



LYNX HI-LINE PANEL

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PROGRAMMING & INSTALLATION MANUAL

ENGLISH

Programming and Installer Manual of LYNX HI-LINE PANEL.

This is the basic instruction manual for programming and starting up a LYNX HI-LINE PANEL.

The DIGITAL panel may be configured remotely via the incorporated web server. This web server is accessed via the G. E. panel default IP address, which for block panels is: 10.200.100.0

For more details see the LYNX Panel's Web server manual cod. 970020 in www.fermax.com.

To add users to the panel you need the Property Management Unit (Guard Unit) software cod. 970021.

Código 97889I V05_18

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Programming and Installer Manual of LYNX HI-LINE PANEL

GENERAL DESCRIPTION

The HI-LINE Panel of LYNX technology is designed with touch capacitive TFT screens based on graphic icons for a more friendly and intuitive operation.

In general, the navigation is done through their icons and their selection by pressing on the screen.

The panel has 2 screens: top and bottom.

1. TOP SCREEN

The screen is divided into 3 zones.

The distribution is pre-defined and can not be changed.

The dimensions and details of each zone are fixed.



standard agenda codes

Zone 1

The first area is reserved for the display of date and time.

This zone is not configurable. It will be shown always except when displaying the customizable pictures and the configuration menu.

Only configurable date format.

Zone 2

The second area is the biggest and it is reserved for displaying information logos to the user although it can also display text and small icons.

Zone 3

The third area is dedicated to display the buttons that give access to the different functionalities of the panel. When one of them is selected it changes from white to blue color.

There are several pre-defined screens (logos). Some of them below:

Notas:

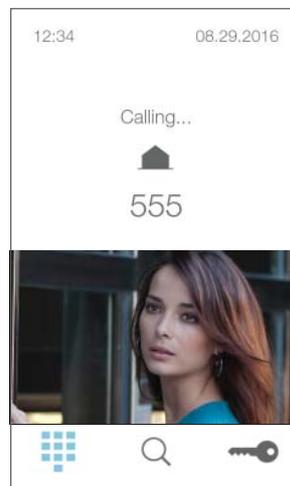
- These screens can be changed by the installer.
- Logos have to be 100 x100 pixels and PNG format.



User's information screen (bell)



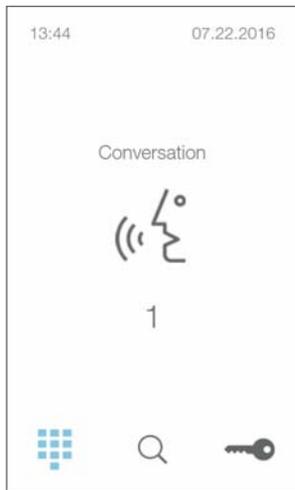
call



call with retroview



call to the guard



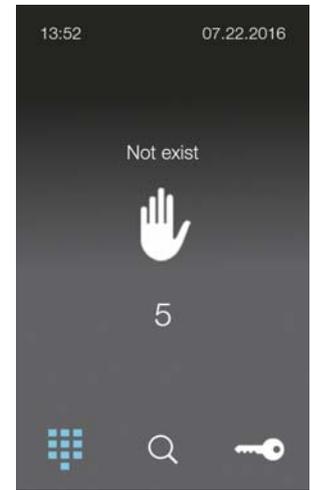
conversation



door opened



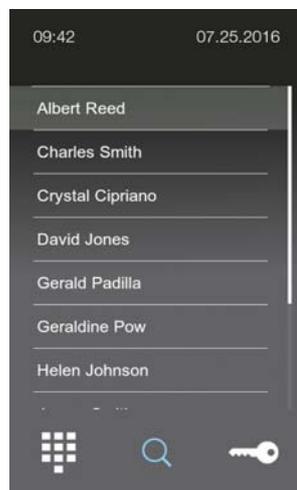
end of conversation



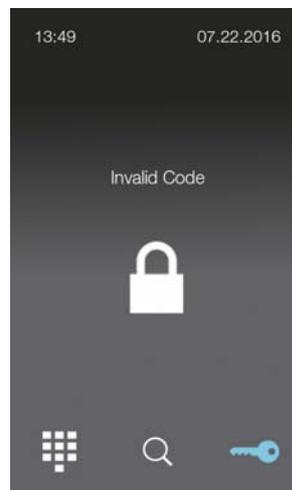
hand: not exist, busy...etc.



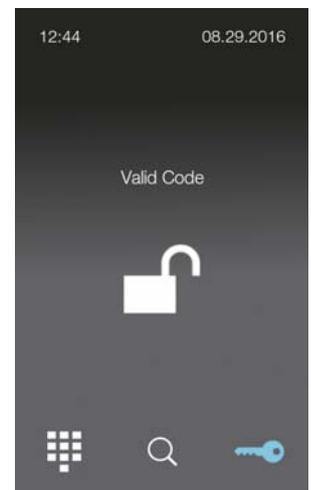
empty agenda



agenda with contacts



invalid code



valid code

2. BOTTOM SCREEN

The bottom screen is responsible for displaying the different keyboards offered by the system. In programming mode select the numeric or the alphanumeric keypad depending on the calls required.

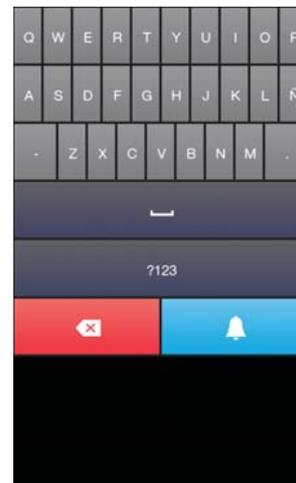
For the case of searching on the agenda the QWERTY keyboard is shown, which appears in the selected language with its corresponding typography.



numeric keyboard



alphanumeric keyboard

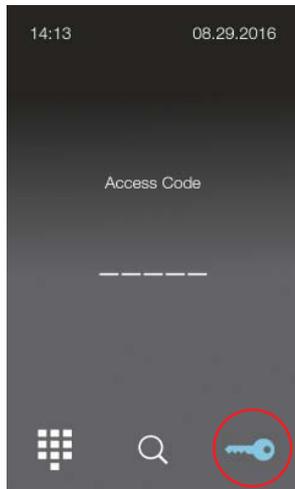


QWERTY keyboard



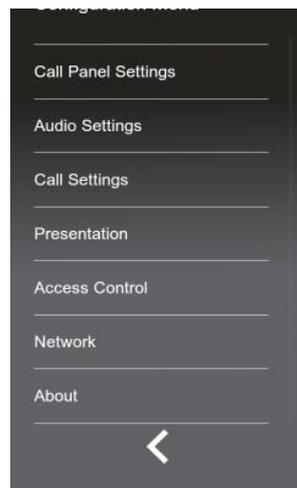
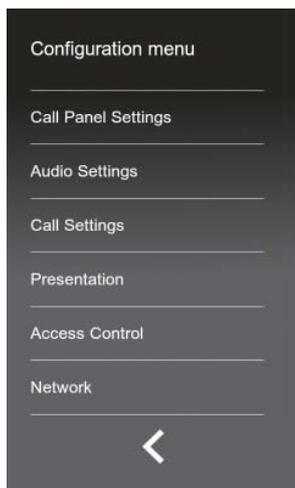
PROGRAMMING ACCESS

Prior to programming any parameter on the LYNX PANEL, you must access its programming mode, for which you need the INSTALLER CODE, which can be change from the programming menu.



Procedure

1. From the user information screen press the «key» for more than 5 seconds.
2. Enter the INSTALLER CODE with the keypad. By default, this code is **19025**.



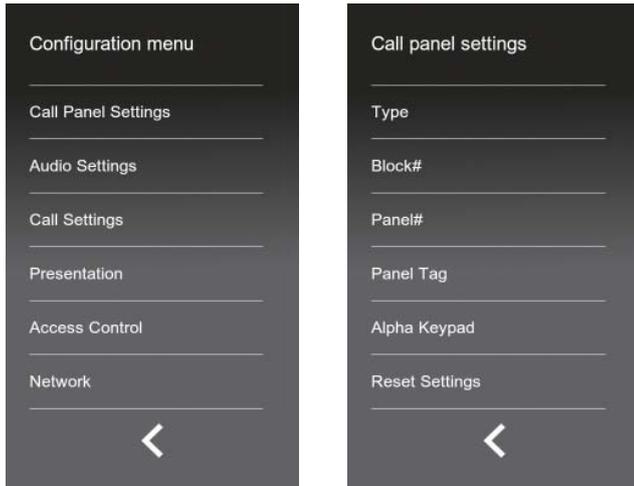
3. The different options of the CONFIGURATION MENU will appear.

Observations

- THE INSTALLER CODE may be changed by the Programmer. It is a numerical value of 5 digits. If changed, note the new CODE, since this must be used the next time programming is accessed.
- As the plate has included a proximity reader, you can also access programming by presenting an authorised card, which is registered through the same panel.
- f you have forgotten the INSTALLER CODE, follow the indicated instructions in chapter 7 Reset installer code to establish a new code.

1 CONFIGURATION MENU-CALL PANEL SETTINGS

From this section you configure all panel parameters.

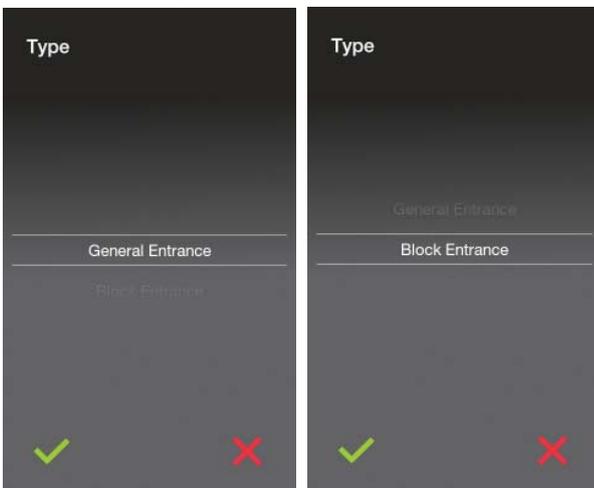


Procedure

1. From the CONFIGURATION MENU, select **CALL PANEL SETTINGS**.
2. A list of available options appears concerning the call panel parameter settings, that are described in the following sections.
3. Select the desired option.

1.1 CALL PANEL SETTINGS - Type

This allows you to define whether this panel is part of a general entrance to all condominiums or if an interior block panel.



Procedure

1. From the CALL PANEL SETTINGS menu select **Type**.
2. Scroll up or down from the available options.
3. Press **✓** to confirm and exit.

Available options

- Block entrance
- General entrance

Observations

- Select "Block Entrance" if the panel belongs to an interior block or if part of an isolated block (not all condominiums).
- Select "General entrance" if the panel belongs to all condominiums' general entrance or if giving access to a group of blocks within the all condominiums.

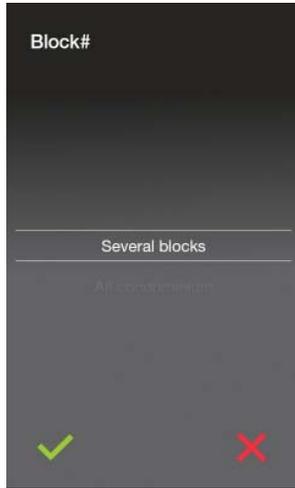
1.2 CALL PANEL SETTINGS - Block#

This parameter is conditioned so that in the previous parameter you must select the type of panel option as "block entrance" otherwise select "general entrance," for which the procedure depends on each case.



Procedure (for a "block entrance")

1. From the CALL PANEL SETTINGS menu select **Block#**.
2. Scroll up or down and select the block number. The BLOCK NUMBER must be between 00 and 99.
3. Press **✓** to confirm and exit.

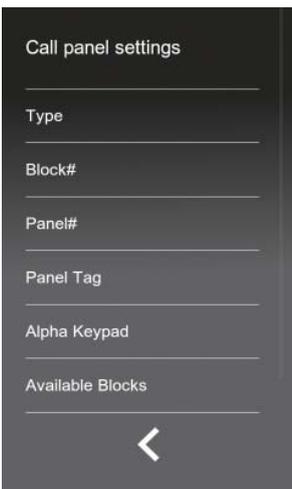


Procedure (for a “general entrance”)

1. From the CALL PANEL SETTINGS menu select **Block#**.
2. Scroll up or down from the available options.
3. Press to confirm and exit.

Available options

- All condominium
- Several blocks



Observations

- If we have selected «Several blocks», CALL PANEL SETTINGS-**Available Blocks** is automatically enabled, from which we can determine for which specific blocks this panel must behave as a general entrance. See next page.
- Some options such as “call a lift” are only available on the panels configured as “block entrance.” See the Property Management Unit (PMU) manual for more details.

1.3 CALL PANEL SETTINGS - Panel#

Select, via this option, the PANEL NUMBER assigned to this panel, in accordance to the installation’s global configuration.



Procedure

1. From the CALL PANEL SETTINGS menu select **Panel#**.
2. Scroll up or down and select the block number. The PANEL NUMBER must be between 00 and 99.
3. Press to confirm and exit.

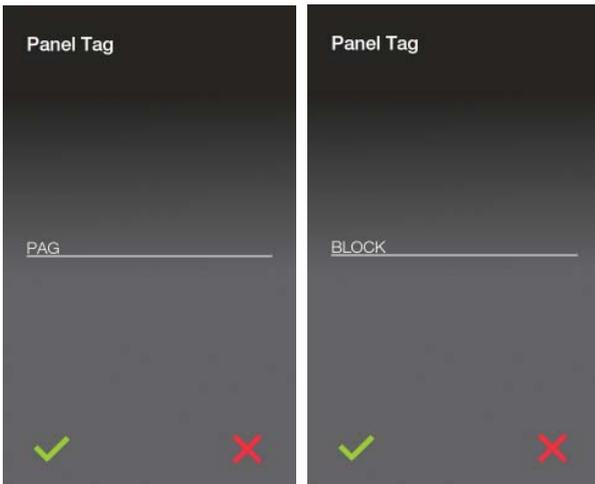
Observations

- The PANEL NUMBER must be between 00 and 99.
- To not repeat the same PANEL NUMBER on different installed panels within a same block or general entrance.

1.4 CALL PANEL SETTINGS - Panel Tag

This allows you to assign a name to this panel.

This name will appear on the monitors and the PMU, when called, as a reference.



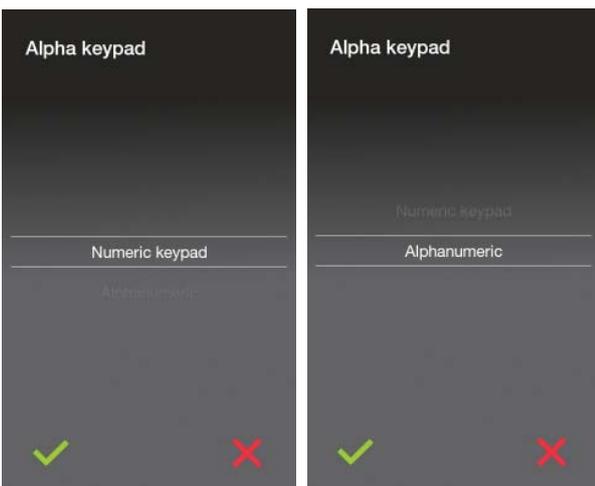
Procedure

1. From the CALL PANEL SETTINGS menu select **Panel Tag**.
2. Use the qwerty keyboard to enter the desired text. You can enter up to 16 alphanumerical characters.
3. Press **✓** to confirm and exit.

1.5 CALL PANEL SETTINGS - Alpha keypad

Via this option we can select the numeric or Alphanumeric keypad.

Depending on the selected keypad, no direct calls may be made to names with letters and numbers (alphanumerical) or not.



Procedure

1. From the CALL PANEL SETTINGS menu select **Alphanumeric**.
2. Scroll up or down from the available options.
3. Press **✓** to confirm and exit.

Available options

- Numeric keypad
- Alphanumeric

1.6 CALL PANEL SETTINGS - Available Blocks

This option is only visible if you have selected «Several blocks» in option 1.2 and it indicates what blocks this panel acts upon.



Procedure

1. From the CALL PANEL SETTINGS menu select **Available Blocks**.
2. Placed on the corresponding block, press to select / deselect the block.
3. Press **✓** to confirm and exit.

1.7 CALL PANEL SETTINGS - Reset Settings

With this option you can reset the panel settings to their default settings and reprogram the basic parameters, via an auto-guide, corresponding to programming point 1.4 CONFIGURATION - Presentation.



Procedure

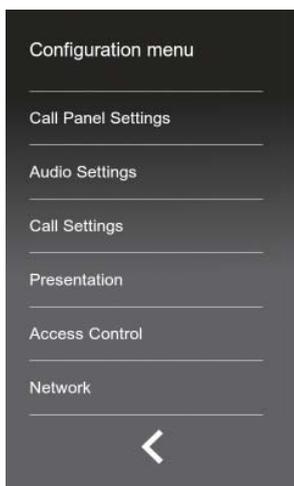
1. From the CALL PANEL SETTINGS menu select **Reset Settings**.
2. Press to confirm or , if you do not want to reset it now.
3. If you select the panel will turn off, automatically restart after 30 to 60 seconds, while the FERMAX logo and home screen appears.

Observations

- During this start-up process the screen will display the firmware version installed and the MAC address.
- **Once the start-up has completed, the panel is set to its factory settings, that is, with IP 10.200.100.0 (General entrance and Panel 0).**

2 CONFIGURATION MENU-AUDIO SETTINGS

From this section you can set the parameters regarding audio levels, which depend on the acoustic characteristics of the installation's site.



Procedure

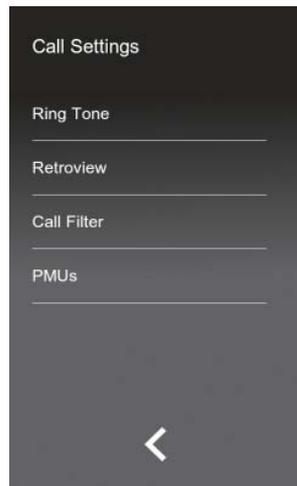
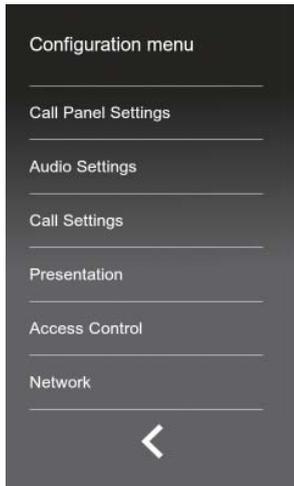
1. From the CONFIGURATION MENU, select **Audio settings**.
2. Scroll up or down and select the corresponding number of the audio level from the available options that they are showed in the display.
3. Press to confirm and exit to CONFIGURATION MENU.

Observations

The values are from 0 to 7 for each of the options.

3 CONFIGURATION MENU-CALL SETTINGS

In this section we select the call parameters, such as the ring tone that the panel makes upon calling a residence, the call filter application and the way in which we want the captured picture to be displayed.



Procedure

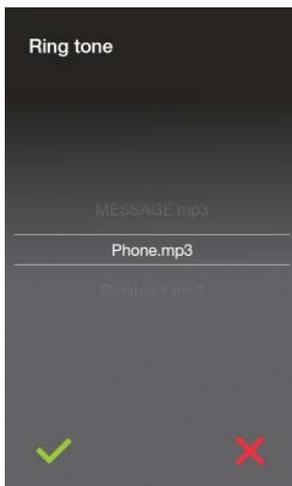
1. From the CONFIGURATION MENU select **CALL SETTINGS**.
2. A list of available options appears concerning the call panel settings, that are described in the following sections.
3. Select the desired option.

Available options

- Ring Tone
- Retroview
- Call Filter
- Filter list (only if the call filter has been enabled)
- PMUs

3.1 CALL SETTINGS - Ring tone

With this option you can select the panel's confirmation tone, which will be heard to confirm that a call is being made.



Procedure

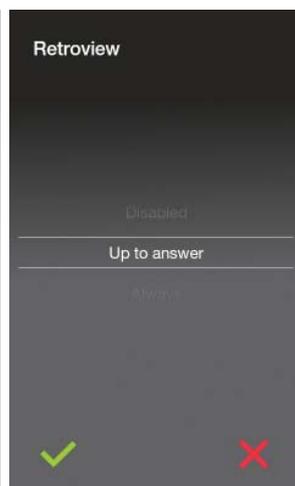
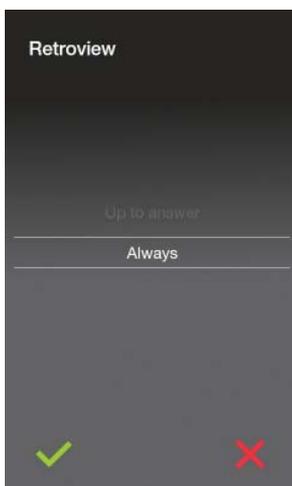
1. From the CALL SETTINGS menu select **Ring tone**.
2. Scroll up or down and select the desired ring tone, which may be heard as you select it.
3. Press to confirm and exit.

Available options

- You can select from several ring tones predefined. It is also possible to record 5 personalised ring tones. See the [LynxWebServer Manual \(970020\)](#) for more details.

3.2 CALL SETTINGS - Retroview

With this option you can configure the panel so that the picture taken by its camera appears on the display.



Procedure

1. From the CALL SETTINGS menu select **Retroview**.
2. Scroll up or down from the available options.
3. Press to confirm and exit.

Available options

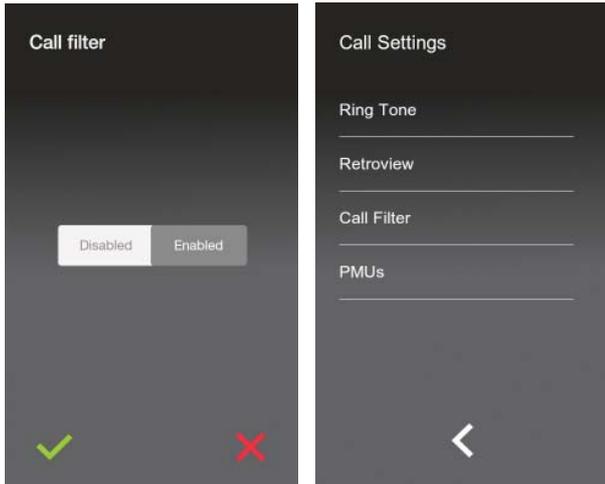
- Always
- Disabled
- Up to answer

Observations

- If we select «Up to answer», I, the captured image disappears upon being answered by the apartment.

3.3 CALL SETTINGS - Call Filter

With this option you activate a restriction on the users' list so that only the selected users from this list appear on the display.

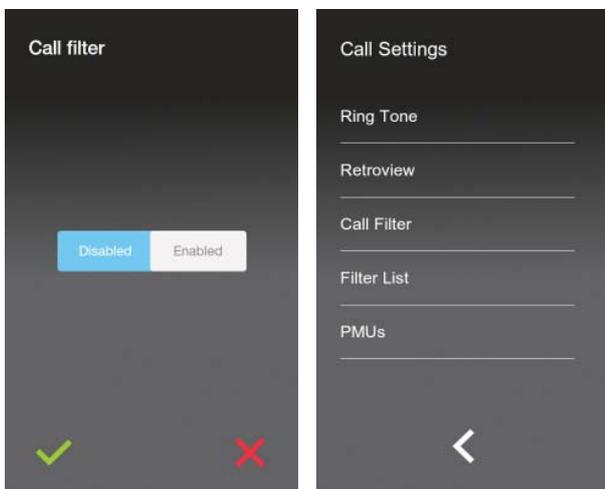


Procedure

1. From the CALL SETTINGS menu select **Call filter**.
2. Select the desired option.
3. Press to confirm and exit.

Available options

- Enabled
- Disabled



Observations

- If we have selected «Enabled», CALL SETTINGS-**Filter List** is automatically enabled, from which we can establish and modify the list of filtered addresses.

3.4 CALL SETTINGS - Filter List

Via this option, it is only available if the function CALL FILTER is selected, and we can create and modify the list of filtered addresses.



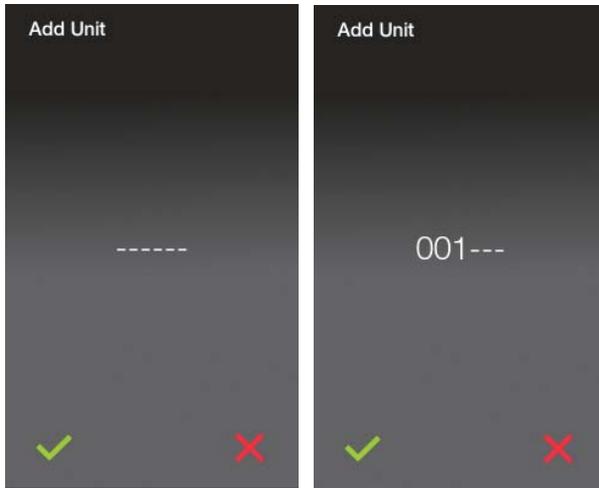
Procedure

1. From the CONFIGURATION menu select **Filter List**.
The units (apartments) in this list appear (if there is one, otherwise the list is empty).
2. Several options are available. Select the desired option:
 - Add unit.
 - Erase unit (if one exists).
 - Modify unit (if one exists).
3. Press to confirm and exit.
 - Modificar unidad
 - Salir al menu anterior.

Add Unit

Use this function to indicate the units' data (apartments) that we want to appear on the panel display.

It allows you to include a maximum of 200 total registers out of 10,000 allowed by the system. If a call is made to a number out of this list, the message will be displayed with the message «non-existent number» and the call will be forwarded to the guard unit, if available, who will forward it to the corresponding apartment.



Procedure

1. From the Filter List menu, press «+» to **Add unit**.
2. Use the numerical keypad to enter the apartment number to be added to the list.

Available options

- : Delete a digit
- : Confirm and return to the filter list.

Erase o Modify unit

It allows erase and modify the list of filtered addresses.



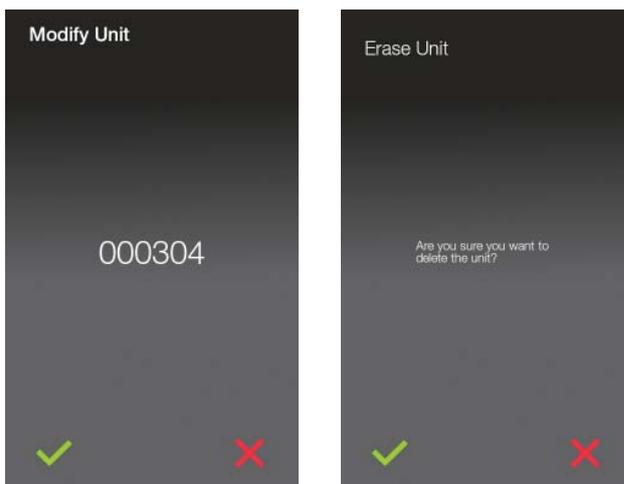
Procedure

1. Select the register to erase or modify.
2. Press or depending on if you want to **Erase unit** or **Modify unit**.

Available options

- : Confirm
- : Cancel

After confirming, and depending on the procedure, the register will automatically be deleted, or it will be ready for the change.

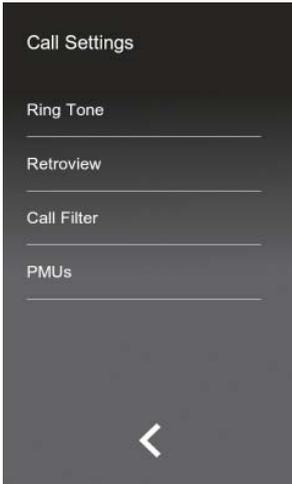


Observations

- Given that the **erase unit** operation is irreversible, a warning message is displayed when the previous screen is confirmed to indicate the operation to be performed and requesting confirmation once again for it to be carried out.

3.5 CALL SETTINGS - PMUs

1 or 2 buttons can be assigned for direct call to the Property Management Unit (PMU) which are displayed on the user information screen (main screen). Maximum 2 PMUs.



Procedure

1. From the CALL SETTINGS menu select **PMUs**.
2. Scroll up or down between the available options to set up the corresponding Property Management Unit (PMU).
3. Press **✓** to confirm and exit.

Available options

- 0, 1 or 2 buttons.

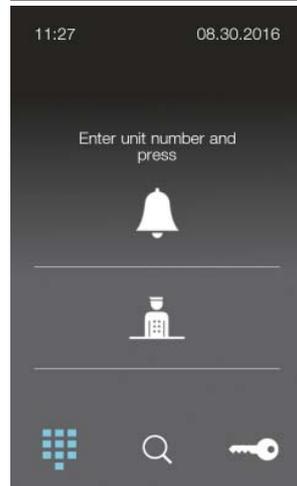
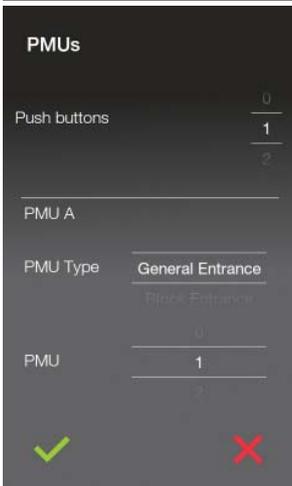
Observations

- When 1 or 2 buttons are selected and the configuration is saved, the panel checks if the EGR exists and is available. If it is not available a message will inform about it but the configuration is saved.



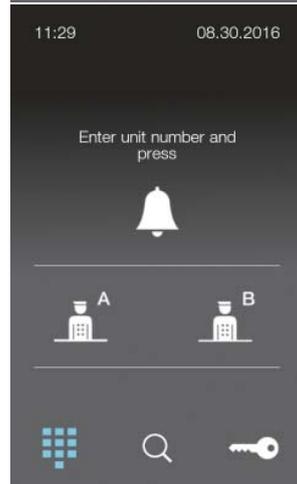
Option

- Without buttons for direct call to the guard.



Option

- With 1 button for direct call to the guard.

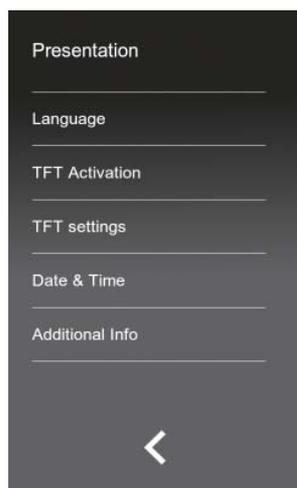
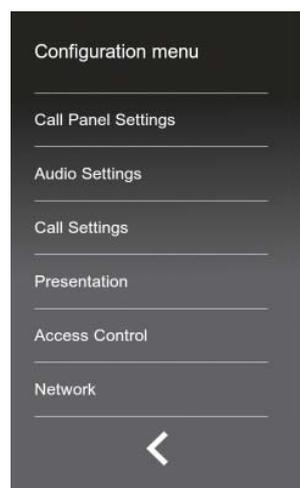


Option

- With 2 buttons for direct call to the guard.

4 CONFIGURATION MENU-PRESENTATION

From this section we can set general appearance parameters and the way in which information is displayed.



Procedure

1. From the CONFIGURATION MENU select **PRESENTACIÓN**.
2. A list of available options appears concerning the call panel settings, that are described in the following sections.
3. Select the desired option.

Available options

- Language
- TFT activation
- TFT settings
- Date & Time
- Additional Info

4.1 PRESENTATION - Language

This allows you to select the panel's language, both in programming and as a user, besides the voice synthesis.



Procedure

1. From the PRESENTATION menu select **Language**.
2. Scroll up or down and select the desired language from the available options.
3. Press **✓** to confirm and exit.

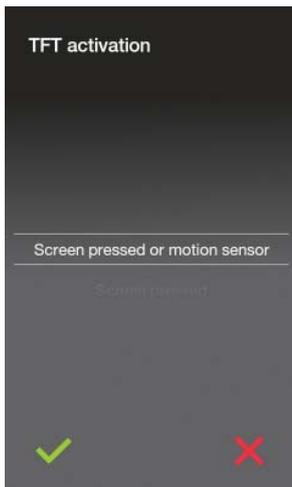
Observations

- You can select from 31 different languages. For each case, it appears in the language with its corresponding alphabet.

English	Melayu
中文	日本語
Español	Italiano
العربية	Indonesia
繁體中文	Íslenska
Tiếng Việt	Magyar
Türkçe	हिन्दी
Tagalog	עברית
עברית	Français
Svenska	Suomi
Slovenčina	فارسی
Русский	Ελληνικά
Português	Deutsch
Polski	Dansk
Norsk	Čeština
Nederlands	

4.2. PRESENTATION - TFT activation

The LYNX panel has a presence sensor that automatically detects if a person is in front of the display. Via this option we can enable or disable the detector.



Procedure

1. From the PRESENTATION menu select **TFT activation**.
2. Scroll up or down to select the required option.
3. Press to confirm and exit.

Options

- Screen pressed or motion sensor
- Always on
- Screen pressed

Observations

- Select «Screen pressed» if you want the display to light up only when the screen is pressed. This option is useful in places of high transit, to avoid that the display is lit each time somebody passes by.
- Select «Screen pressed or motion sensor» if you want the panel to light up in either case.

4.3 PRESENTATION - TFT settings

With this option you can set the TFT screen display brightness.



Procedure

1. From the PRESENTATION menu select **TFT settings**.
2. Scroll up or down to select the required value.
3. Press to confirm and exit.

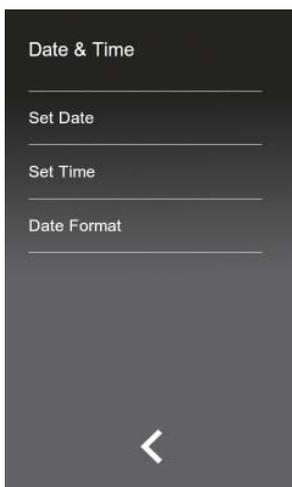
Observations

Scale from 1 to 7.

The colour squares on the lower part of the screen help to set the best visual display.

4.4. PRESENTATION - Date & Time

Use this option to put the date/time incorporated in the street panel, along with the date's format. This data is continuously displayed on the screen, in user mode.



Procedure

1. From the PRESENTATION menu select **Date & Time**.
2. Select the set option.

Options

- To set the current date
- To set the clock
- To select the date format

4.4.1 Set date Option



Procedure

1. From the DATE & TIME menu select **Set date**.
2. Scroll up or down to enter the current month, day and year.
3. Press  to confirm and exit.

4.4.2 Set time Option



Procedure

1. From the DATE & TIME menu select **Set time**.
2. Scroll up or down to enter the current hour and minutes.
3. Press  to confirm and exit.

4.4.3 Date format Option

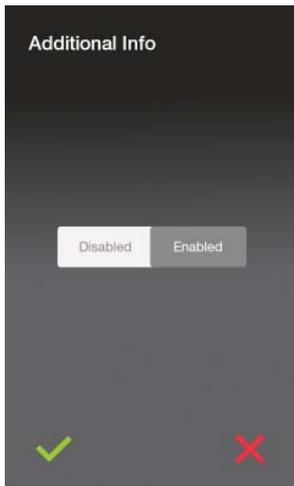


Procedure

1. From the DATE & TIME menu select **Date format**.
2. Scroll up or down to the different options.
3. When the desired option appears on the screen, press  to confirm and exit.

4.5 PRESENTATION - Additional Info

With this option we can indicate if we want the user's additional information to appear, when the display is in a user's mode.

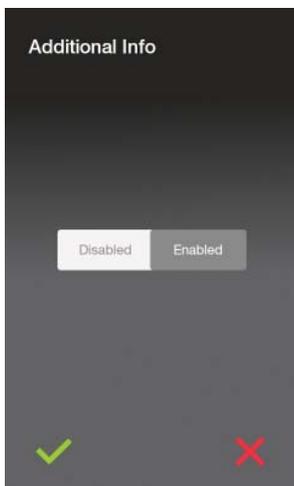


Procedure

1. From the DATE & TIME menu select **Additional Info**.
2. Select the desired option.
3. Press  to confirm and exit.

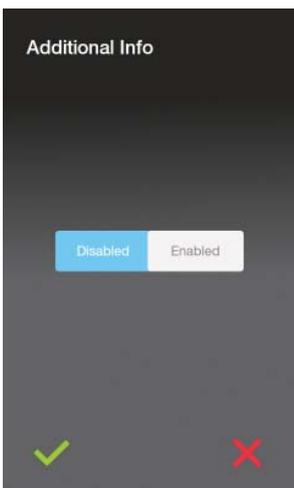
Available options

- Enabled
- Disabled



Option

- Disabled

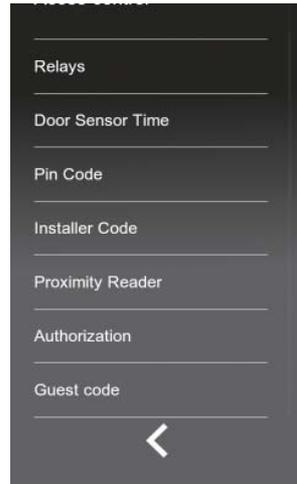
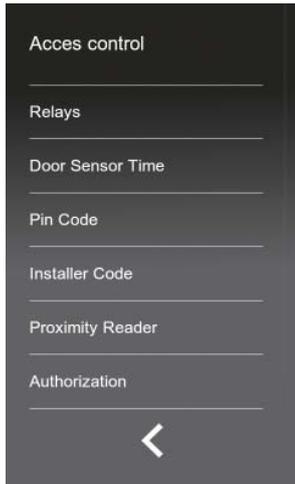


Option

- Enabled

5 CONFIGURATION MENU-ACCESS CONTROL

From this section you can set the parameters relative to the eventual Control Access functions associated to the panel.



Procedure

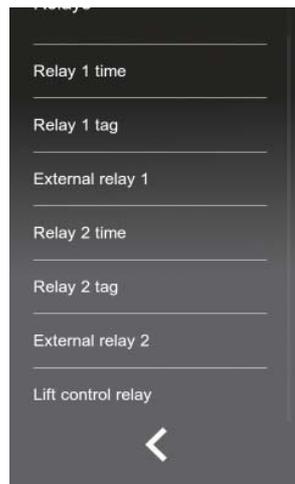
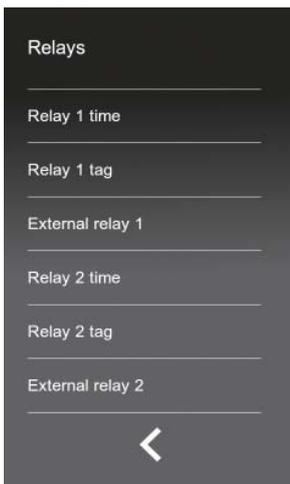
1. From the CONFIGURATION MENU select **Access control**.
2. A new menu of available options appears for the access control, that are described in the following sections.
3. Select the desired option.

Available options

- Relays
- Door Sensor Time
- PIN Code
- Installer Code
- Proximity Reader
- Authorization
- Guest Code

5.1 ACCESS CONTROL - Relay

From this section we can set the parameters relative to the eventual functions of the Access Control (manage internal relays in the panel, or future external relays and/or lift control relay for lifts installed in the system).



Procedure

1. From the ACCESS CONTROL menu, select **Relay**.
2. A list of available options appears for the configuration of different relays.
3. Select the desired option.

Observations

Both the external and internal relays are simultaneously activated with the open door request, with this request being completed in the following cases:

- From any monitor, upon pressing the open door button (selectable relays 1/relays 2).
- By presenting a valid proximity card to the panel. Relays 1 and/or 2, depending on configuration.
- Via a valid PIN CODE entered via the the keypad. Relays 1 and/or 2, depending on configuration.
- If the button is pressed from the inside, if exists and enabled, only Relay 1 is activated.
- The purpose of external relays is to provide extra safety, being able to open the door via a device installed in a place inaccessible from the outside, thus free from sabotage.
- The control relay is activated in both cases, and is generally used to activate the lift's call button, whether for sending it to the bottom floor or to the user's floor. See *Lynx Property Management Unit (Guard Unit) for more details*. Your contacts may only be handled by the lift's maintenance personnel. **Only supported by panels configured as Block.**
- If some of the external relays or lift control is configured but does not exist or work properly, a small delay can be entered on the display and activation of the corresponding internal relay.

5.1.1 Relay 1 time

Via this parameter we can program the time, in seconds, which we want to activate relay 1 when it is activated from one of the modes indicated in the previous point.

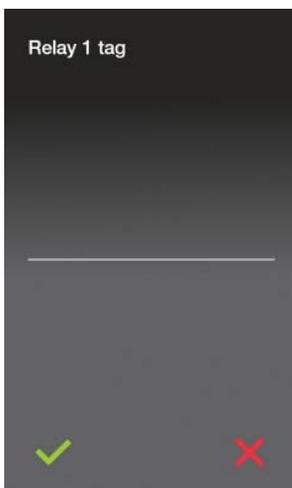


Procedure

1. From the RELAY menu select **Relay 1 time**.
2. Scroll up or down to select the required value, (between 1 and 99). Value = 0, means disabled.
3. Press to confirm and exit.

5.1.2 Relay 1 tag

With this option you can enter the text to appear on the display while relay 1 is being activated.



Procedure

1. From the RELAY menu select **Relay 1 tag**.
2. Use the qwerty keyboard to enter the desired text. You can enter up to 16 alphanumeric characters.
3. Press to confirm and exit.

5.1.3 External relay 1

This option is used to define the configuration of the External relay 1 parameters. These 4 parameters (Block-Group-Module-Relay) must coincide with the 4 groups of the IP address assigned to the corresponding relay.



Procedure

1. From the RELAY menu select **External relay 1**.
2. Scroll up or down to select the required value in the different fields.
3. Press to confirm and exit.

Observations

- The relay will have a IP: 10.203.X.Y, where:
X= Block number
Y= Group
- The Module field will be a “slave” module from which we can activate a corresponding relay between 1 and 254. (Master module = 255).
- The Relay will correspond to the relay number in the selected module:
0-9: slave
0-3 master

5.1.4 Relay 2 time

Via this parameter we can program the time, in seconds, which we want to activate relay 2 when it is activated from one of the modes indicated in the previous point.



Procedure

1. From the RELAY menu select **Relay 2 time**.
2. Scroll up or down to select the required value, (between 1 and 99). Value = 0, means disabled.
3. Press to confirm and exit.

5.1.5 Relay 2 tag

With this option you can enter the text to appear on the display while relay 2 is being activated.



Procedure

1. From the RELAY menu select **Relay 2 tag**.
2. Use the qwerty keyboard to enter the desired text. You can enter up to 16 alphanumeric characters.
3. Press to confirm and exit.

5.1.6 External relay 2

This option is used to define the configuration of the External relay 2 parameters. These 4 parameters (Block-Group-Module-Relay) must coincide with the 4 groups of the IP address assigned to the corresponding relay.



Procedure

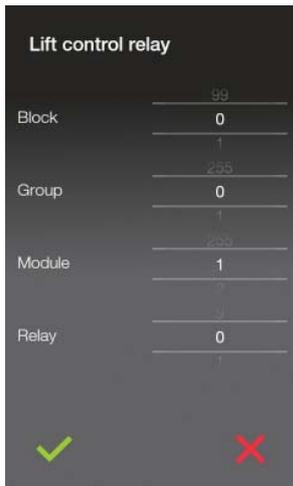
1. From the RELAY menu select **External relay 2**.
2. Scroll up or down to select the required value in the different fields.
3. Press to confirm and exit.

Observations

- The relay will have a IP: 10.203.X.Y, where:
X= Block number
Y= Group
- The Module field will be a “slave” module from which we can activate a corresponding relay between 1 and 254. (Master module = 255).
- The Relay will correspond to the relay number in the selected module:
0-9: slave
0-3 master

5.1.7 Lift control relay

This option is used to define the configuration of the relay to control the lift. See "Observations" in section 5.1.3 External relay 1.



Procedure

1. From the RELAY menu select **Lift control relay**.
2. Scroll up or down to select the required value in the different fields.
3. Press **✓** to confirm and exit.

Observations

- The time during which the relay is activated is always 3 seconds, and its purpose is to activate the button sending the lift to the floor where the panel is.
- Only the panels configured as block entrance may manage the lift relay.

5.2 ACCES CONTROL - Door Sensor Time

If a sensor is installed to detect that the corresponding door to this panel has remained opened for more than the established time, or if forced open (the door has been opened without activating any of the relays 1).

After this time, (or immediately if the door has been forced), a signal is sent to the Guard Unit and/or residence details monitors with access via this door. See *Lynx Property Management Unit (Guard Unit) for more details*.



Procedure

1. From the RELAY menu select **Door Sensor Time**.
2. Scroll up or down to select the required value, (between 1 and 250 seconds). If you do not wish to use this option, value = 0.
3. Press **✓** to confirm and exit.

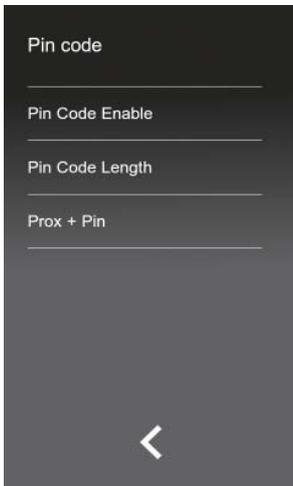
Observations

If the sensor is not installed and the contacts are left in an open circuit, this function is disabled automatically upon powering the panel. It is also enabled automatically if the sensor is installed later on.

5.3 ACCES CONTROL - PIN code

Users of the building may open the entrance door by entering the personal PIN via the panel's keypad. You can also change this PIN code by presenting a proximity card because the panel includes an integrated card reader, located at the bottom behind the serigraphy.

This code is assigned by the system administrator during the programming, but to use it you need to enable it following these steps.

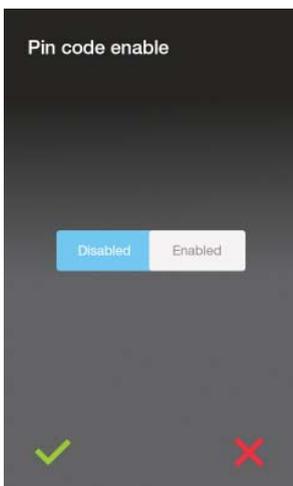


Procedure

1. From the ACCESS CONTROL menu, select **Pin code**.
2. A list of available options appears concerning to the Pin code settings, that are described in the following sections.
3. Select the desired option.

Available options

- Pin Code Enable
- Pin Code Length
- Prox + Pin



[5.3.1 Pin Code Enable](#)

Enable or disable the PIN code.

Options

- Enabled
- Disabled

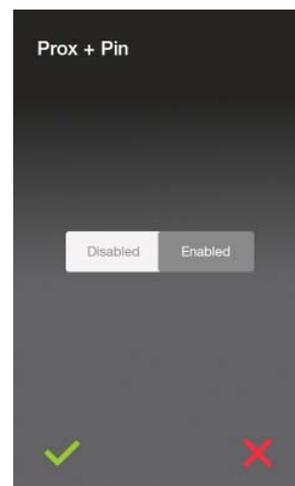


[5.3.2 Pin Code length](#)

Define the PIN code length.

Options

- 4, 5 or 6 digits



[5.3.3 Prox + pin](#)

Enable or disable the combined use of PIN code + presentation of a proximity card.

Options

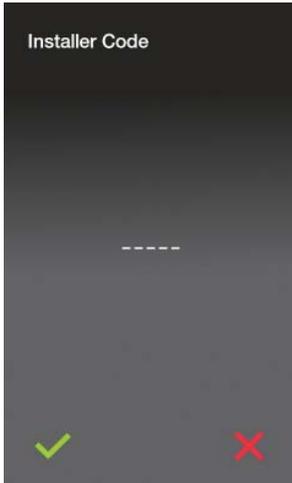
- Enabled
- Disabled

Observations

- The users will press the “Key” before marking the PIN code.
- Entering the wrong PIN CODE 5 consecutive times blocks the system for 1 minute.
- After entering the PIN code correctly and/or presenting the proximity reader, the corresponding relay is activated depending on the system programming. See *Lynx Property Management Unit manual*.
- You can define some users to have access only via the PIN code, while others have it also with a proximity card. In this case we can enable it both with option «5.3.1 Pin Code Enable», and the option «5.3.3 Prox + Pin».

5.4 ACCES CONTROL - Installer Code

This parameter allows you to change the access code to access the panel's programming.



Procedure

1. From the ACCESS CONTROL menu select **Installer Code**.
2. Use the numerical keypad to enter the desired value. Any numeric value between 00000 and 99999.
3. Press  to confirm and exit.

Observations

- The panel has a proximity card reader, so you can also access programming by presenting an authorised card. *See the Lynx Property Management Unit (Guard Unit) manual.*
- The default access code for programming is 19025.

5.5 ACCES CONTROL - Prox. reader

With this parameter we can select which protocol it will use an external reader.



Procedure

1. From the ACCESS CONTROL menu select **Prox. reader**.
2. Scroll up or down to select the required option.
3. Press  to confirm and exit.

Opciones

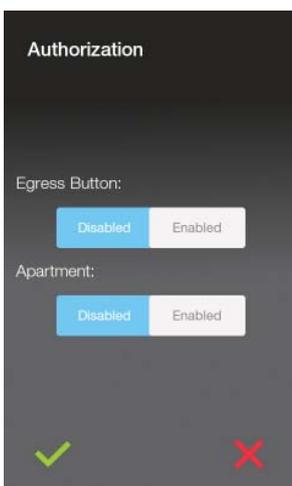
- Data/Clock
- Wiegand-26

Observations

- External proximity reader: The panel includes a proximity card reader and it has the possibility to connect an external reader in the connector «Reader», which can work with Wiegand 26 or Data/Clock protocol. *See chapter 9.1 Connectors.*

5.6 ACCES CONTROL - Authorization

With this option we enable or disable the option of opening the entrance door, either with the egress button or door release button from the apartment.



Procedure

1. From the ACCESS CONTROL menu select **Authorization**.
2. Select the desired option.
3. Press  to confirm and exit.

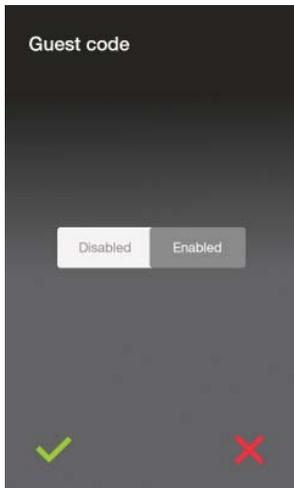
Available options

- Egress Button:
 - Enabled
 - Disabled
- Apartment:
 - Enabled
 - Disabled

5.7 ACCES CONTROL - Guest code

Guests (visits) may open the entrance door by entering a code via the panel's keypad. This code is assigned to the guest by apartment's owner and it is not validated on the panel, this code is validated in an external controller.

If the Guest code is enabled, the «guest code icon» is shown on the screen of user information (main display) when the guest selects the key to enter the code.

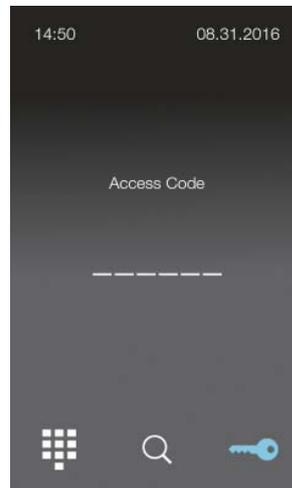
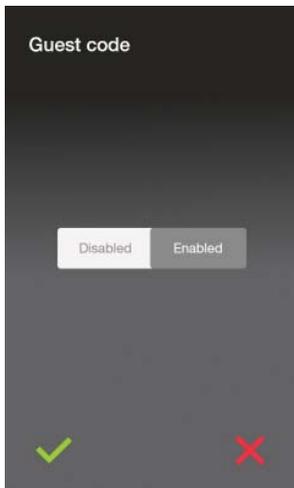


Procedure

1. From the ACCESS CONTROL menu select **Guest code**.
2. Select the desired option.
3. Press  to confirm and exit.

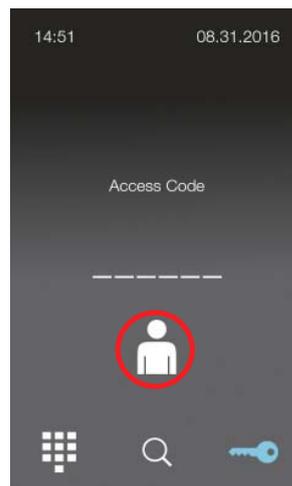
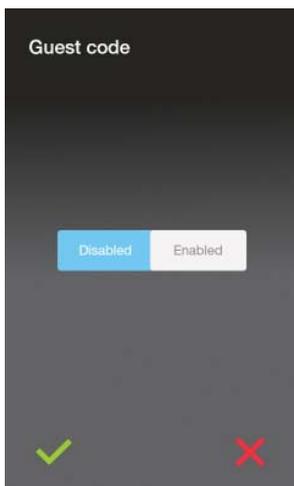
Available options

- Enabled
- Disabled



Option

- Disabled

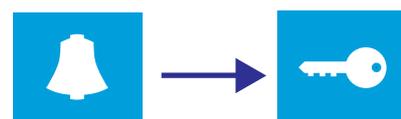


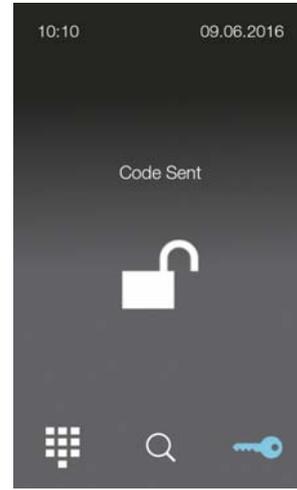
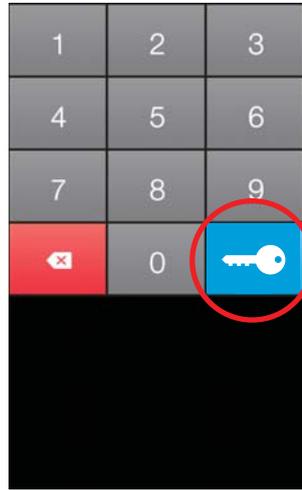
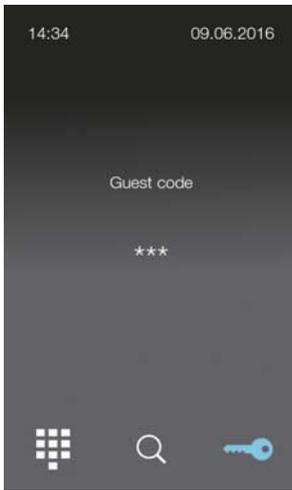
Press to the «guest code icon» on the screen.

It is shown a screen to enter a guest code via the panel's keypad which should be between 1 and 5 digits.

Observations

- Pressing the guest code icon automatically the numeric keypad changes the «bell button» by a «key button».





Option
- Enabled

Enter the guest code + key button (via numeric keypad).

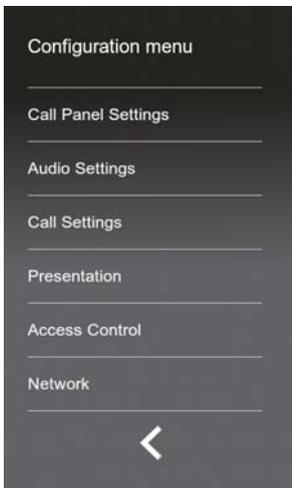
A message will appear on the screen with the information: the code has been sent.

Observations

- For having Guest Code function a «controller module» is required. It is connected in the connector «Reader». See chapter 9.1 Connectors.
- If the Guest code is enabled, an external card reader can not be used because it uses the same connector where you should connect the «controller module» to have this function.

6 NETWORK

This parameter is to configure the panel's IP address or for informational purposes.



Procedure

1. From the CONFIGURATION MENU select **Network**.
2. Select the desired option.

Options

- IP Mode
- Status

6.1 NETWORK - IP Mode

The panel's IP address can be configured by choosing between different modes:

- **Standard Lynx mode** (default selection). *Default IP Address for the digital panel: 10.200.100.0 (General Entrance - Panel: 0). It is very important that the default addresses are not used in real installations in order to avoid possible IP conflicts.*
- **DHCP mode.**
- **Static IP mode.**

a) Standard Lynx mode / c) Static IP mode

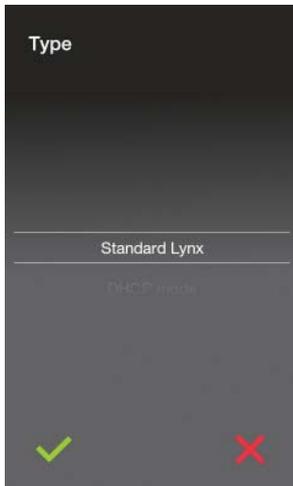
If the network mode selected is LYNX or static, the panel will verify if the IP address and destination's configuration are available. If any of them is not available, the panel will not change its configuration. If the changes make a change in IP, the web server will display this new IP address.

b) DHCP mode

If the DHCP mode is selected, the panel will verify if the configuration destination is available. If so, the panel will save the data and wait for a DHCP server. If there is not DHCP server, the panel will change its configuration to the standard Lynx address.

Note:

- Upon changing the network configuration, the device needs to restart some services for 1-2 minutes. Therefore, we recommend waiting this time after changing the network configuration.



Procedure

1. From the NETWORK menu, select the desired option.
2. Press  to confirm and exit.

Options

- Standard Lynx mode
- DHCP mode
- Static IP mode



Observations

- If you have selected "Static IP mode" **NETWORK - IP Address** is automatically enabled, with which we can configure the IP panel.
- Some options such as "call a lift" are only available on the panels configured as "block entrance". *See the Property Management Unit (PMU) manual 970021 for more details.*



6.2 NETWORK - Status

This parameter is only for informational purposes. It indicates the MAC and IP address on the panel.



Procedure

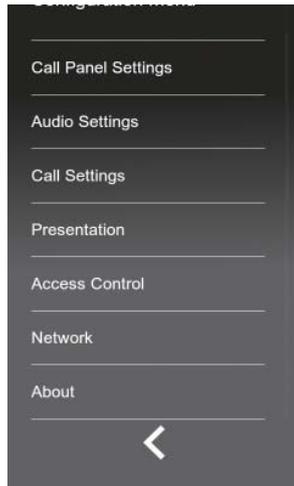
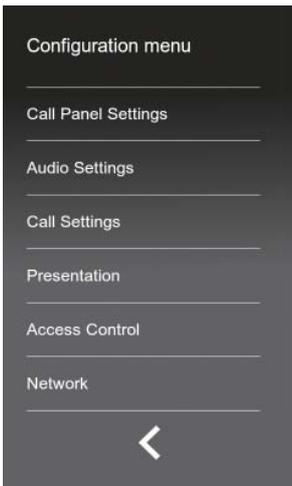
1. From the NETWORK select **Status**.
2. Press or to exit.

Procedure

1. From the ACCESS CONTROL menu select **NETWORK**.
2. Press or to exit.

7 ABOUT

Information about firmware version of the panel.



8 PANEL OPERATION

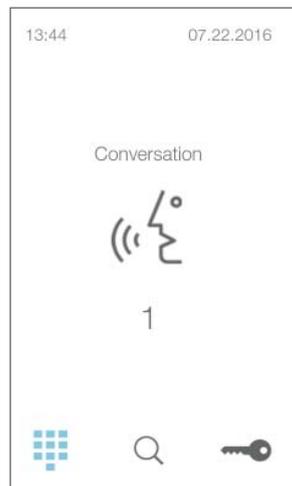
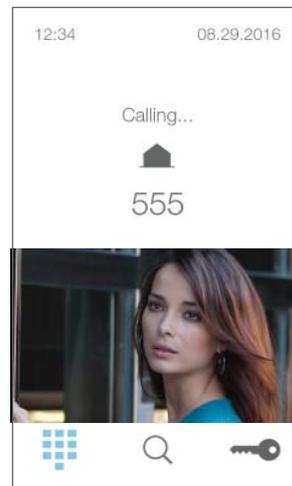
8.1 Direct call

In the User Information screen (main display), it is shown the message, "Enter unit number and press bell".



Procedure

1. The direct call is entered when any key from 0 to 9 is pressed and bell. The maximum number of digits is 8.
If the alphanumeric keyboard is enabled, then it is possible to enter digits or characters.
2. A call to the previously entered unit number is triggered.
3. When a call is triggered, if the neighbor's name is in the registered list it will appear on the information bar.
4. If the call receptor accepts the incoming call, the audio is connected and the special conversation logo will be displayed.
5. When the conversation is finished the screen information will appear.



Observations

- The neighbor's name should be in the registered list and does not start with an asterisk (*). * meaning that the name can not be shown in the agenda.
- If the Property Management Unit (PMU) is configured in FULL mode, the calls are always diverted to the guardian.
- If the call receptor is busy attending another call, a busy screen will appear on the panel. Nevertheless, if the call receptor is the PMU, the call will be queued in the PMU software and it will be attended as soon as the PMU is free.
- Si If the retroview feature is enabled in the configuration menu, the image captured by the panel camera will be shown on the TFT; this will help the visitor to centre his position in front of the camera. Depending on the retroview selection the visitor image will be shown up to the owner answers the call or during all the conversation.

- Si If the retroview feature is enabled in the configuration menu, the image captured by the panel camera will be shown on the TFT; this will help the visitor to centre his position in front of the camera. Depending on the retroview selection the visitor image will be shown up to the owner answers the call or during all the conversation.

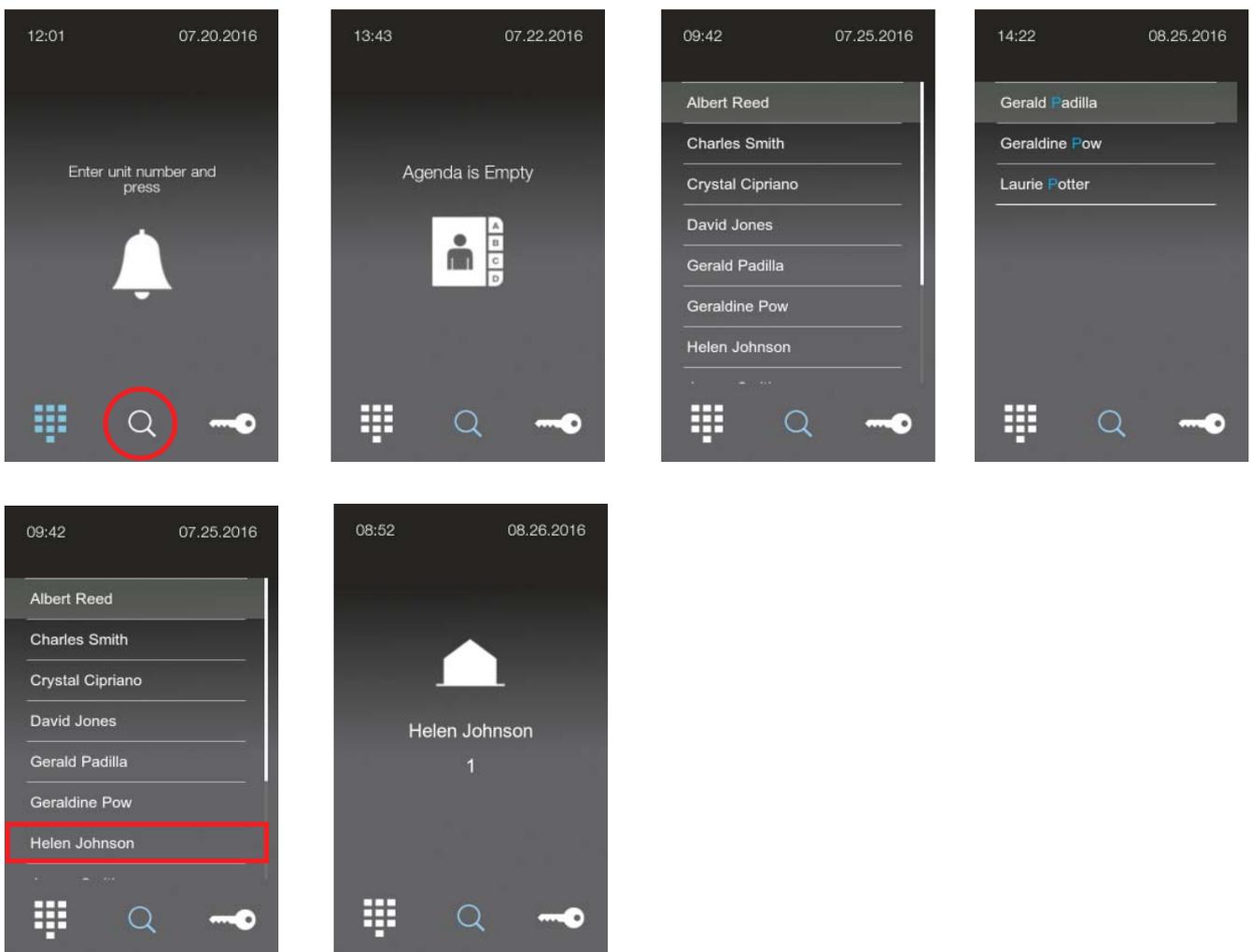
8.2 Call through search on directory

In the User Information screen (main display), it is shown the search icon of the agenda. Any time the agenda icon is pressed the panel will enter in the Agenda display mode and it can see the List of the contacts. The user can scroll up or down on the touch screen.

It could be find the contact by entering its name or you can do through to the QWERTY keyboard which is shown at the bottom.

It can press the bell button to call.

The agenda is sorted alphabetically. The maximum size is 10.000 users.



Procedure

1. Any time the agenda icon is pressed the panel will enter in the Agenda display mode.
2. If the Agenda is empty, the message is shown for 5 segundos.
3. If Agenda is not empty, names will be shown in the display, this screen is deactivated automatically after 10 seconds without activity. It could be find the contact by entering the first letters of his name or surname through to the QWERTY keyboard. The list is reduced and only shows the matches you find. The letters are showing in blue.
4. If a key is selected and there is not results, a “beep” will be heard so the user has information about his search.
5. If a clicking is done on a user, user’s information will displayed. A call can be made by pressing the «bell» key on the numeric / alphanumeric keypad according to the installation type.

8.3 Opening the door

If during the conversation the door is released the related relay will be activated and the corresponding message will be shown.

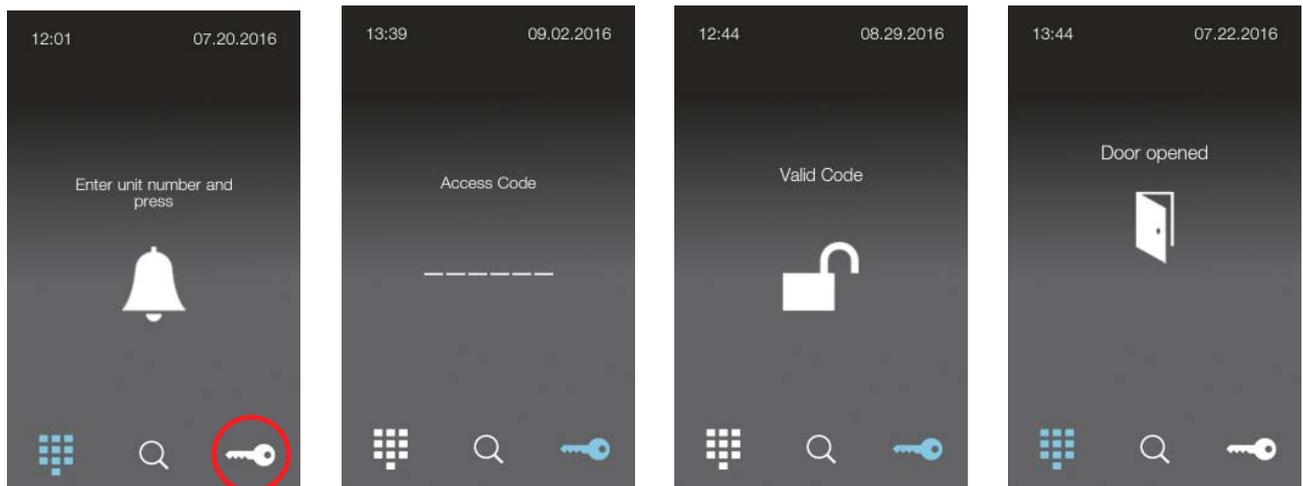


8.4 Open the door through Access Control

It can be opened the door through an access control device.

PIN code

It may open the door by entering a personal code (pin) via the panel's keypad.



Procedure

1. Press the opening icon (key) and the code entry screen will appear.
2. Use the numerical keypad to enter the opening code, (it can be configured with 4, 5 or 6 digits).
3. If the code is valid, the door is opening and the message appears on the screen. If the code is invalid is indicated by a message too.

Observations

- If the user enters five consecutive times a wrong PIN code, the panel will lock the pin code access control feature for a minute.

Internal proximity card

The panel includes an integrated card reader, located at the bottom behind the serigraphy.

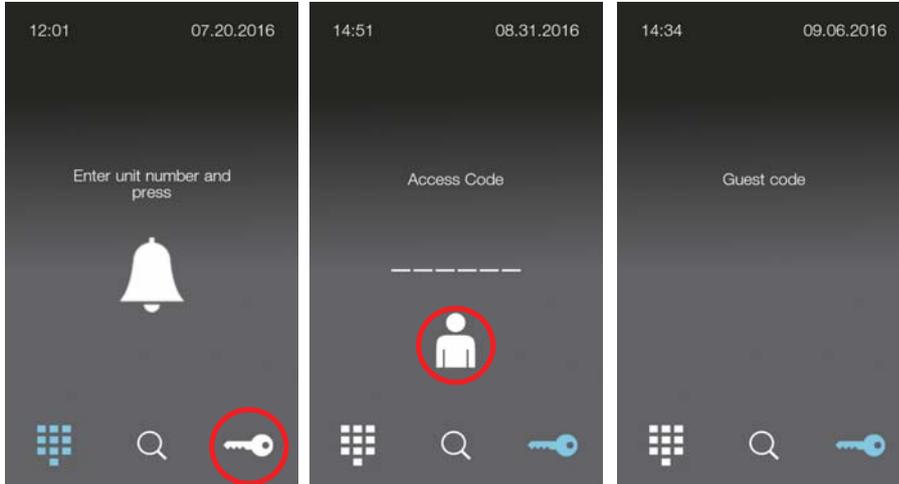
When a proximity card is presented in the reader the panel checks if the code belongs to a user. If the code is valid, then the valid code screen is shown and the door is opened; on the other hand, if the code is not valid the invalid code screen is shown.

External proximity card

Apart from the integrated card reader, it could be connected an external reader to the panel. The working would be similar to previous section.

Guest code

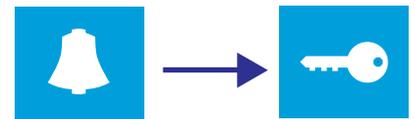
Code for opening door by entering a guest code via the panel's keypad for the visits. This code is assigned to the guest by apartment's owner. If the Guest code is enabled, the «guest code icon» is shown on the screen of user information (main display) when the guest selects the key to enter the code.



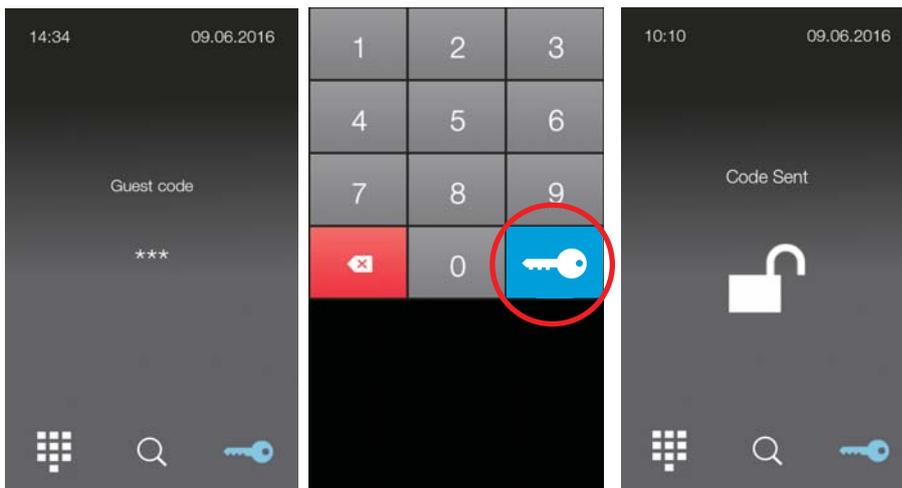
It is shown a screen to enter a guest code via the panel's keypad which should be between 1 and 5 digits.

Observations

- Pressing the guest code icon automatically the numeric keypad changes the «bell button» by a «key button».



Press to the «guest code icon» on the screen.

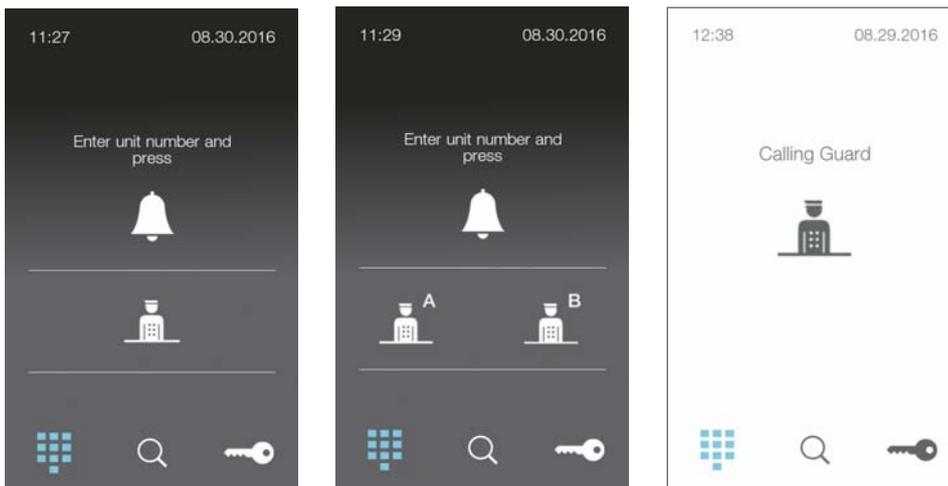


A message will appear on the screen with the information: the code has been sent.

Enter the guest code + key button (via numeric keypad).

8.5 Guard call

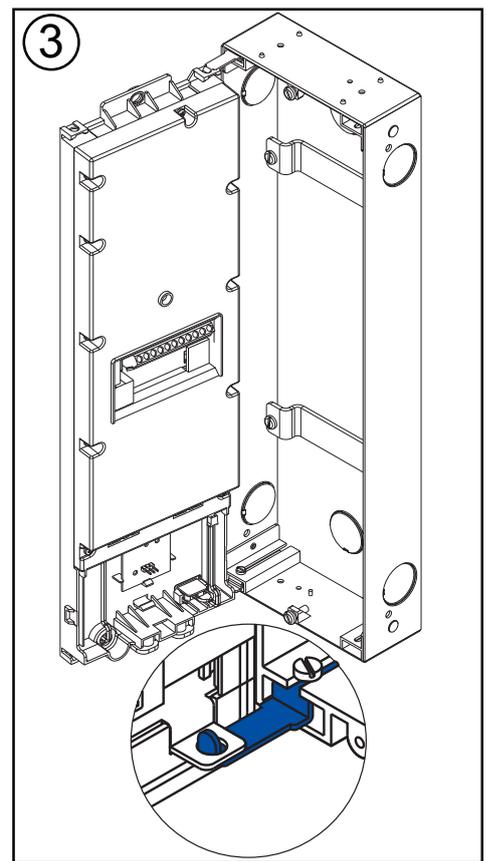
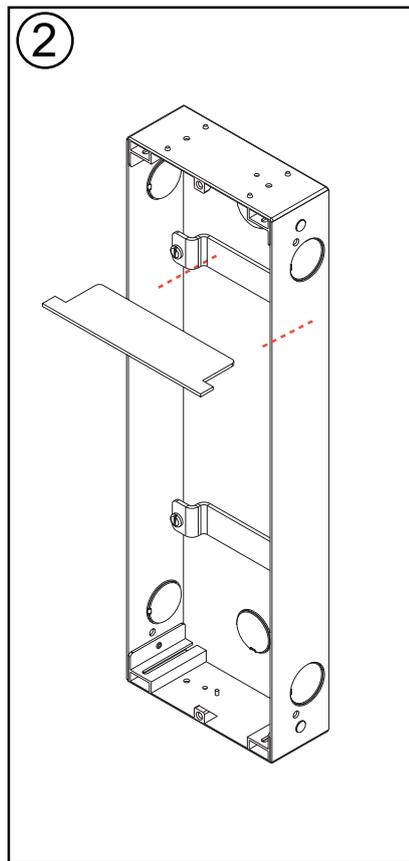
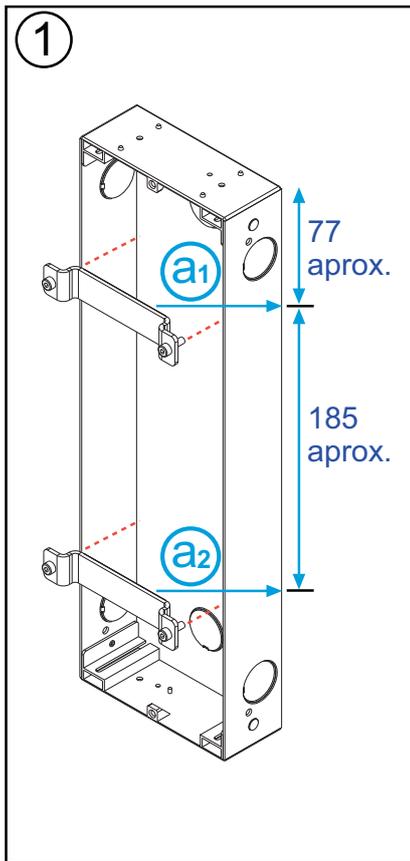
Direct buttons to call to the Property Management Unit (PMU) directly. The message will appear on the screen.



With 1 button

With 2 buttons

9 PANEL INSTALLATION

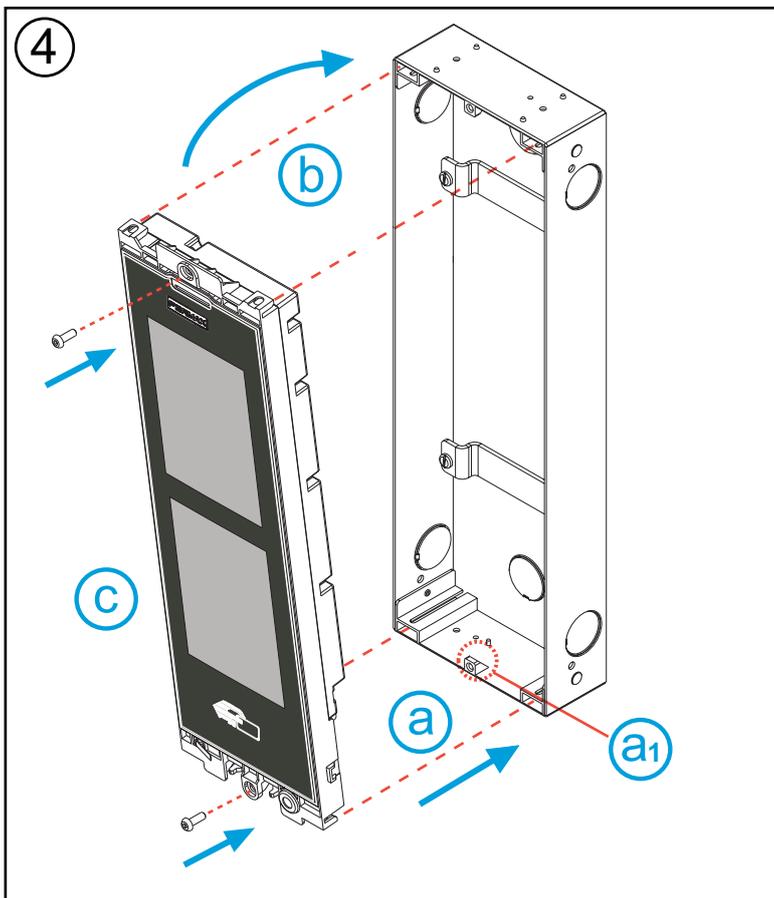


Adjust the screw depths with respect to the included template.

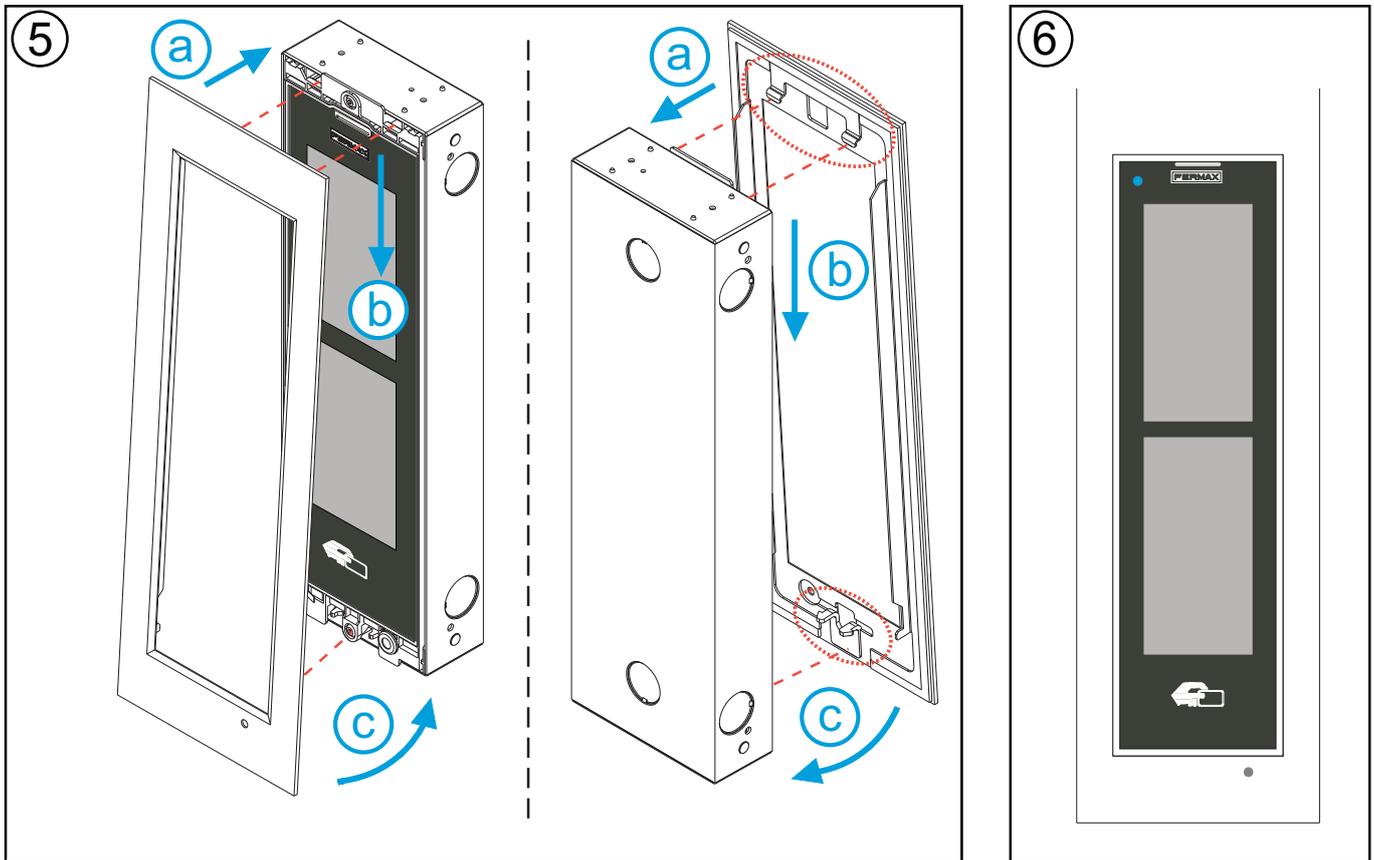
Enter the template and support its borders in the flush-mounted box.

Note: The hinges supplied with the flush-mounted box are for tying the cables in the panel comfortably and easily.

After having completely wired it, remove the panel and introduce the hinges in the back, so as to mount the panel as indicated in the drawings.

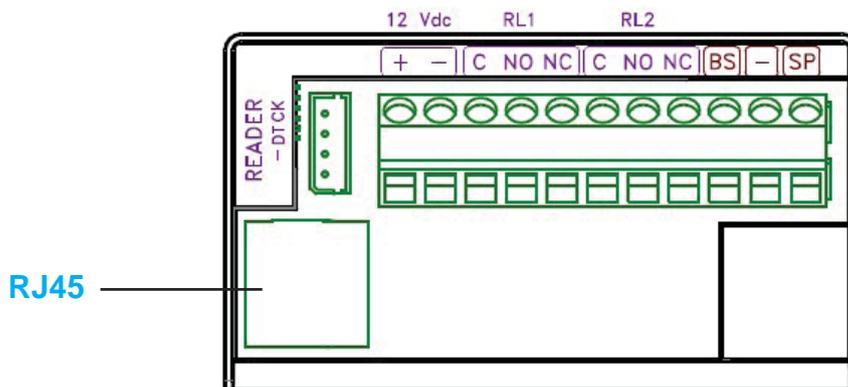


Si la placa no se introduce con cierta inclinación por la parte inferior, se puede salir el muelle incorporado en ésta al tropezar con la pieza de la caja indicada en el dibujo (a1).



10 PANEL ADJUSTMENTS

10.1 Connectors



PANEL CONNECTORS:

+, -: Power 12 Vdc (via a power source).

RL1: C, NO, NC: Relay contacts 2A@30Vdc (lock-release connection 1).

RL2: C, NO, NC: Relay contacts 2A@30Vdc (lock-release connection 2).

BS, -: Egress Button.

S, -: Door-open sensor.

READER: +, -, DT, CK:

The option of connecting any commercial Proximity or Fingerprint Reader (with Wiegand 26 bits protocol or data/clock protocol).

RJ45:

Connector for the physical connection to the RJ-45 cable.

10.2 Technical Features

Power Supply: 12 Vdc (via a power source).

Consumption:

- in stanby: 300 mA.
- maximum: 580 mA.

Audio power from the apartment to the panel: 1 W.

Audio power from the panel to the apartment (speakers): 2 W.

Electret microphone.

Adjustable Volume both ways.

Operating Temperature: -20°C , +70 °C.

IP:43.

Camera:

- Sensor 1/3" Color CMOS. Auto iris for outdoor use.
- Wide angle.
- Effective Pixels: 270K.
- Sensitivity: 0,5 lux.
- Auto balance.
- Back light compensation.

TAMPER: The panel has a tamper resistance system. The panel generates an alarm report for the Property Management Unit (Guard Unit), if somebody attempts to open it.

Abbreviated declaration of conformity:

Hereby, Fermax electrónica S.A.U, declares that the HI-LINE type of radio equipment is in compliance with Directive 2014/53 / EU. The full text of the EU declaration of conformity is available at the following Internet address: <https://www.fermax.com/intl/en/pro/documents/technical-documentation/DT-13-declarations-of-conformity.html>

Radio frequency module:

Frequency: 125KHz. / Maximum Power: 0,5W.

10.3 Values and Capacities by default

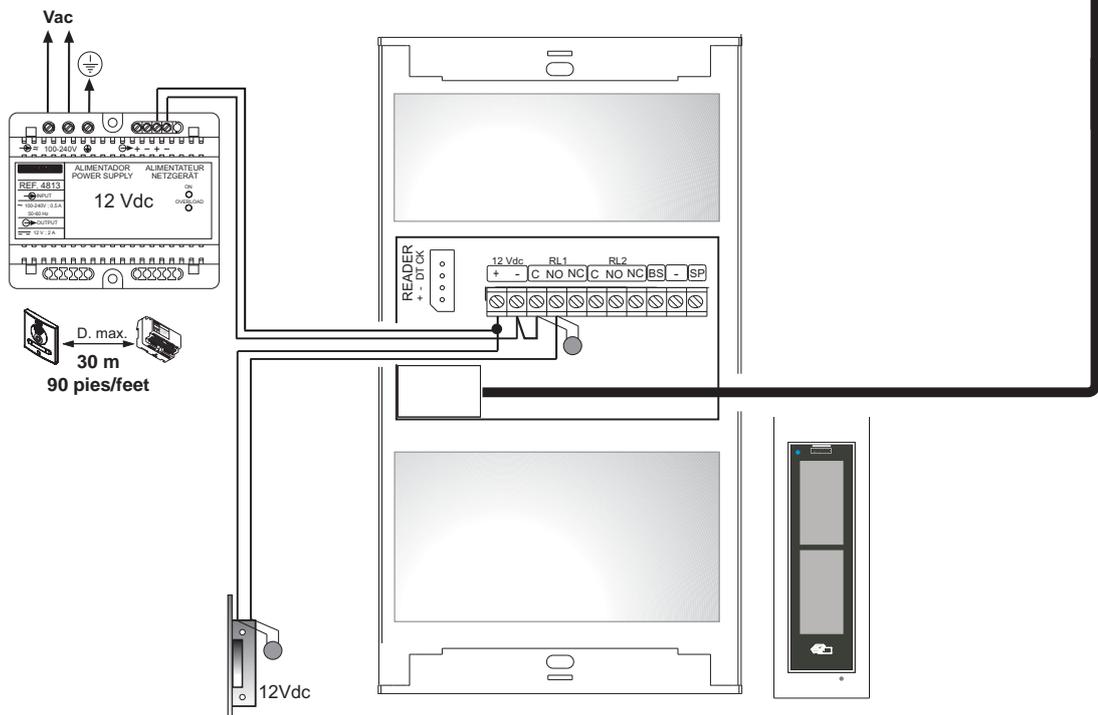
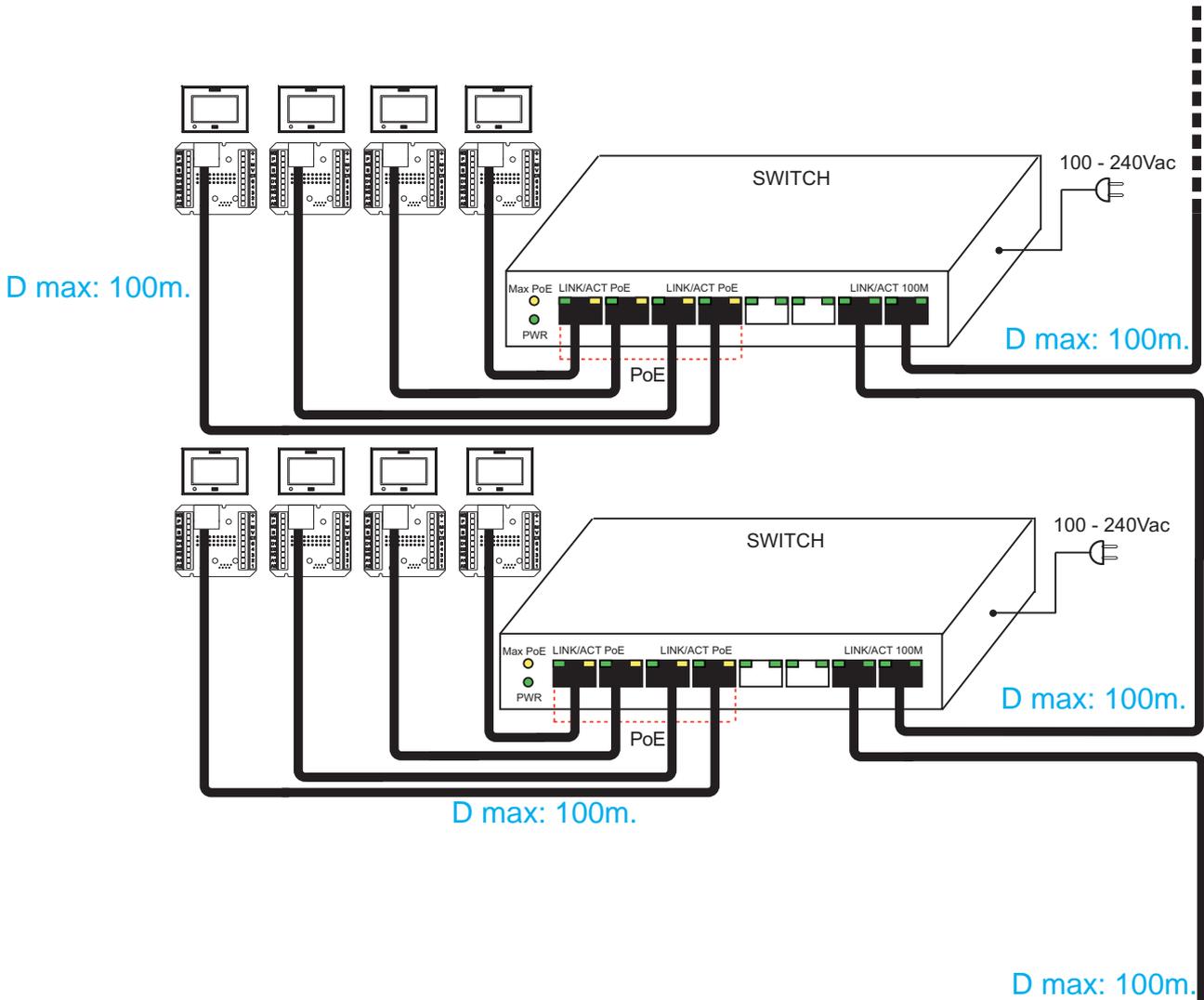
Values:

- Lock-release activation time: 01..99 sec. (Default: 05).
- Exit button: activated/deactivated, (selected via the web server). By default it is active.
- Conversation time: 90 secs
- Door sensor time: 01..99, (by default: 00, not active).
- Default panels´ IP addresses:
 - Digital Panel: 10.200.100.0 (General Entrance - Panel: 0)
 - Push button panel: 10.200.0.0 (Block:0 - Panel:0)
- Types of Configuration:
 - Digital Panel: General Entrance or Block.

Capacities:

- Users Capacity: 10.000. (For agenda and access control purposes).
- Number of conversation channels: 1 per panel.
- Conversation Time: 90 seconds.
- Customized pictures: 100x100 pixels and PNG format. It could be changed.
- Number of Panels:
 - General entrances: 100 (00...99).
 - Blocks: 100 (00...99).
 - 1L Panels:
 - Private Residence Panel: 8 (00...07).
 - Emergency Panel: 255 (000...254).

11 WIRING DIAGRAM



FERMAX

Avd. Tres Cruces, 133
46017 Valencia
Spain