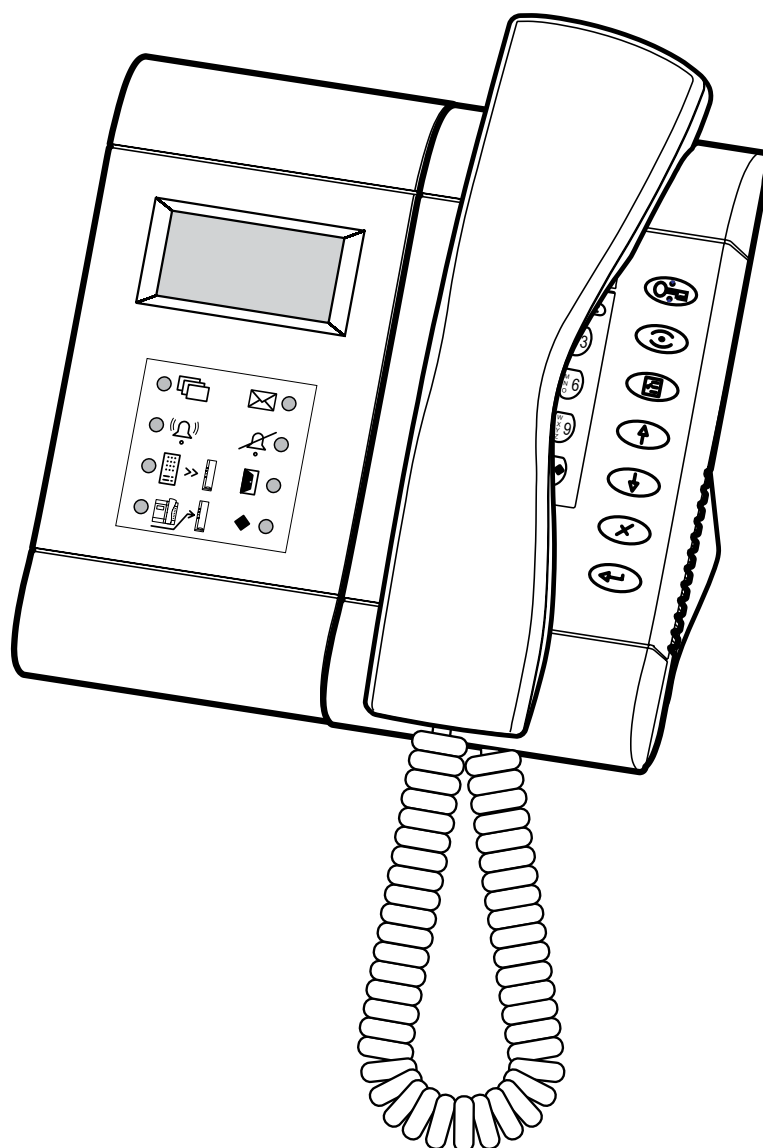


PDX 2000

SWITCHBOARD

for DUO System



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SAFETY NOTICES

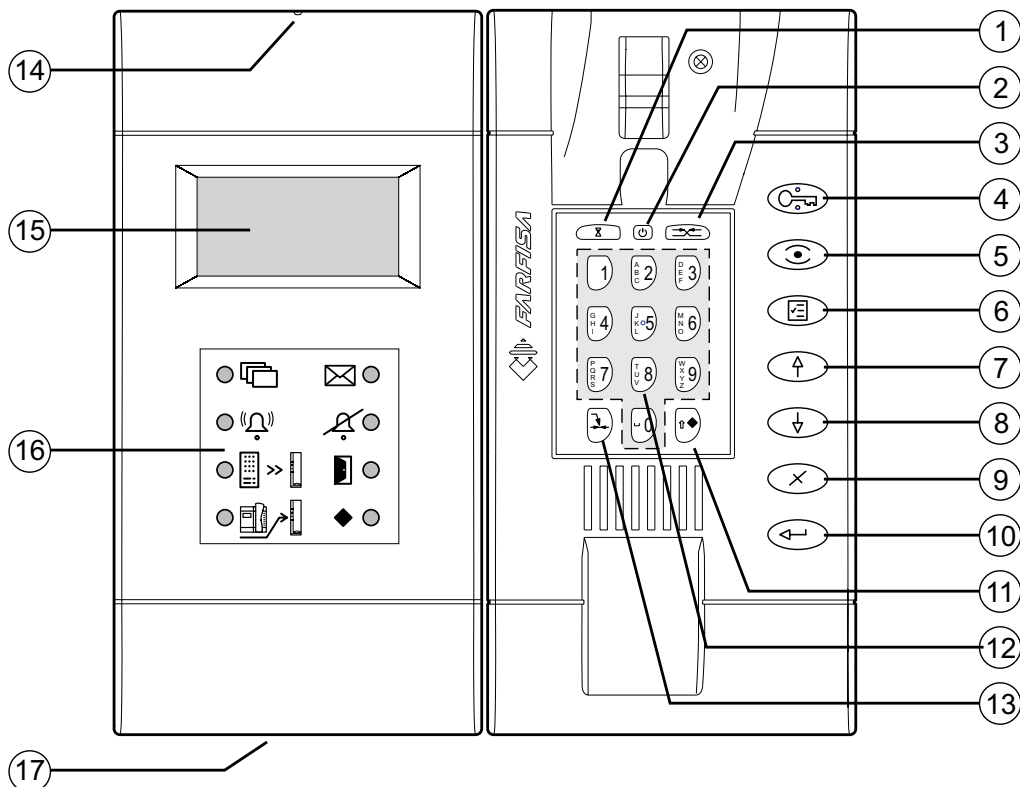
- Read the instructions contained in this manual carefully because they provide important information about safe installation, use and maintenance. Keep this manual appropriately for future reference.
- Install your switchboard in a dry place away from heat sources or devices that produce heat and magnetic fields.
- Do not clean the switchboard with water or chemical solvents, use a dry cloth for cleaning.
- This device must be exclusively operated for its intended use. The manufacturer cannot be held responsible for possible damage caused by improper, erroneous and unreasonable use.
- Keep packing parts away from children (i.e. plastic bags, expanded polystyrene, etc.).
- Do not open the device when it is ON.
- The installation must be made by specialized personnel in compliance with the regulations in force.
- Always refer to specialized personnel in case of breakdown, irregular operation or change in the installation.
- The device complies with the EEC directives (CE European mark).

Introduction

Switchboard PDX2000 is a component of the Digital System "DUO" and comes with a table adaptor and junction box for an easy connection to the installation. Equipped with an alphanumeric keypad, an LCD display and 7 service buttons suitable for making all the functions. The switchboard can communicate with 200 users (intercoms or videointercoms) and with one or more door stations.

Main functions

- Three operating modes: day, night and direct call
- Communication between internal users or internal users and door stations
- Monitor of one or more door stations
- Inclusion on a busy user
- Booking of calls (it can store up to 50 unanswered calls)
- Selective door lock release
- Users directory



Characteristics (see figure)

- 1 - Button "**hold**". During the conversation with an internal user or a door station, pressing it, it is possible to hold the conversation in progress and then resume it by pressing again the same button. The user in hold is flashing on the display.
- 2 - Button "**ON-OFF**". It allows to power ON and OFF the switchboard (function **day-night**).
- 3 - Button "**connect**". It allows to put in communication 2 internal users or a door station with an internal user.
- 4 - Button "**door opener**". It allows to release the lock of the door station in conversation in that moment or that of the last door station from which a call has been made.
- 5 - Button "**monitor**". It allows to control a door station quickly connecting to it (or in case of multiple entrances. To the last door station from which a call has been made).
- 6 - Button "**menu**". This is the button which allows to access all the functions to set and program the switchboard. To move inside the submenus use the arrow buttons.
- 7 - Arrow **up** (or **back**).
- 8 - Arrow **down** (or **forward**).
- 9 - Button "**erase**". It allows to erase a character or a selection during settings or insertion of names.
- 10 - Button "**enter**". It allows to confirm and proceed to the next entry.
- 11 - During the normal operations of the switchboard it allows to **actuate the internal relay**. During the insertion of data this button is used to select the **type of character** (upper or lower case, numbers, etc.).
- 12 - **Alphanumeric Keypad**.
- 13 - Button "**inclusion**". It allows the switchboard operator to include during a communication in progress.
- 14 - Button "**reset**". Press this button to restart the switchboard. During the reset no data will be lost.
- 15 - **LCD Display**. It shows data and functions during the operation of the switchboard or during the programming.
- 16 - **LED's** to underline the most important functions of the switchboard.
- 17 - **Memory card socket**. Using the memory card it will be possible to import or export data and load new software releases.

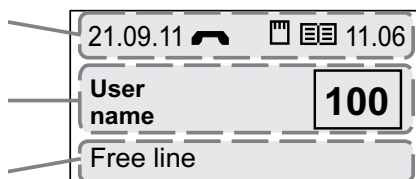
Display

The display is organized into 3 different areas

- Status bar

- Name and address of internal users and door stations

- Operating info









Status bar



It is shown in the upper part of the display and gives the following info (from left to right)

● Date (day-month-year)






● Communication status (see the following icons)

-  Handset on hook
-  Handset off hook
-  Call to or from a user
-  Communication in progress between switchboard operator and user or between two users
-  Call from door station
-  Communication in progress between switchboard operator and door station or between door station and internal user

● Memory card inserted (see the following icons)

-  correctly inserted
-  Reading error

● Directory (see the following icons)

-  Ready
-  Directory loading
-  Import directory
-  Directory sorting
-  Export directory

● Keypad locked



● Time (hours-minutes)

LED's

Under the display there are 8 LED's which indicate some important functions of the switchboard.



Shows that one or more bookings are present



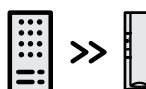
Shows the presence of a message



Shows that a call is in progress (flashing)



Shows that the ringer tones of the switchboard have been excluded (minimum volume)



Shows that the direct call mode of the switchboard has been activated



Shows an opened door (if this function has been foreseen in the installation)



Shows that the "diverted to a user" operating mode of the switchboard has been activated (if supported by the software version)



Shows the activation of the internal relay in monostable or bistable operating modes

Installation and connection

The Switchboard is ready for the installation on a desk.
Fix the junction box to the wall with screws and expansion plugs or to a wall box ($\varnothing=60\text{mm}$) and make the connection according to the installation diagram.
To fix the switchboard to the wall it is necessary to dismount the plastic table adaptors and use the same metal wall brackets. Do not use the junction box with the white connection cable and make the connections directly to the terminal board of the switchboard. Check for the correctness of the wiring.
Power-ON the system by connecting the power supplies to the mains.

Programming

For a correct operation of a digital system "DUO", it is necessary to program all the devices present in the installation.

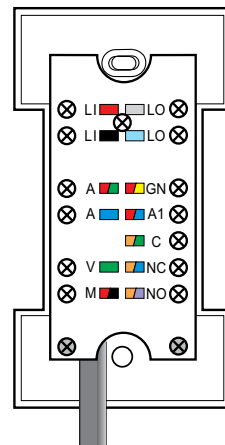
- **Switchboard** is programmed from factory with the address **201**. If it is necessary address can be changed following the instructions reported on the chapter "PDX Address".
- In all the **internal stations** a button, pressing which you will call the switchboard, must be programmed with the same address of switchboard (according to the previous example 201); for programming please follow the procedure indicated in the technical manual which comes with the product.
- Program all the **door stations** to set them for the presence of the switchboard.



Attention. All the **devices** connected to a DUO system, with the presence of a **switchboard**, must have a software release 400 or higher.

Terminal board

- LI / LI** Duo line input
- LO / LO** Duo line output
- A / A** Auxiliary power input (12-15Vdc - 0.5A)
- C** Common contact of internal relay
- NC** Normally open contact of internal relay
- NO** Normally closed contact of internal relay
- V** video output for an auxiliary monitor (unbalanced 75 Ω)
- M** Video output ground
- GN** Negative input for a local call
- A1** Positive input for a local call



Technical data

Power supply directly from the line
Operating current:
Max: 0.5A
Stand by: 0.04A
OFF (night): 0.02A
Permanent memory for programming data
LCD Display: matrix points 64x128
LED's: 8
Alphanumerical keypad: 15 buttons
Service buttons: 7
Internal relay: 1
Maximum load contacts relay: 12Vac/12÷24Vdc - 1A
Operating temperature: 0° ÷ +50°C
Maximum admissible humidity: 90%RH

Table of the maximum permitted distances

Section*	Farfisa 2302 cable 2x1mm ² - AWG17	Twisted cable 2x0.32mm ² - AWG22	CAT5 cable 2x0.2mm ² - AWG24
A - D	50 m - 164 ft	10 m - 33 ft	5 m - 17 ft
B	150 m - 492 ft	150 m - 492 ft	150 m - 492 ft
C	150 m - 492 ft	150 m - 492 ft	150 m - 492 ft
E **	30 m - 98 ft	20 m - 65 ft	20 m - 65 ft
F	150 m - 492 ft	50 m - 164 ft	35 m - 115 ft

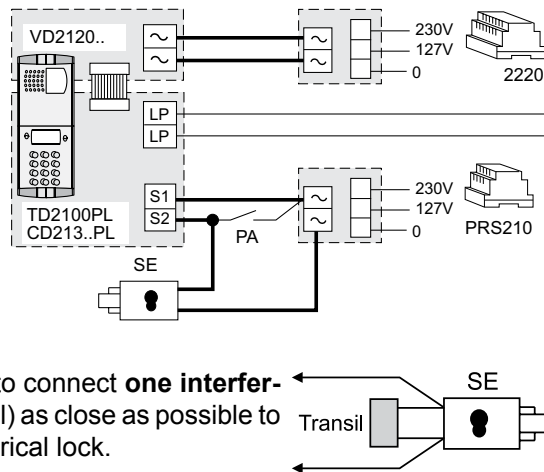
* Letters for reference on the diagrams (see pages 7 and 8)

** The sum of all the sections "E" must not exceed 300 meters.

Electrical door lock

The video signal may be disturbed during the operation of the electrical lock. To avoid this problem or actuate locks with characteristics other than recommended (12Vac 1A max.) an additional power supply should be used as indicated in the diagram below.

It is also recommended to connect **one interference suppressor** (transil) as close as possible to the terminals of the electrical lock.



Art.2302 Farfisa cable

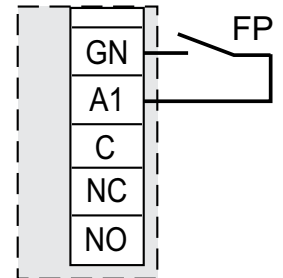
Twisted pair cable specified for the digital installation with DUO systems. The use of inappropriate cables may have an adverse effect on the performance of the system.

Technical characteristics

Number of conductors: 2
 Colour: red and black
 Cross-section: 2x1mm² (AWG17)
 Material: tinned copper
 Twisting pitch: 40mm
 Nominal impedance: 100W

Connection of a local calling button (bell function)

Connecting a button (FP) between terminals A1 and GN it is possible to enable the switchboard ringing with a different ringing tone and without engaging the switchboard itself (only bell function).



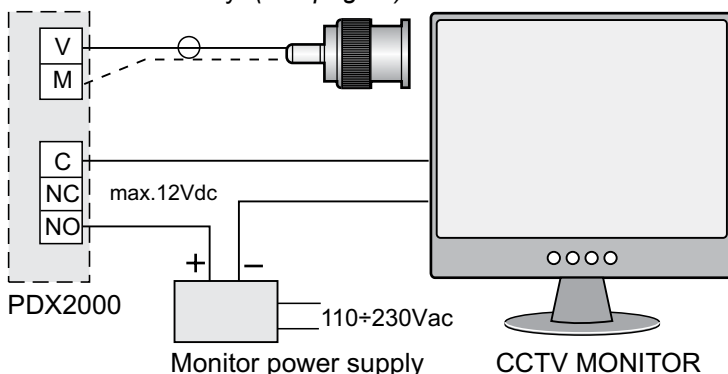
Connection to a monitor

With the switchboard it is possible also to get the image from door stations installing the monitor FARFISA art. **ST7100CW**, the wall bracket art. **WB7262** and the table adaptor art. **TA7100W** (for a proper installation and connection please refer to the technical manual of wall bracket). It is also possible to use a **CCTV** monitor.

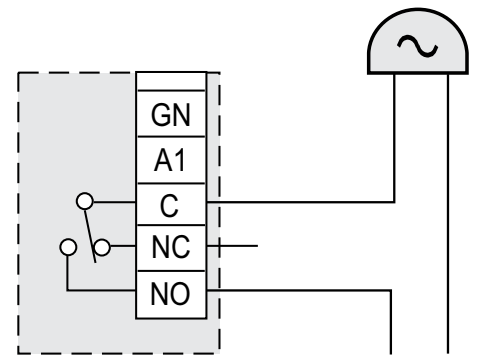
Connection of a CCTV monitor

Attention! Please use a monitor with no earth connection (Class II) or use a ground loop separator. CCTV monitor can work either in continuous or timed mode. In the case of continuous mode (direct powering from the main) monitor is still powered-ON also when the door station is not connected (no image).

In timed mode monitor is powered-ON only when the door station is in connection (with image). To operate in this way it is necessary to connect the CCTV monitor as shown in the following diagram and program the internal relay of switchboard as reported in the chapter "Operating mode of internal relay" (see pag.14).



Connection of a supplementary ringing bell or a lamp signaler for the incoming calls



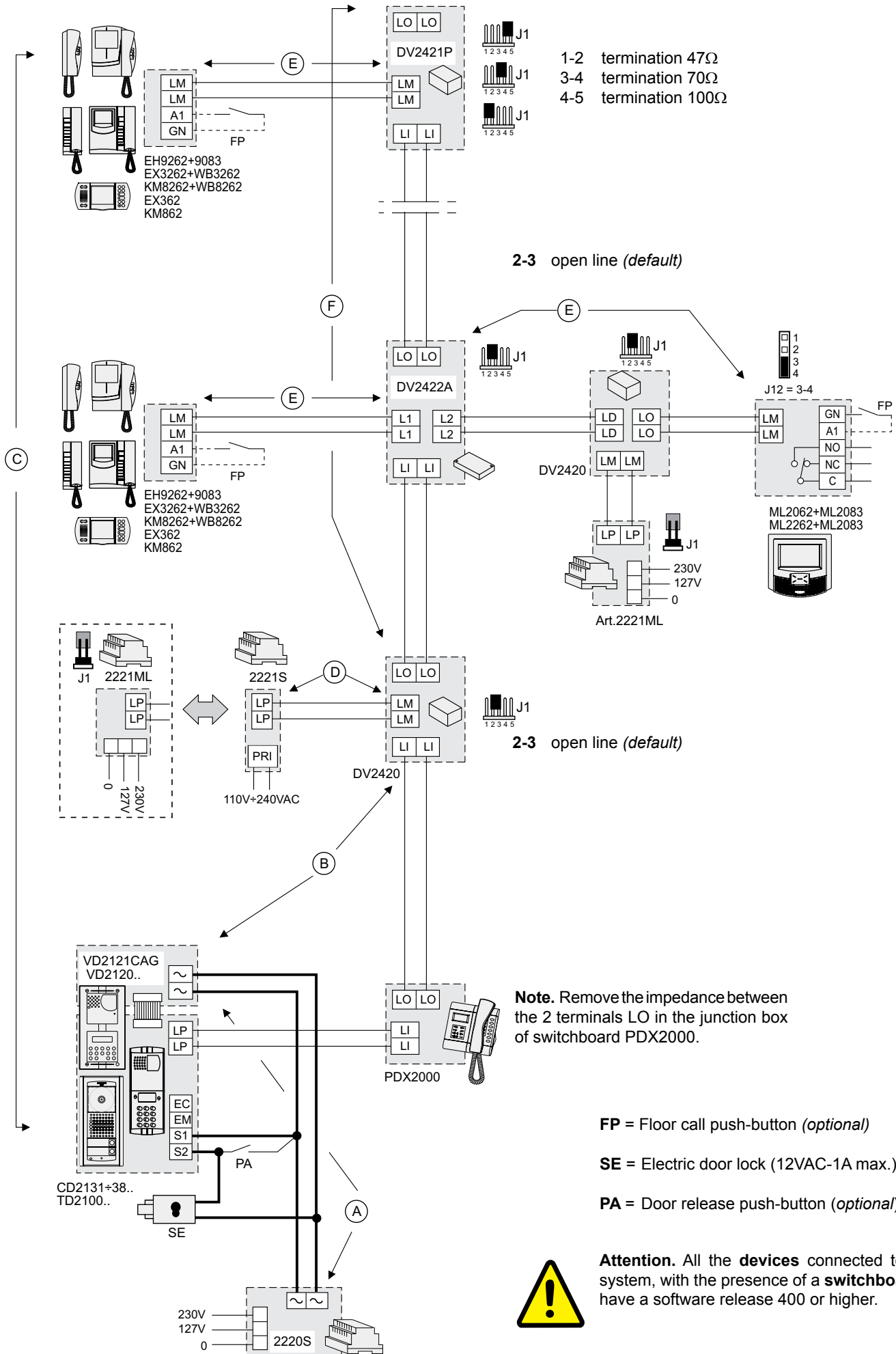
12Vac; 12+24Vdc - 1A

By applying a self-powered ringer between terminals C and NO it is possible to drive to another room the calls received by the switchboard.

- Contacts C and NO of the relay are open in idle state and closed in activation mode.
- Contacts C and NC of the relay are closed in idle state and open in activation mode.

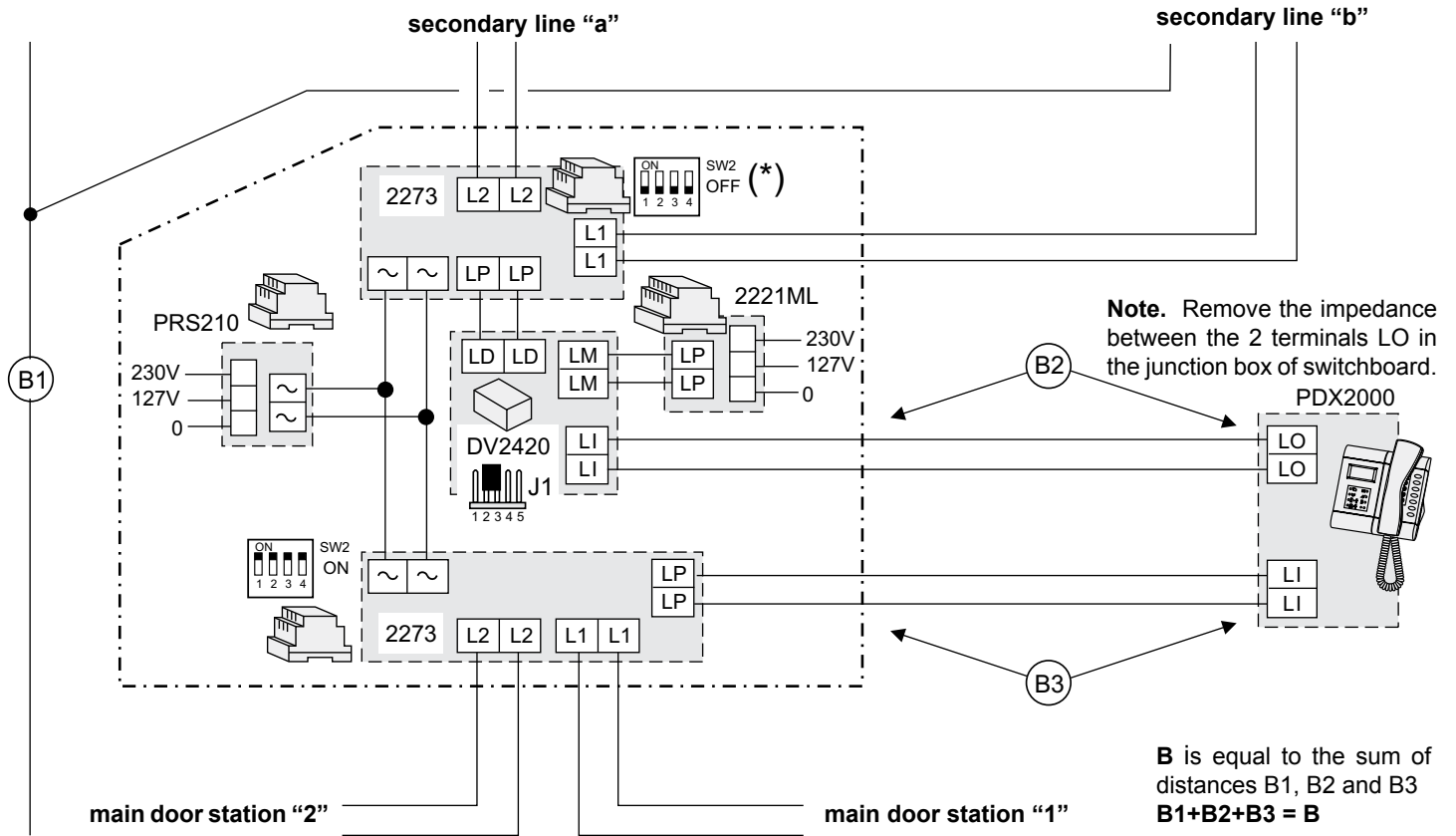
It is possible to program the ON time of the relay, acting in the proper submenu in the "advanced settings" menu.

INTERCOM-VIDEOINTERCOM MULTI WAY SYSTEM WITH 1 MAIN DOOR STATION AND A SWITCHBOARD



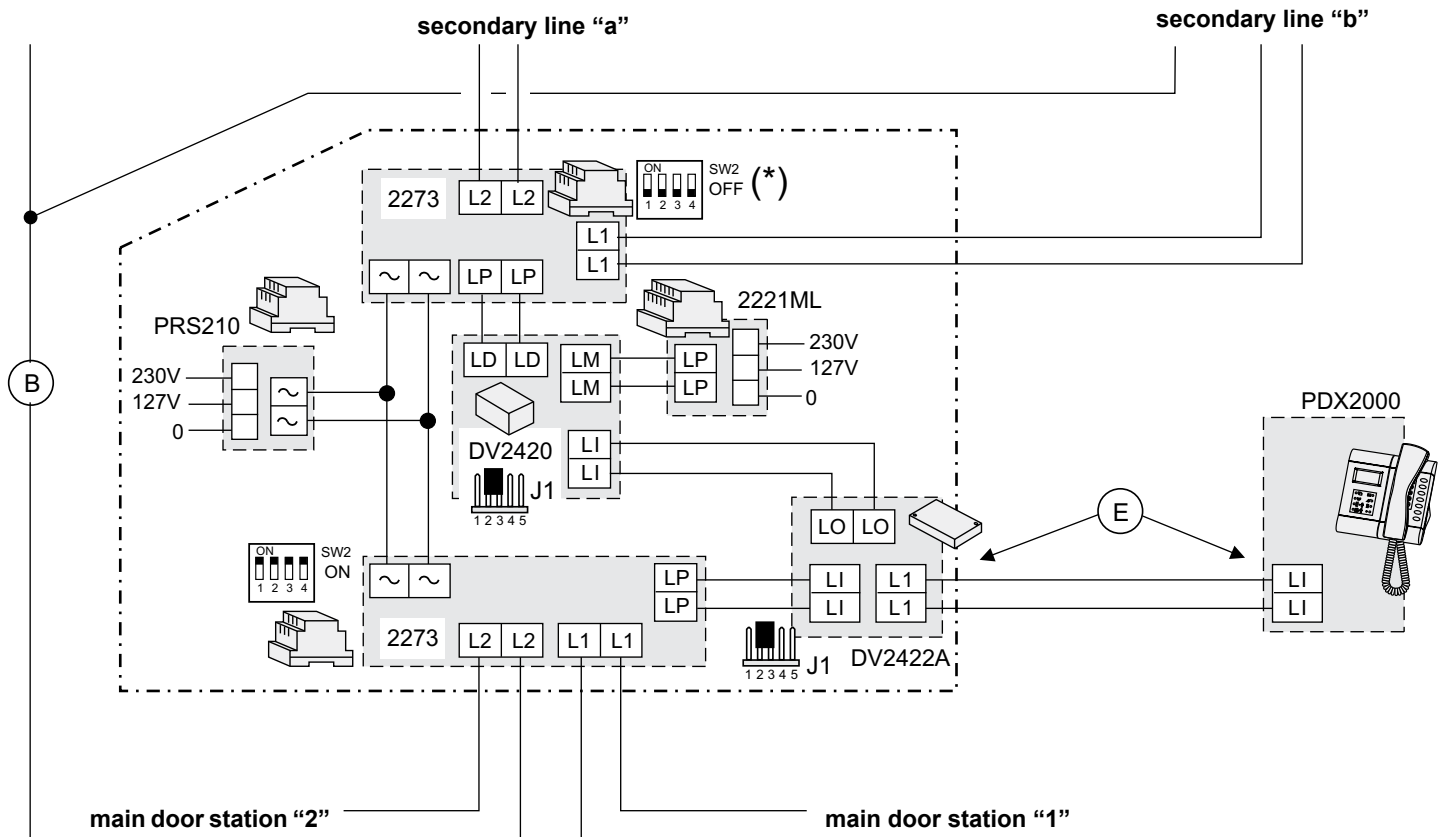
CONNECTION OF A SWITCHBOARD IN A MULTI WAY SYSTEM WITH 2 SECONDARY LINES CONNECTED TO 2 MAIN DOOR STATIONS.

Example 1. Serial connection of the DUO line to the exchanger switchboard.



Note. Circled letters are diagram reference for the computation of the distances (see conductor table on page 6).

Example 2. Connection of the switchboard to the DUO line using a line distributor DV2422A



Operating functions

The switchboard can operate in the following operating mode: OFF, ON and Direct Call.

Switchboard OFF (night)

Switchboard is not operative while the other devices of the system still continue to work as intended. All the call directed to the switchboard will be lost.

Switchboard ON (day)



All the call either originated by the door stations or by internal users are intercepted by the switchboard except those made by the secondary door stations which can be managed by a secondary switchboard (if present in the installation).

Direct Call


Enabling this function all the call originated by the door stations are diverted directly to the internal users without being intercepted by the switchboard. Switchboard will handle only the **call from internal users** and is able to **manage bookings** and **make an inclusions** to a communication in progress.

Operating instructions


Power-OFF

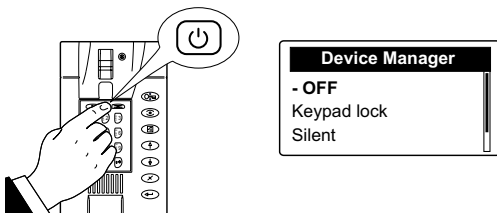
Keep pressed the  button until the switchboard switches OFF or when the "device manager" menu appears select power "OFF" and then press . Already stored bookings will not be lost.

Power-ON




Keep pressed the button  for some seconds, the switchboard powers ON and starts to operate according to the previous settings.

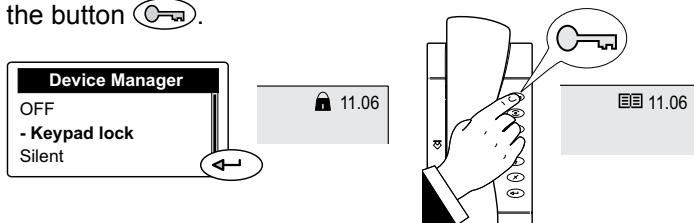
Device manager

When the switchboard is ON, pressing shortly the button  to display the "Device Manager" menu; in the menu are listed the following functions: Power-OFF, keypad lock, ringer tones OFF, ringer tones ON and software release.








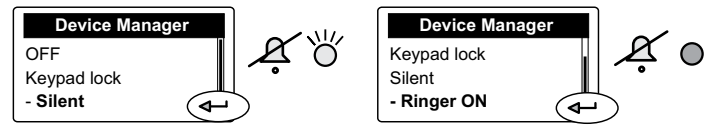
Keypad lock

Activating this function, the keypad of the switchboard is locked, it is only possible answer to the incoming calls from door stations or internal users. In "Device Manager" menu select "keypad lock" and press ; on the display will appear . To unlock the keypad press for several seconds the button .





Ringer tones OFF and ON

To set OFF (or ON) all the ringer tones of the switchboard it is necessary: - access the menu "Device Manager" by pressing shortly the button  - select "Silent" - press ; LED  will light-ON. To activate again the ringer tones select "Ringer ON" and press ; LED  switches-OFF.








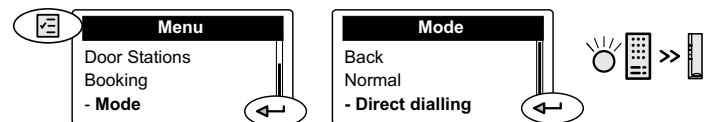
Release Software

To display the software release of the switchboard select "release" and press . To exit this page press .

Operating Modes






Enable Direct Call

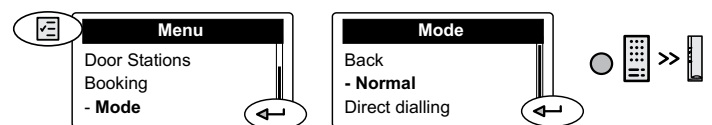
To enable the Direct Call function it is necessary: press  - select "Mode" - press  - select "Direct dialling" - press ; LED  >>  will light-ON showing that the Direct Call function has been activated



Note: in case of power failure or switching-OFF the switchboard, the function **Direct Call** remains stored and will be activated again at the next power-ON.


Back to the operating mode "DAY"

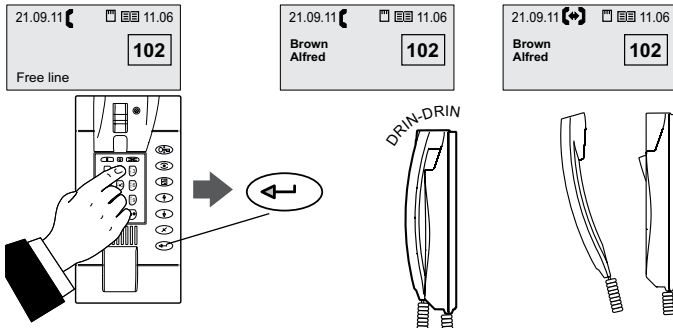
To disable the Direct Call function and operate in "DAY" mode it is necessary: - press  - select "Mode" - press  - select "Normal" - press ; LED  >>  switches-OFF.



Operations





Make a call from Switchboard

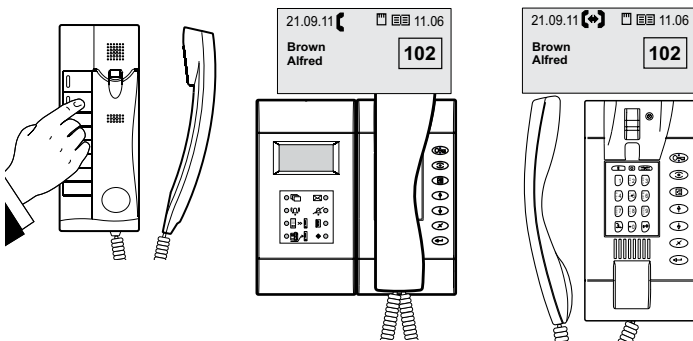
To make a call from the switchboard to an internal user it is necessary to dial the number of the required user using the keypad or select the name of the required user from the directory (see chapter "directory") and then press .





Call the switchboard

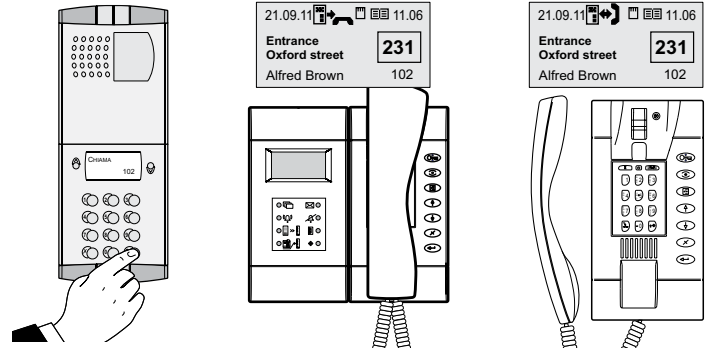
To call the switchboard from an internal station, it is necessary:


- pick-up the handset (or press the  button with "Echos" series);
 - if the line is free you will get a dialing tone
 - if the line is busy you will get a busy tone
- press the button on which the address of the switchboard has been stored
 - if, after about 30 seconds, switchboard operator does not answer or if it rejects the call, automatically the call will be stored in a booking queue
 - if the line is busy immediately the call is booked on the switchboard and an acoustic tone will be heard
 - if the line is free, switchboard starts ringing and its display shows the name and the address of the calling user; LED  and  light-ON.
- pick-up the switchboard handset within 30 seconds to answer the call. Communication time is about 90 seconds and during the last 10 seconds an acoustic tone will remind the communication time is going to expire; if some extra time is necessary press twice the button .





Call from door station










Making a call from a door station, the switchboard will ring with the programmed ringer tone (see "select ringer tones" chapter), the display will show the name and the address of the calling door station and of the user the caller is looking for; LED  will lights-ON indicating the incoming call. Pick-up the handset to talk with the door station, press the button  to release the lock. Communication will last after 90 seconds or replacing the handset.

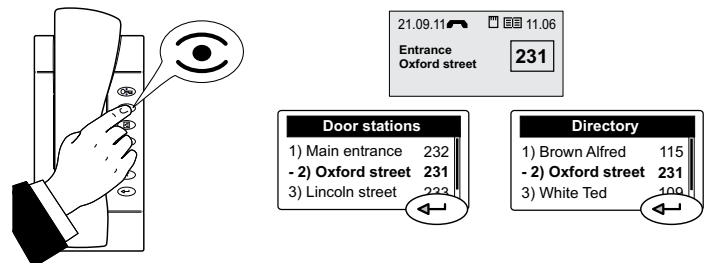


Note. If, when the door station makes a call, the switchboard is engaged in a communication with another user or there is a communication on "hold" or there is communication between two internal users, the switchboard will ring only with a single tone and LED  lights-ON for all the time of the call. To communicate with the door station it is necessary to close all the communications in progress.

Connection of the switchboard to the door stations

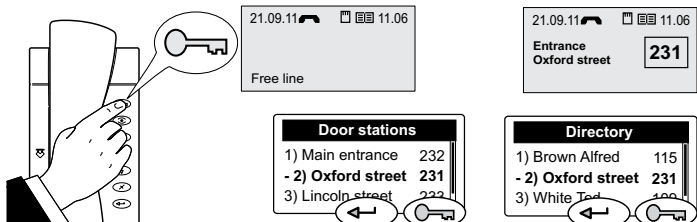
At any moment it is possible to monitor the door stations pressing the button . If in the installation there are more door stations, pressing the button  the switchboard will be connected with the last door station which has made a call. For a selective connection with a specific door station it is necessary to operate as described in the following:

- pick-up the handset, dial the address of the door station you want to monitor (e.g.:231) and press  to be connected only video with the door station (press  or replace and pick-up again the handset to activate also the audio)
- pick-up the handset and dial the address of the door station you want to monitor (e.g.:231), press  to be connected audio and video with the door station
- with the handset on-hook, select the requested door station from the **door stations** list. Press  - select "Door stations" - press  - select the requested door station from the list - press , you get only the video (to enable the audio pick-up the handset)
- With the handset on-hook select the door station from the **directory**. Press  - select "Directory" - press  - select the requested door station from the list - press , you get only the video (to enable the audio pick-up the handset).



Door lock release

At any moment the lock of a door can be released by pressing the button . If more than one door is present in a system, pressing , you will release the lock of the door whose door station is actually in communication with the switchboard, or, if any communication is in progress, you will release the lock connected to the last door station which has made a call. To release selectively the lock, follow the same procedure described in the "Connection of the switchboard to the door stations" chapter and after getting audio and video communication (not only video) press the button and .



Hold state

While the switchboard is in communication with an internal user or a door station it is possible to hold the communication by pressing the button . The details of user or door station on hold will be transferred to the bottom of the display and flashing; the internal user or door station on hold will get an acoustic or visual signalling. To resume the communication, press again .

Communication between two internal users

While the switchboard is in communication with an internal user it is possible to connect him with another internal user for a period of 60 seconds (which can not be extended) following the below procedure:

- press the button ; user actually in communication with the switchboard will be put on hold receiving a tone on the handset
- dial the address of the second internal user you want to call (or select him from the directory)
 - if the second user do not answer, press to resume the line or wait for 30 seconds the call will last; press to talk again with the first user on hold
 - if the second user answers, but do not wishes to talk with the other user, wait the user replace the handset or press to close the call and get the line; press again to resume the first user on hold
 - if the second user answers and wishes to talk with the other user, press button ; on the display of the switchboard, until the communication lasts, appears the details of the two users in connection.

Attention. In some particular installations this feature can not be guaranteed for all the users.

To interrupt a communication between to users see chapter "Inclusion".

External to Internal Communication

While the switchboard is in communication with a door station it is possible to transfer the call to an internal user for 60 seconds (which can be extended) following the below procedure:

- press the button ; door station actually in commu-

nication with the switchboard will be put on hold

- if the address of the internal user which is displayed is correct press

- if it is wrong press to erase it and dial the correct address (or select him from the directory)

- if the called user do not answer, press to resume the line or wait for 30 seconds the call will last; press to talk again with the door station on hold

- if the called user answers, but do not wishes to talk with the person asking for him at the door station, wait the user replace the handset or press to close the call and get the line; press again to resume the door station on hold.

- if the called user answers and wishes to talk with the person asking for him at the door station, press button ; on the display of the switchboard, until the communication lasts, appears the details of the door station and the internal user in connection.

To interrupt a communication between the door station and the internal user see chapter "Inclusion".

Inclusion



While a communication between two internal users or between a door station and an internal user is in progress the switchboard operator can include into the conversation by picking-up the handset and pressing the button . During the inclusion, a background tone will warning that a third person is listening.

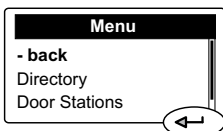
To exit from the inclusion mode switchboard operator has to replace the handset.

To release the line switchboard operator can also interrupt the communication making first an inclusion (by pressing button than pressing again the button , selecting YES in the submenu which appears on the display and finally pressing .

Menu




Pressing this button you will access to the settings, programming and operating modes of the switchboard:

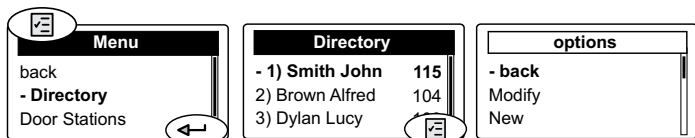
Directory, Door Stations, Booking, Operating modes and Settings. To access to the submenus uses the buttons  and confirm by pressing .




Directory

In the Directory can be stored up to 300 names of users or door stations with their addresses (e.g. *Alfred Brown 104; Entrance Oxford St.231*). To access the directory it is necessary:

- press the button  - select "directory" - press  (all the names stored in the directory will be displayed in alphabetic order, or you get a blank page if any user has been previously stored) - press  - you access the following functions: Modify, New, Delete, Sort by Name, Sort by address, List, Details, Export, Import.








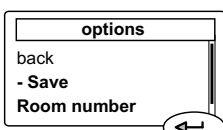
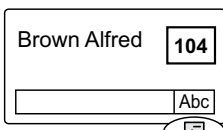
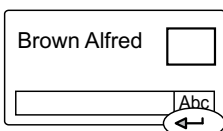
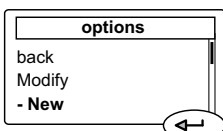
Note. While entering or modifying a name it is possible to change the character's type by pressing the button .

Entering names and addresses

To enter the user's names or the door station's identification names you can use either the alphanumeric keypad or a memory card (see chapter "Import/export of names").

To enter the names by the keypad follow the below instructions:










- after entered the directory menu as described previously select "New", press , enter the user's or door station's name (e.g. *Alfred Brown*) using the alphanumeric keypad; in case of typing error, place the cursor on the right of the wrong character and press  to erase it;
- press  to confirm e move to enter the user's address. **Attention:** the address to enter must correspond to the address stored into the device to be called (Mr. Alfred Brown's intercoms or videointercoms address e.g. *104*)
- after having entered the user's address press , select "Save" and press  to store the user into the directory.







To add other users to the directory repeat the previously described operations.

If it is necessary to store two users with the same address (wife and husband; professional office and apartment) it is sufficient to create two different users with different name but with the same address.


Modify a user's name or user's address

In the directory select the requested user - press  - select "modify" - press  - using the button  place the cursor to the last character of the name to be modified - press several times  to delete all the characters of the name - enter the new name - press  - cursor automatically moves to the address box - press  to erase the address - enter the correct address - press  - cursor moves to a small box on which there is written the number "0" (do not change it; only in some specific cases it is possible to change this number) - press  - select "Save" - press ; changing is automatically stored and you will be back to the directory list.




Delete a user

In the directory select the user to be deleted - press  - select "delete" - press  - with the button  select **Yes** - press ; user is automatically deleted and you will be back to the directory list.

Sorting of user's names


Select the sorting you like ("by name" or "by address") than press  you will be back to the directory list sorted according to your chose.

Display of users

The users can be displayed like a list or one by one in details. Make the choice and press  to be back to the directory. In both cases to move from one user to another you have to use the button  and .

Import/Export of users to/from the directory


To load in a quick way the directory it is possible to use a personal computer and a very common writing program like Block Notes, Word pad or similar. Users must be written in the following way:

"User's name and surname" followed by a "semicolon" (;) "blank space" and than "user's address" (3 figures) followed by a "semicolon" (;) "blank space" and than "room number" (normally write "0", only in some specific cases this number can be changed) followed by a "semicolon" (;), than press  to insert another user.

E.g.: Alfred Brown; 104; 0;

Ted White; 110; 0;

.....

Save the file into the memory card with the name: **contacts** (pay attention that switchboard recognizes only a file named **contacts.txt**; the name of the file must be written using only lower cases letters) – insert the card into the proper socket of the switchboard – open the directory menu – press  - select "import" – on the display appears: "procedure in progress: please wait" and a loading bar will show the percentage of already loaded data. Once finished the loading procedure the system will go back to the directory.

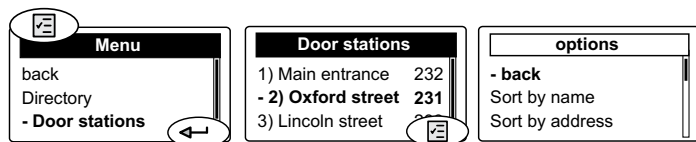
If the loading procedure doesn't start, please control for the presence in the memory card of the file: **contacts.txt** (written with lower cases letters and the extension **.txt**), please double check for the correctness of data written inside the file (see above example and take care that after the name and surname there is a **semicolon** as separator followed by

a blank space than a 3 figures address, again a **semicolon** as separator followed by a blank space and 1 figure number than a **semicolon** as separator without any blank space. Very important is that for each user there must be exactly 3 **semicolon** as separators). Finally check that the program used to write the file will create a standard **.txt** file.

To download the directory to the memory card, select "export". Wait the end of downloading to remove the memory card from the socket. Switchboard will create in the memory card the file **contacts_ddmmyyy.txt**, where dd is the current day of the month, mm is the current month of the year and yyyy are the current year.

Door stations

Selecting "Door Stations" and pressing you will access the list of door stations of the system (if previously stored in the directory). Press to access the submenu where it is possible to choose the sorting mode of the list (same procedure described in the chapter "directory") or press to connect to the selected door station (as described in the chapter "Connection of the switchboard to the door stations").



Attention. The list of door stations of the system is automatically created from the users stored in the directory. All the users with addresses from 231 to 250 will be considered as door stations.

Booking management

The presence of a booking queue in the switchboard is indicated by the flashing LED .

To display the booking list it is necessary:

- press the button - select "Booking" - press ; the booking list will be displayed with the details of the user's address, date and hour of calling;



- pick-up the handset and press to call the currently selected users from the booking list
 - if the user doesn't answer he remains booked
 - if the user answers the booking will be cancelled.

At the end of conversation replace the handset.

To cancel a booking without calling back the user it is necessary:

- select the user's name from the booking list - press
- select "delete" - press - using the button select "Yes" - press .

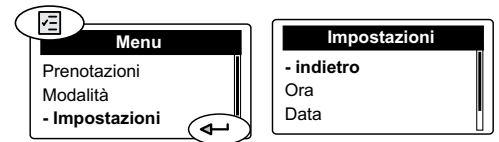
To exit the booking menu press the button - select "back" or "exit" - press .

Operating Mode

You access the operating modes of switchboard ("day" or "direct calling"). See "enable direct call" and "back to the operating mode - day".

Settings

In this menu it is displayed the list of settings. Time, Date, Language, Ringing Tones, Ringing Volume, Backlighting, LCD Contrast and Advanced Settings.



Time

Select "Time" and press - with the keypad enter the actual hour - press - with the keypad enter the actual minutes - press - select "save" - press - the new time is stored and you will be back on the previous page.

10 : 44

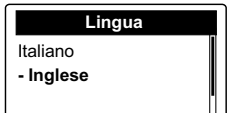
Date

- Select "Date" and press - with the keypad enter the actual day of the month - press - with the keypad enter the actual month of the year - press - with the keypad enter the two last figures of the actual year - press - select "save" - press - the new date is stored and you will be back on the previous page.

27 . 09 . 11

Language

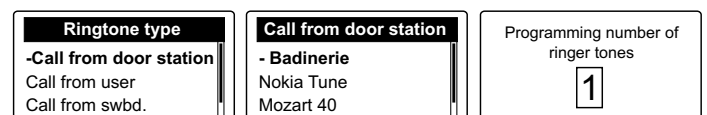
- Select "Language" and press - from the list select the desired language (from the factory it is selected Italian) - press - select "save" - press - the new language is stored and you will be back on the previous page.



Select ringing tones and number of ringing

Switchboard can receive 4 different kinds of call (call from door station, call from user, call from another switchboard and local call using a button connected between GN and A1). Operating in the following way it is possible to select a different ringing tone for each call:

- select "Ringing Tones" and press - from the list select the kind of call which you want to change - press - you will hear the actual ringing tone, from the list select the desired ringing tone - press - you access a page on which is written the actual number of ringing, if you want to change it erase the actual number and enter, with the keypad, the new number (from 1 to 9) - press - select "save" - press .



Ringing Volume

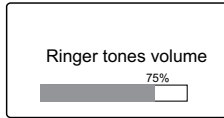
Ringing volume is the same for all the kind of calls.

- To adjust it select "Volume" and press

← - an adjusting bar is displayed on the screen - with the buttons ↑ or

↓ adjust the volume - press ←

- select "save" - press ←.



Ringing Tones can be disabled choos-

ing the lowest level of volume in this menu or directly from the Device Manager menu.

Ringing volume can be also momentarily adjusted acting on the buttons ↓ or ↑ while receiving a call.

Display Backlighting

Select LCD Backlighting - press ← -

chse the desired color from the list or

create a new color - press [Menu] - select

"save" - press ←.



Display Contrast

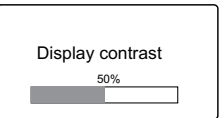
Select LCD Contrast - press ← - an

adjusting bar is displayed on the screen,

adjust the contrast of LCD acting on the

buttons ↓ or ↑ - press [Menu] -

select "save" - press ←.



Advanced and System settings

Advanced and system settings are **fundamental** for the correct working of the system, therefore they are accessible only entering a 4-digit password. From the factory the **password is 1234**. It is advisable to change it with a personal one (see chapter "Password changing").

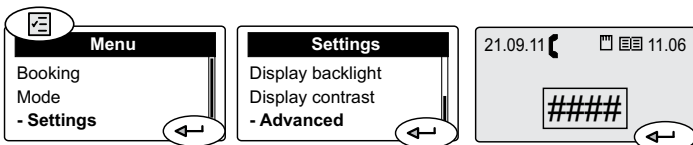
Attention. It advisable to write down the new password and keep it in a safe place; If you lose the password you must ask a new one directly to ACI FARFISA.

Advanced

To access the advanced menu you should:

Press [Menu] - select "settings" - press ← - select "advanced"

- press ← - enter the 4-digit password - press ← - the following functions will be listed: Password, Relay mode, Relay timing, Restore factory settings, Clear all bookings, Delete list, Recovery Directory.



Changing Password

To change the password it is necessary: - select "Password"

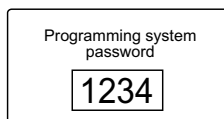
- press ← - press X to erase the

actual password - enter the new 4-digit

password - press ← - select "save"

- press ←.

New password in now stored.



Operating mode of the internal relay.

Relay inside the switchboard (terminal boards C, NC, NO) can be used for:

- **additional ringer** for the incoming calls, a lamp signaller can also be driven

- **power-ON a CCTV monitor** only during the calls from the door stations

- **bistable relay** operated by the button [Relay]; when the relay is activated the LED [LED] will light-Up

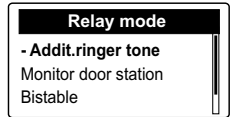
- **monostable relay** operated by the button [Relay]; when the relay is activated the LED [LED] will light-Up, timing of relay should be set according the instructions of chapter "Timing of internal relay".

To set the operating mode it is neces-

sary: - select "Relay mode" - press ←

- select the requested mode - press ←

- select "save" - press ←.



Timing of internal relay

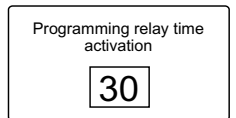
To set the activation time of relay, only when the relay operates as "additional ringer tone" and "monostable", it is necessary: - select "Relay timing" - press ← - press

X to erase the previous programmed

activation time - enter the new activation

time in seconds (from 1sec to 99 sec.) -

press ← - select "save" - press ←.



Factory settings

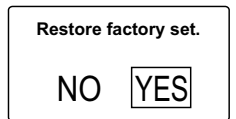
To restore the factory settings and reset all the data previously programmed (except the directory) it is necessary:

-select "Restore factory settings" - press

← - select **YES** to confirm or **NO** to

exit - press ← - select "save" - press

←.



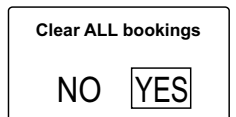
Clear all bookings

To cancel all the booking queue:

-select "Clear all bookings" - press ←

- select **YES** to confirm or **NO** to exit -

press ← - select "save" - press ←.



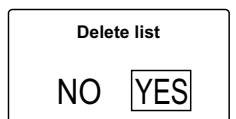
Erasing completely the directory

To completely erase the directory:

-select "Delete list" - press ← - select

YES to confirm or **NO** to exit - press ←

- select "save" - press ←.



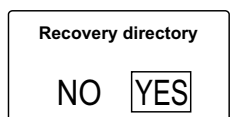
Restoring the users' in the directory

To restore the last erased directory:

-select "Recovery directory" - press ←





- select **YES** to confirm or **NO** to exit -

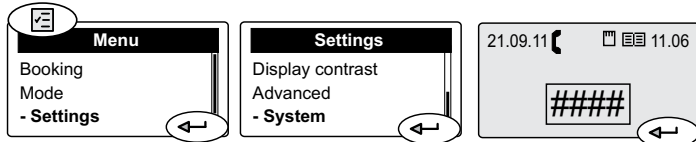
press ← - select "save" - press ←.







System

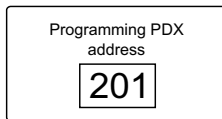
Attention. In this submenu there are some parameters whose changing can affect the correct operation of the system. It is necessary to modify these parameters only if in the system there is more than one switchboard. If in the system there is only one switchboard do not modify any parameter. To access this submenu it is necessary:

- press  - select "settings" - press  - select "system" - press  - enter the 4-digit password - press 
- the following functions will be listed: PDX address, PDX hierarchy, PDX type.



PDX address

To change the PDX address, it is necessary: select "PDX address" - press  - press  to erase the previous address of the switchboard (*from the factory 201*) - enter the 3-digit new address (*allowed addresses from 201 to 210*) - press  - select "save" - press .






Attention. Internal users must have on their intercom or videointercom a button coded with the same address of the switchboard.

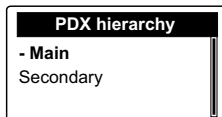
PDX Hierarchy

If in an installation there is one or more switchboards on the main line and other switchboards in one or more secondary lines it is necessary to set each of them according to the following instructions:

- set as "**Main**" those connected to the main line
- set as "**Secondary**" those connected to the secondary lines

From the factory all the switchboards are set as "Main".




Once in the PDX hierarchy menu - press  - select "Main or Secondary" - press  - select "save" - press .

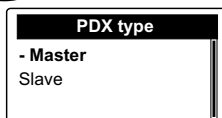


PDX type

If in an installation there are more switchboards at the same hierarchical level it is necessary to set one of them as "Master" and the others as "Slaves" (for secondary switchboards this setting is required only for those connected to the same secondary line; more switchboards connected to a different secondary lines doesn't require to be set as "Master" and "Slave", on the contrary all of them must be set as "Master").

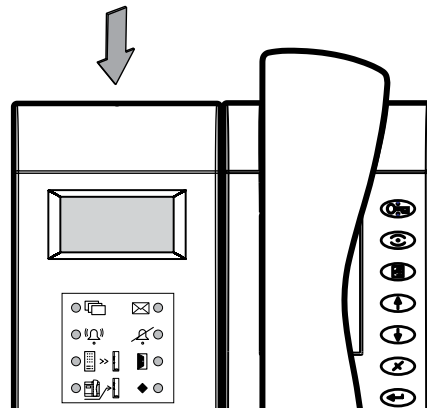
From the factory all the switchboards are set as "Master".

Once in the PDX Type menu - press  - select "Master or Slave" - press  - select "save" - press .



Reset

Reset button is placed on the top of switchboard and can be operated only with a small stylus. To reset the switchboard keep pressed it for some seconds (avoiding to make an excessive strength), the switchboard will reboot soon without losing any data.



Software updating

By means of the memory card it is possible to load in the switchboard memory new software releases which can be downloaded from the web site www.acifarfisa.it.

To upgrade the software release act as in the following:

- load the new software release into a memory card;
- insert the memory card in the proper socket located on the bottom of switchboard;
- press reset button (use a suitable stylus and do not make an excessive strength). Switchboard will reboot loading the new software version in a few seconds without losing any data or settings previously stored.



CERTIFICATO DI GARANZIA
(condizioni valide solo per il Territorio Italiano)

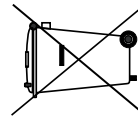
La garanzia ha la durata di **24** mesi dalla data di acquisto, accertata o accertabile, e viene esercitata dalla Ditta rivenditrice e, tramite questa, dai Centri Assistenza Tecnica Autorizzati ACI Srl Farfisa Intercoms.
La garanzia deve essere esercitata, pena la decadenza, entro **otto** giorni dalla scoperta del difetto.

LA GARANZIA NON E' VALIDA SE NON DATATA E VIDIMATA CON TIMBRO E FIRMA DEL RIVENDITORE ALL'ATTO DELL'ACQUISTO. CERTIFICATO UNICO ED INSOSTITUIBILE.

MATRICOLA - SET NUMBER - MATRICULE APPAREIL -
N° MATRICULA - N° DE MATRICULA - SERIENNUMMER

DATA DI ACQUISTO - DATE OF PURCHASE - DATE D'ACHAT -
FECHA DE COMPRA - DATA DE COMPRA - EINKAUFSDATUM

TIMBRO E FIRMA DEL RIVENDITORE
DEALER'S NAME AND ADDRESS
NOM ET ADRESSE DU REVENDEUR
NOMBRE Y DIRECCION DEL DISTRIBUIDOR
CARIMBO E ASSINATURA DO REVENDEDOR
STEMPEL DES HÄNDLERS



Smaltire il dispositivo secondo quanto prescritto dalle norme per la tutela dell'ambiente.
Dispose of the device in accordance with environmental regulations.
Écouter le dispositif selon tout ce qu'a été prescrit par les règles pour la tutelle du milieu.
Eliminar el aparato según cuánto prescrito por las normas por la tutela del entorno.
Disponha do dispositivo conforme regulamentos ambientais.
Werden Sie das Gerät in Übereinstimmung mit Umweltregulierungen los.

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