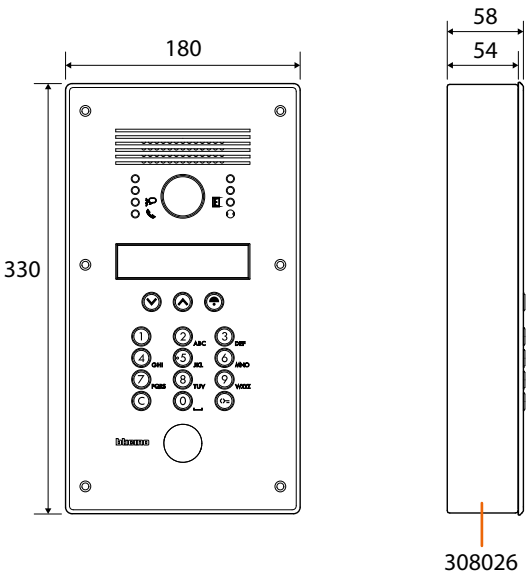
- 1/4" sensor
- lens F: 2,1 mm; f: 1,0 mm
- Power supply 18 – 27 Vdc
- Absorption:
  105 mA (stand-by)
  340 mA (max in operation)
- Interlaced 2:1
- 400 lines resolution(horizontal centered)
- Night lighting by the white LEDs
- Automatic brightness adjustment
- Operating temperature (-25) – (+70) °C
- Angle of vision:
  horizontal 124°
  vertical 100°
- Protection index: IP54
- Protection index against mechanical impact: IK07

Dimensional data

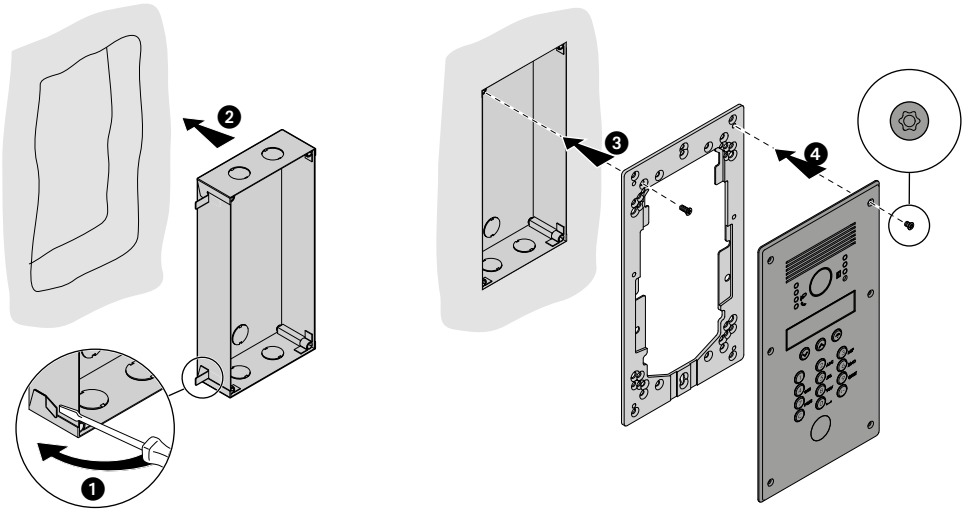
Flush mounted installation



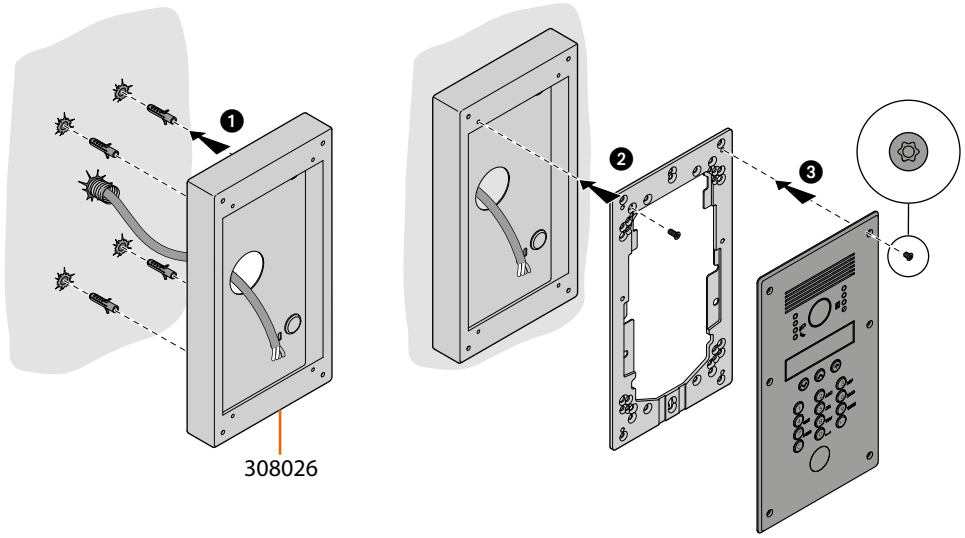
Wall mounted installation



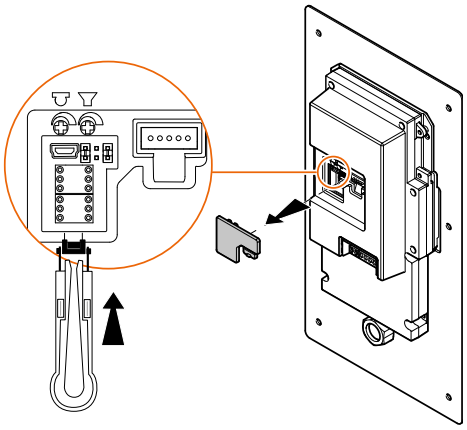
Flush mounted installation



Wall mounted installation



Phisical configuration

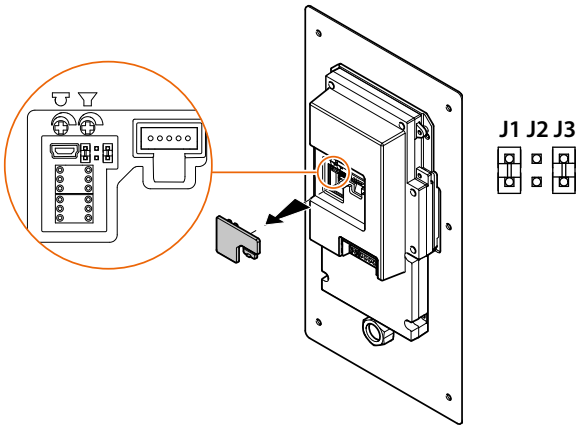


P = Entrance panel number

N = Call number (Not used)

T = Door lock time delay

S = Type of call signal

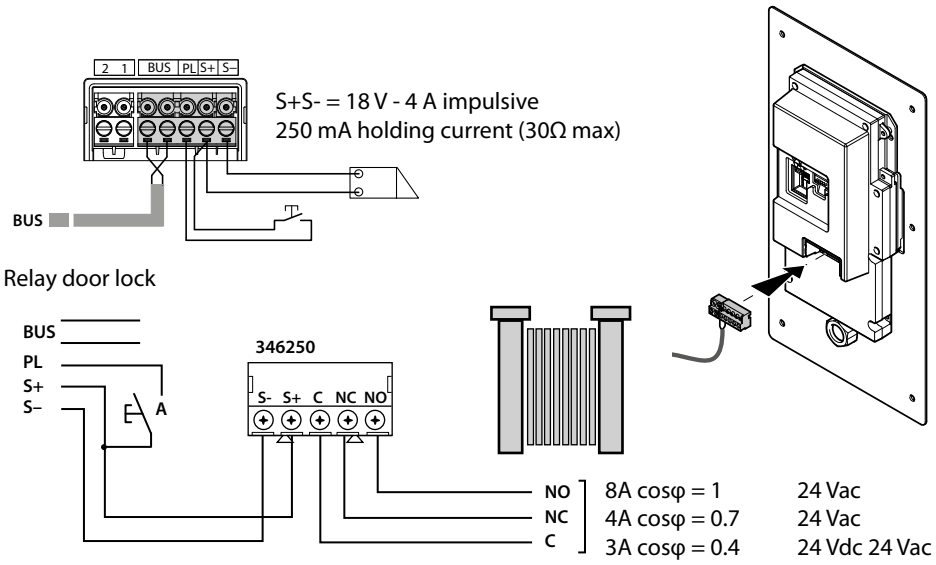


J1 - Jumper connected to J1 (default) = control speech synthesis enabled; sound notification disabled

J2 - Jumper connected to J2 = control speech synthesis disabled; sound notification enabled

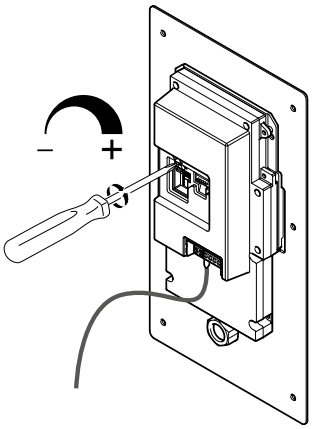
J3 - Remove in case of additional power supply

Connections



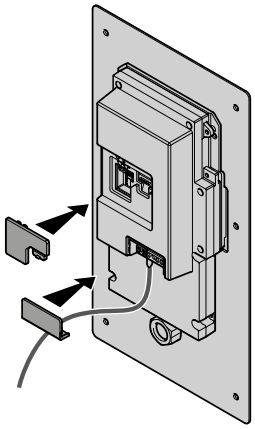
Volume adjustment

In case of high pitch noise (Larsen effect), first try reducing the power of the microphone using a screwdriver on the corresponding potentiometer, until an acceptable level is reached.
If the problem continues, adjust the potentiometer of the loudspeaker to eliminate the problem.
If the volume is too low, increase first the volume of the loudspeaker and then if necessary also the volume of the microphone, remembering that the best solution is a clear transmission, without disturbance, at the limit just below the occurring of the Larsen effect.



Completing the installation

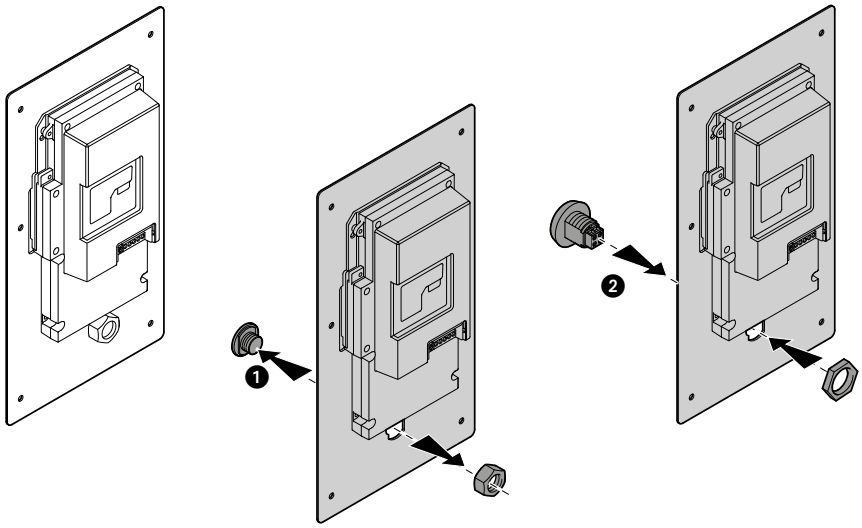
***Warning**: before securing the entrance panel to the wall fit the protection caps in their housings, ensuring that they are positioned correctly*



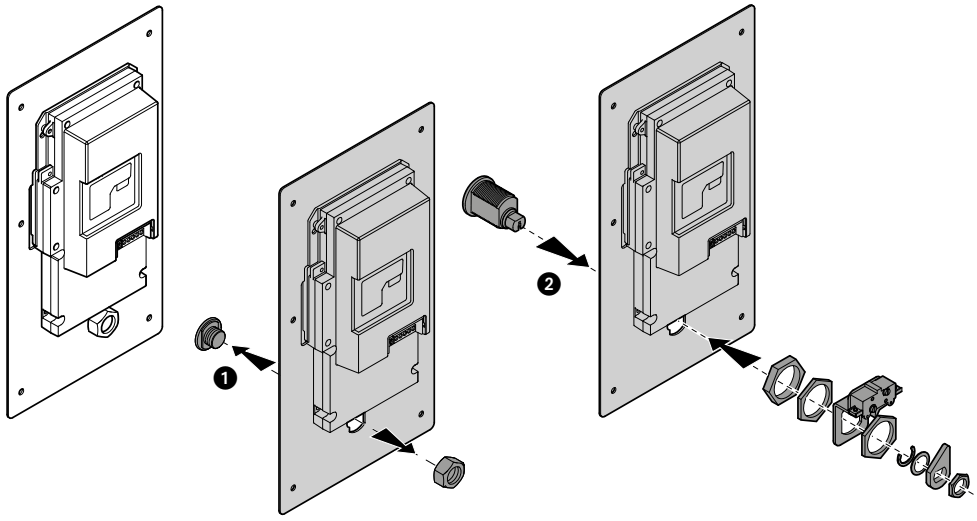
***Warning**: when switched on for the first time, the entrance panel will ask the user to select the linguage; once this has been done, it will be possible to access the menus*

Installing the accessories

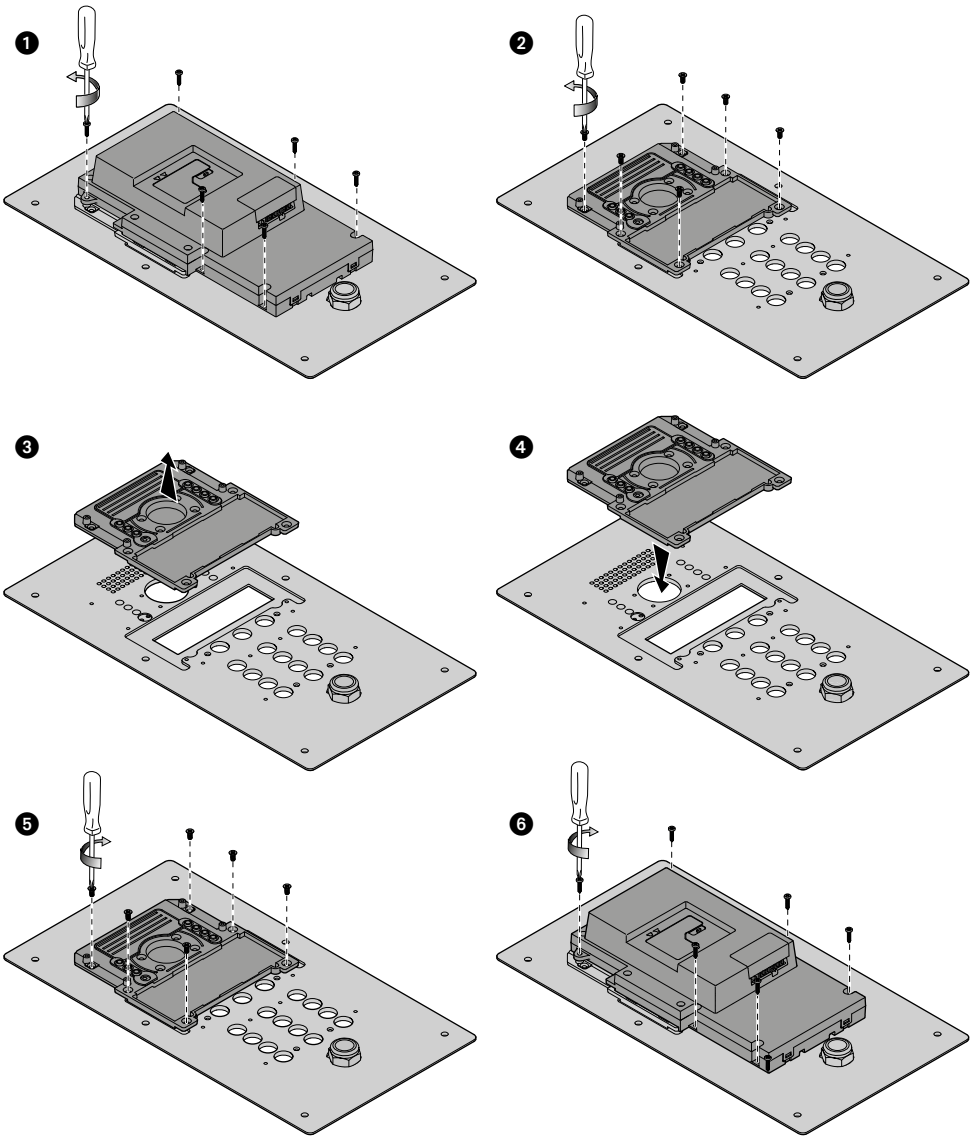
VIGIK® transponder reader



CCT75NM key switch



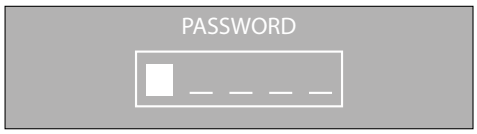
Camera lens and display glass replacement



Configuration using the keypad

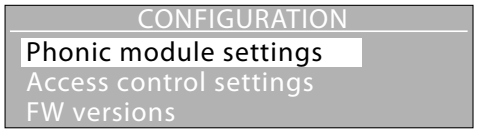
Access to the configuration menu

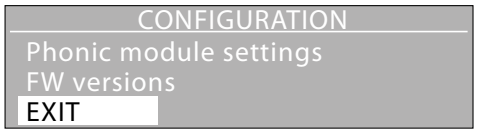
Press and hold down simultaneously keys ∨∧ for more than 10 seconds



Enter the access code (default 12345)

If the correct code has been entered, direct access to the configuration menu will be granted





To exit the configuration menu select EXIT and press

Warning: *For all the other menus outlined below: to return to the previous menu click EXIT followed by , or simply*

Language

Press

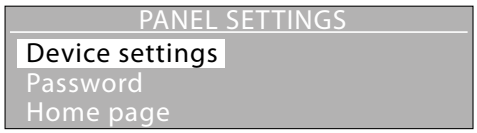
Select the desired language

Confirm

The set language will be marked by an asterisk

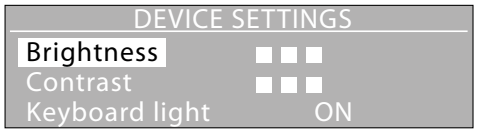
Panel settings

Select the menu



Confirm

Device settings



The DEVICE SETTINGS submenu can be used to set the following functions:
Brightness: display brightness adjustment
Contrast: contrast adjustment
Keyboard light setting:

- ON = keyboard always on (default setting)
- ECO = the keyboard light comes on when in use
- OFF = the keyboard light is always off

Password setup

To change the access password:
Press

Enter the new password

6 7 8 9 0

Confirm

Home page

The home page can be used to enter a customised welcome message, or any other message; the message can use a maximum of three rows of text of 15 characters (Template); to switch from upper case to lower case and vice versa use the arrow keys. The length of time the message is displayed on the screen (5, 10, or 15 sec.) (Timeout).

Entering the text

Press

Select the row where to enter the new text, or change the existing text and confirm

Press to select the text field

Enter the text using the alphanumeric keypad, in the same way as you would write an SMS message on your mobile phone

Confirm

The new message will appear continuously on the home page for the period set a Timeout

Acoustic signalling

The ACOUSTIC SIGNALLING submenu can be used to enable/disable the following functions:

Key sound Audible signal emitted when the keys are pressed

Lock code change beep Audible signal emitted when the door lock code is being changed

- ON= short BEEP if the code entered is correct
  long BEEP if the code is incorrect
- OFF= Audible signal disabled

Voice msgs: volume Volume adjustment for voice messages broadcasted by the device

The other menu items represent voice messages relating to events (e.g. "Call in progress", "End of call", etc.).
They may be enabled/disabled individually with the following procedure.

Select an item from the menu

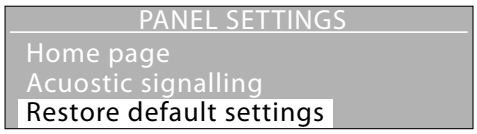
Press

Set as required

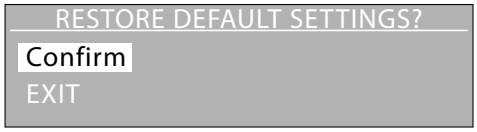
Confirm

Voice messages are only active when jumper J1 is connected (see Physical configuration).

Restore default settings

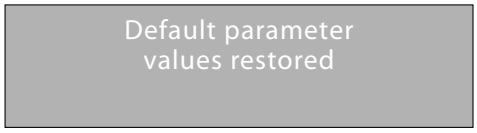


Select the function



The request to confirm the restore appears

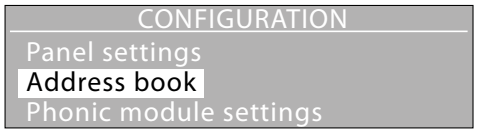
Press



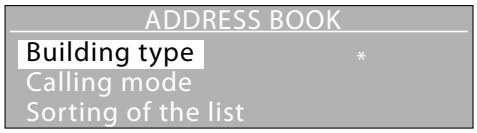
The settings of the entrance panel revert to the factory settings.
This function does not delete the data contained in the residents address book.

Address book

This menu can be used to enter residents' data, including call codes and door lock release codes, as well as for performing any other functions described in the following paragraphs.



Building type

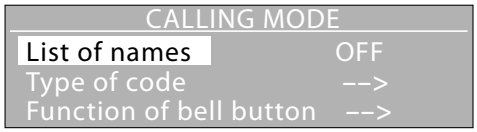


Press

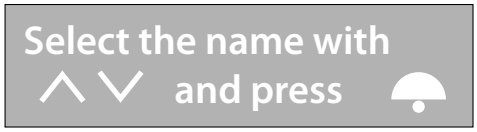
For systems with several apartments use Multifamily mode (default).
In Single Family mode, the call is activated directly by pressing ,without the need for selecting the extension.

Press

Calling mode - List of names

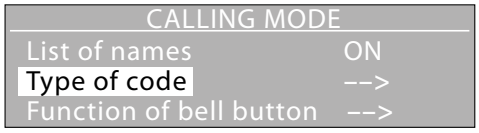


This setting determines how the names of the residents are displayed; if enabled, the display will show the following message:



To search the desired name use the indicated key, or enter the surname using the alphanumeric keypad.

Calling mode - Type of code

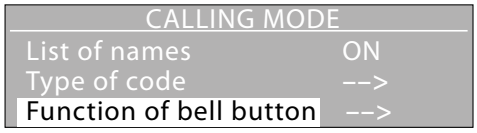


Enter the type of code to use when calling the residents

Apartment address SCS address of the handset

Call code Numerical code assigned to the resident

Calling mode - Function of bell button

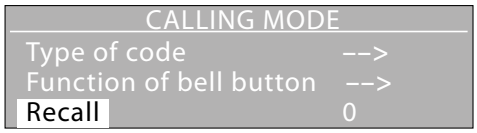


The key can be enabled for direct call to the switchboard.
In multifamily: enable/disable the bell button for calling the switchboard.
In single family: set the address which will be called by the bell button (i.e. the address of the internal units, usually set to 0).

Display in "Switchboard" mode

Display in "Single Family" mode

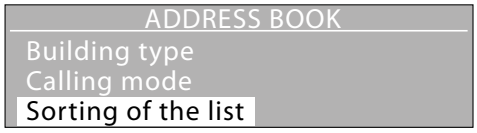
Calling mode - Recall



When this function is enabled, the entrance panel will automatically repeat.

0= no recal
1= 1 recall after 10 sec
2= 2 recalls every 10 sec
3= 3 recalls every 10 sec

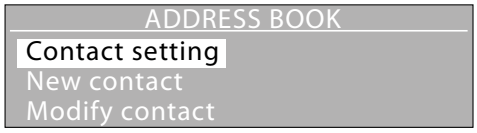
Sorting of the list



The names can be sorted alphabetically by surname or by identification code number.

The sorting order set is marked by an asterisk.

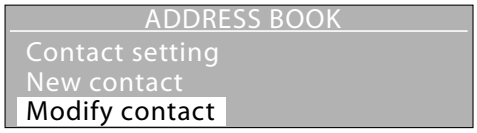
Contact setting



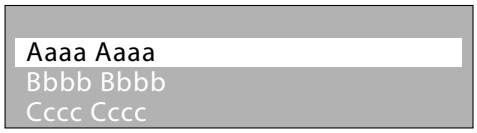
The call codes and the door lock release codes can be set with a length of 1 to 8 digits for the Call code and 4 to 9 digits for the Lock code.

Call code digits
Length of the codes for calling residents (default 4 digits)
Lock code digits
Length of the door lock release codes (default 9 digits)

Modifiy contact



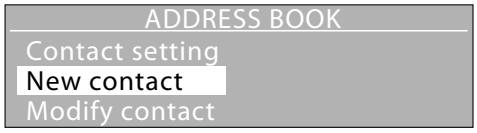
This function gives the possibility of changing the contact selected



Select the contact to change

Confirm

New contact



This function can be used to enter new residents in the address book

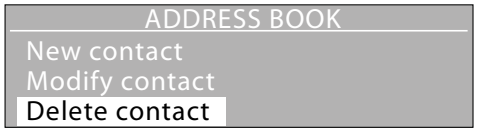
For each resident it will be possible to set the following data:

- **ID number** (use if the desired order of the list is different from the alphabetical order) Identification number; the entrance panel assigns a progressive number to each resident. This function gives the possibility of chan ging this ID with a 4 digits number defined by the installer.
- **Surname (Text 1*)** Surname of resident
  Name (Text 2*) Name of the resident
- **Public**
  YES= The name and the surname of the resident appear on the display during the selection for call
  NO= The name and the surname of the resident are hidden, the call is possible by entering the "Call code".
- **Apartment address** Enter the handset SCS address
- **Call code** Numerical call code
- **Lock code** Door lock release numerical code

(*) If "Sorting of the list" is set to "By ID number".

***Warning**: in installations including an access control central unit, when a badge is placed near the central unit the contact "Surname", "Name" and "Apart address" are automatically added to the address book.*

Delete contact



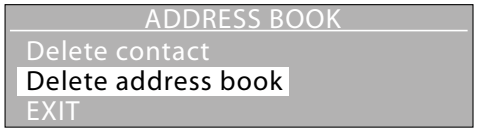
This function gives the possibility of deleting the contact selected

Select the contact to change

Press

The request to confirm the elimination of the contact appears

Delete address book



This function gives the possibility of deleting all the contacts of the entrance panel address book

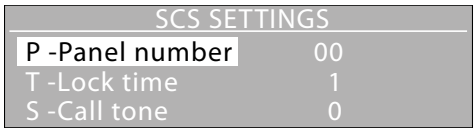
Press

The request to confirm the action appears: to permanently delete the address book

Press

Phonic module settings

The configurations of this menu are only possible if the phonic (speaker) module is not configured physically



P - Panel number	Entrance panel SCS address (0 – 95)
T - Lock time	Door lock time delay (0– 7)
S - Call tone	Type of call signal (0 – 9)
P - Associated switchboard	The SCS address of the associated riser switchboard (none, 0 to 15)
P - Main switchboard	The SCS address of the main control unit (none, 0 to 15)
Riser (M)	Riser address the EP is part of (M address of interface 346851 of the riser; set to "None" if the EP is installed on the backbone) Note: do not confuse this configurator with the other M referred to the operating mode

ACWeb access control setting

The configurations of this menu are only possible if the phonic (speaker) module is not configured physically

ACCESS CONTROL SETTINGS	
Central address (A/B)	00
Reader address (C)	1
Operating mode (M)	0

Central address (A/B)	Address of the access control central unit that manages the reader (keypad built in the entrance panel, (keypad built in the entrance panel; the A/B address corresponds to the address of the C0/C1 control unit)
Reader address (C)	Reader address (keypad built in the entrance panel) in the ACC system.
Operating mode (M)	M=0 - The address book, the calling code and the door lock codes are managed by the entrance panel and can be modified locally from the menu or from the configuration software. M=2 - The address book, the calling code and the door lock codes are managed by the access control system and must not be modified locally. **Note**: do not confuse this configurator with the other M referred to the address of the riser column.

Hexact access control setting

The configurations of this menu are only possible if the phonic (speaker) module is not configured physically

ACCESS CONTROL SETTINGS	
Central address (A/B)	00
Reader address (C)	1
Operating mode (M)	0

Central address (A/B)	Address of the 348500 interface associated to the entrance panel
Reader address (C)	Always select 1 by default
Operating mode (M)	M=2 - The address book, the calling code and the door lock codes are managed by the access control system and must not be modified locally. **Note**: do not confuse this configurator with the other M referred to the address of the riser column.

Without access control

The configurations of this menu are only possible if the phonic (speaker) module is not configured physically

ACCESS CONTROL SETTINGS	
Central address (A/B)	00
Reader address (C)	1
Operating mode (M)	0

Central address (A/B)	Not used
Reader address (C)	Not used
Operating mode (M)	M=0 - The address book, the calling code and the door lock codes are managed by the entrance panel and can be modified locally from the menu or from the configuration software.

Menu management

Full
The settings and the address book can be almost fully modified, with the following exceptions:

- If the address book is not empty, the call code digits and the lock code digits cannot be changed.
- If M = 2, lock codes cannot be changed

Limited (can be set only with TiMonoblockEntrancePanel):
a) The following options can be only remotely changed by the access control central:

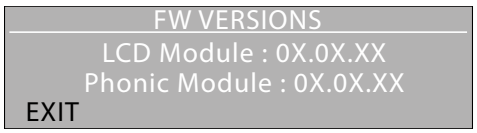
- Password
- Language
- Number of call code digits
- Number of lock code digits
- Riser base address

b) The following menu options are not allowed in the installer menu because the acccess control central takes care of the address boook:

- New contact
- Modify contact
- Delete contact
- Delete address book

FW versions

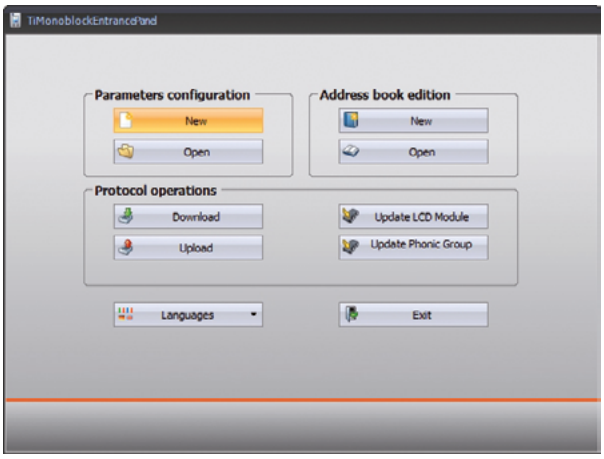
This menu shows the versions of the firmware installed on the device.



Configuration using the software

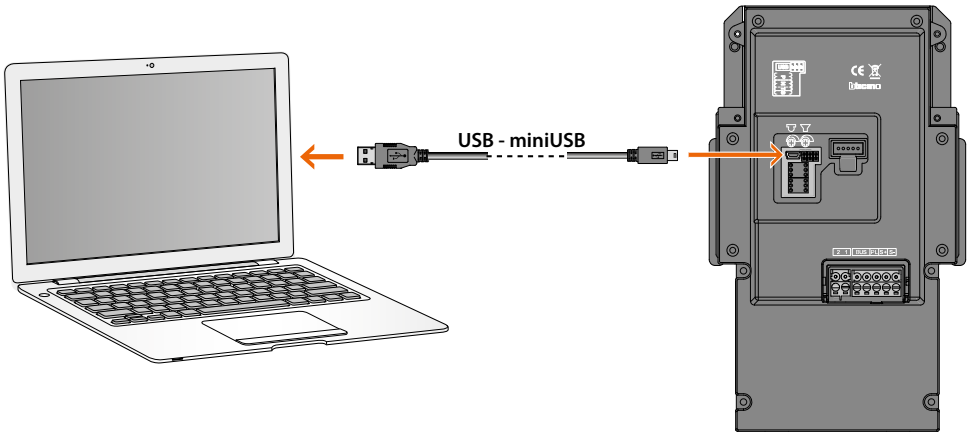
TiMonoblockEntrancePanel configuration software

The TiMonoblockEntrancePanel software supplied with the device gives the possibility of configuring the entrance panel for use with video door entry systems only; In this case it will be possible to manage also the residents address book using the software.
In order to use the entrance panel in systems with access control, the configuration must be completed using the device menu, while the residents address book will be managed by access control.



Connection to the PC

To connect the entrance panel to the PC use an USB-mini USB cable

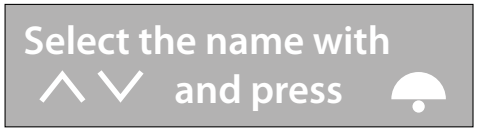


Using the entrance panel

Calling residents

Residents may be called in three different ways:

Searching using the arrow keys

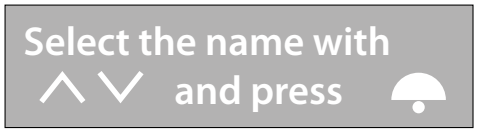


Press one of the arrow keys to access the address book

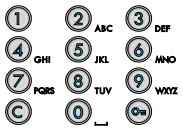
Use the arrow keys to scroll through the names until the name of the desired resident appears; for fast scrolling press and hold the key

Press to send the call

Through surname search



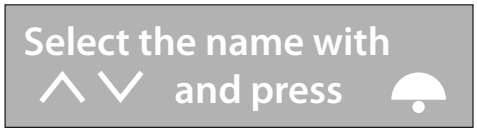
Press one of the arrow keys to acc ess the address book



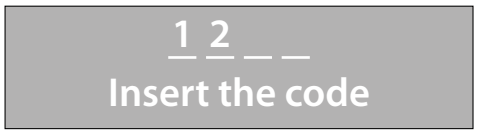
Use the keypad in the same way as a mobile phone keypad to enter the surname, or even just the initial, of the contact to call

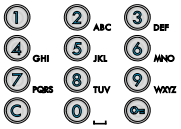
Press to send the call

Using the numerical code

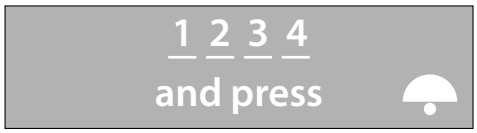


If the resident's call code is known, simply enter it on the keypad



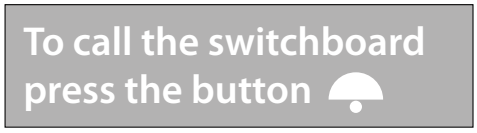


Enter the resident's code



Press to send the call

Call to the switchboard (only in multifamily configuration)



To call the switchboard directly press this key

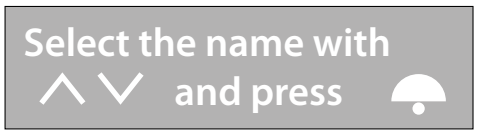
The switchboard called is the one configured in "Phonic module settings –Switchboard"

Call the only resident (Only in single family configuration)

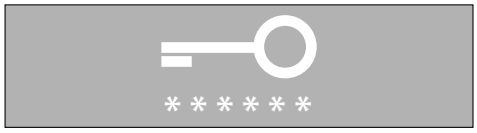
To call the only resident press this key

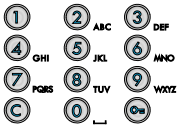
Door lock release using a numerical code

The procedure to follow for releasing the door lock associated to the entrance panel using the lock code changes depending on the length of the codes assigned to the residents, which can be up to the maximum length set.



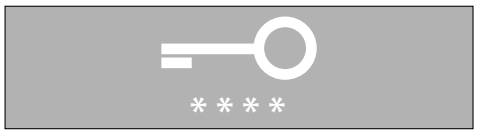
Press the key





Enter your own Lock code

If the length of the code is the same as the maximum length set the door lock is released

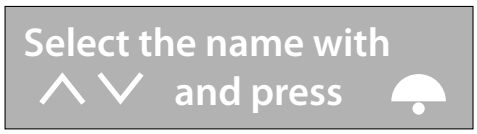


If the code is shorter than the maximum length set
Press the key

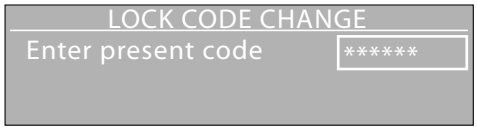
To recover the installer code. Use a PC with Timonoblock software (and a USB / Mini USB cable) and contact the Pro Relations Department on 0810 48 48 48. Our teams will explain how to recover the installer code. It is necessary to open the plate, prepare the special tool.

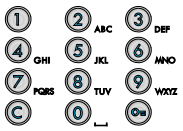
Changing the lock code

Each resident can change their lock code at any time using the following procedure.
This procedure is not valid if the entrance panel is part of an access control system, and the operating mode is M= 2



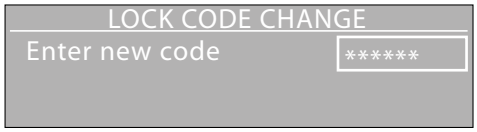
Press this key C for at least three seconds

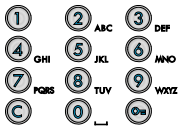




Enter the current lock code

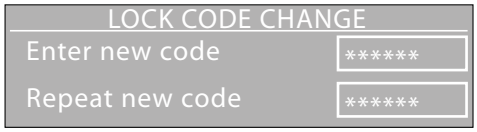
Press the key

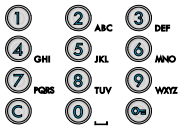




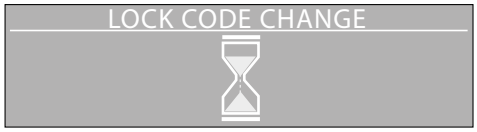
Enter the new lock code

Press the key





Re-enter the new lock code



Press the key

Note:

- if **M = 0**: every resident has a unique lock code
- if **M = 2**: the lock codes are managed by the access control central, and several residents can share the lock code

If the new code already exists, an error message will be displayed.

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