Videx 3176

Terminals

L   Bus Line
-      Bus Line
LD-   Door Open LED PSU
LD+   Door Open LED PSU
LB   Local Bell Input
AL   Alarm Input

IMPORTANT NOTE :

1) Before replacing the handset make note of the wires to each terminal on the existing unit (an easy way is to cut each core off leaving a piece of the insulation in place with colour visible) twist unused cores together (so you know they are not used, <u>do not</u> short them out).

2) Some older systems will have cable with one coloured core and a solid white core in this case mark each core with a marker or tape.

3) Some systems may have <u>loop on wiring</u>, you will have 2 cables into your handset (make sure any joins remain, as these may be serving other flats on the system).
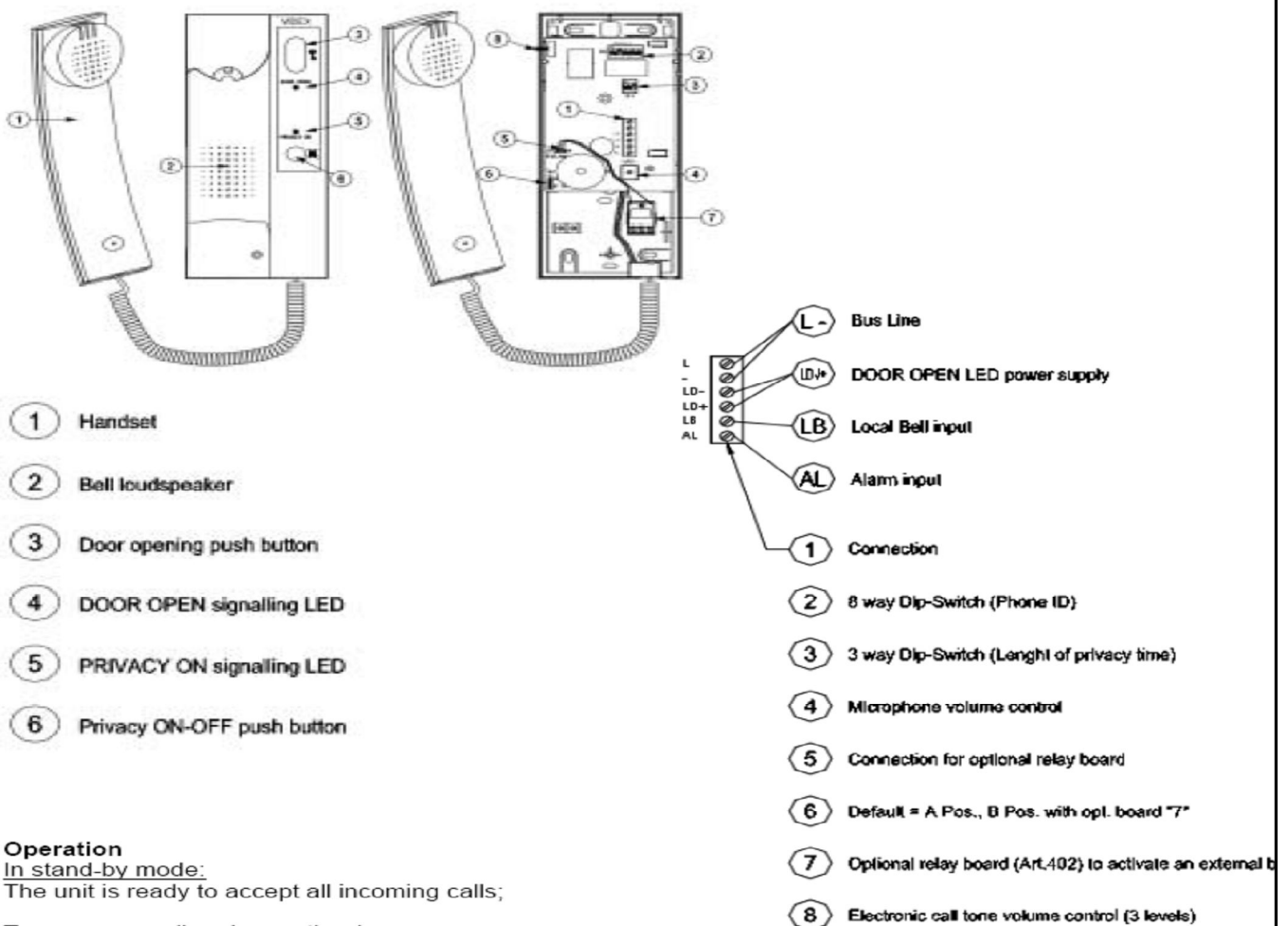
Description

The Art.3171 is a digital intercom based on the "**2 Wire BUS**", it includes a door-open button and a service button plus an electronic call tone with a 3 level volume control which can be adjusted by the user. Internally, the intercom, has an 8 way dip-switch to set the PHONE ID, a terminal board with 6 terminals for connection to the bus and other connections and a trimmer (VR1) to adjust the microphone volume. With the 3000 series it is possible to connect up to 180 intercoms on the same system. If required it is possible to give the same address for a max. of 3 intercoms (for applications that require more units in the same apartment). The door-open push button on the Art.3171 is also the "call to concierge" (if present), while the "●" push button shorts terminals "**SW SW**" (Max 30Vac/dc 200mA) when pressed.

The Art.3172 is the same as the Art.3171 with the addition of a privacy switch which activates the "**privacy mode**" (the user can't receive incoming calls).

The Art.3176 is similar to the Art.3172 but the "**privacy mode**" is activated by pressing the 🔀 push button. It is signalled by the red led "privacy on" and its duration (except when the same push button is pressed again) depends on the 3 way dip-switch (housed inside the intercom). The Art.3176 doesn't have the service push button but it has a green "door open" led to give the user a visual indication of whether the door is open or closed: to use this service, an additional wire is required from a door contact to the intercom.

All 3 models of intercoms allow the connection of an optional relay board Art.402, for the activation of an external sounder instead of the internal one: the board is housed inside the intercom, connected to the JP2 (red wire on "+" side) and the JP1 jumper (normally on A position) must be moved to the "B" position.

Art.3176

(1) Handset

(2) Bell loudspeaker

(3) Door opening push button

(4) DOOR OPEN signalling LED

(5) PRIVACY ON signalling LED

(6) Privacy ON-OFF push button

(L-) Bus Line

(LD+) DOOR OPEN LED power supply

(LB) Local Bell input

(AL) Alarm input

(1) Connection

(2) 8 way Dip-Switch (Phone ID)

(3) 3 way Dip-Switch (Lenght of privacy time)

(4) Microphone volume control

(5) Connection for optional relay board

(6) Default = A Pos., B Pos. with opt. board "7"

(7) Optional relay board (Art.402) to activate an external b

(8) Electronic call tone volume control (3 levels)

Operation

In stand-by mode:
The unit is ready to accept all incoming calls;

To answer a call and open the door:
Pick the handset up and speak with the visitor (or concierge); press the "**Key**" button (if it is an external call) to open the door (an acoustic signal will be emitted and the door will be opened for the time programmed) or replace the handset to end the conversation; if the call is local (local bell), the call tone will have a different tonality from the main one.

To call the Concierge Unit (if present and only VX2210-1 version):
With the handset replaced, press the "**Key**" button and wait: the call is booked on the concierge and will be answered at the discretion of the operator;

To activate the service relevant to the ● push button (except the Art.3176):
Press the push button and the connected service will operate. Making some simple connections. It is possible to use this push button as an "alarm" push button: make a short between one of the "**SW**" terminal and the "-" terminal and then connect the free "**SW**" terminal to the "**AL**" terminal. The signal generated will be received by the concierge and/or by the Art.512DR to activate an additional service.

To select the desired melody:
1. Keep the "**key**" button pressed until (after about 10 seconds) the intercom plays the active melody; at the end of melody play, the intercom will emit a beep (end of play);
2. Listen to the available melodies(by pressinng and releasing the "**key**" button).
3. After the end of play beep if you don't press the "**key**" button within 3 seconds, the last melody heard is selected.

The selected melody will play the number of times (3 or 6) programmed

To switch on the privacy mode:
- For the Art.3172 put the switch into the ON position. The small window over the switch will be RED;
For the Art.3176 press the push button marked as ⚒; the red LED "privacy on" will illuminate.

Programming

Programming is carried out by setting the internal 8 way dip-switch to the positions shown on the decimal/binary conversion table of this manual.
For the Art.3176 it is necessary to additionally set the internal 3 way dip-switch, to set the duration of the privacy time, shown on the table below.

DIP SWITCH S1			Time	DIP SWITCH S1			Time
1	2	3		1	2	3	
off	off	off	unlimited	off	off	on	2 hours
on	off	off	15min	on	off	on	4 hours
off	on	off	30min	off	on	on	8 hours
on	on	off	1hour	on	on	on	16 hours

Set the number of rings
The standard setting is 6 rings.
Change the rings setting as follows:
- Switch off the intercom disconnecting the "**L**" wire;
- Short-circuit terminals "-"and "**LB**";
- Switch on the intercom by connecting again "**L**" wire;
- Remove the short-circuit as soon as the intercom emit the confirmation beeps:
  - if two beeps are emitted, rings are set to 6
 - if one beep is emitted, rings are set to 3

Repeat again the operation if the number of rings set is not the required one.

Connections:

L	"BUS" bus connection.
-	
LB	Local bell input (trigger to ground).
AL	Alarm input (trigger to ground). The alarm generated by this input will be sent to the concierge (if present) and will be intercepted by the Art.512DR if present and correctly configured.
SW (only 3171, 3172) SW (only 3171, 3172)	Service push button terminals
LD- (only 3176) LD+ (only 3176)	Terminals for "Door Open" led supply

Wiring Diagrams

Audio Door Entry System with 2 or more entrances (digital or functional panels)
Impianto Citofonico a 2 o più ingressi (con posto esterno digitale o tradizionale)
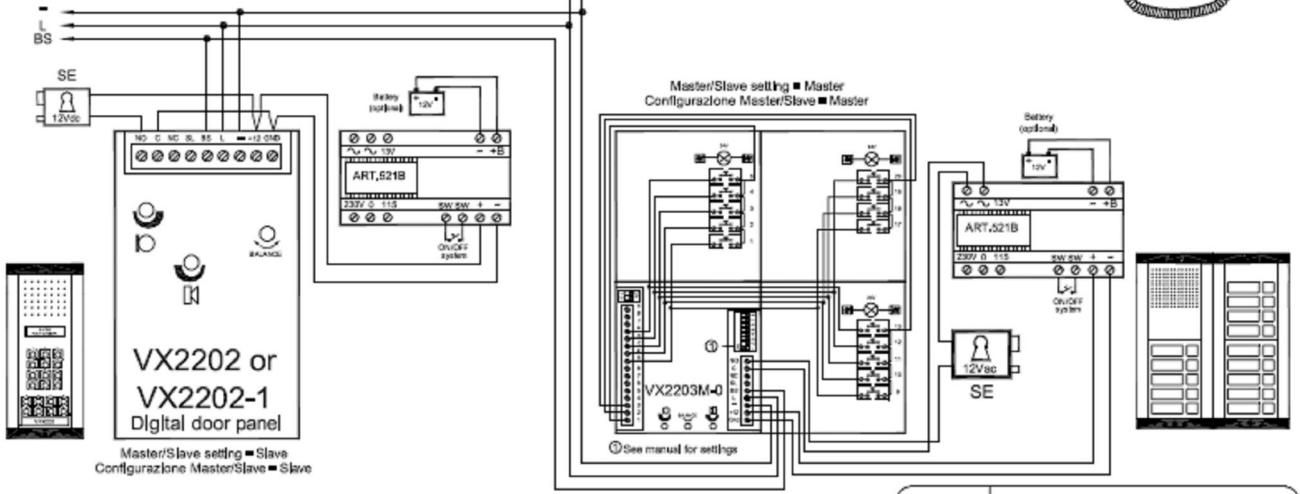

Art.3171 or 3172

Local Bell

Art.3171 or 3172

Local Bell

Art.3171 or 3172

Local Bell
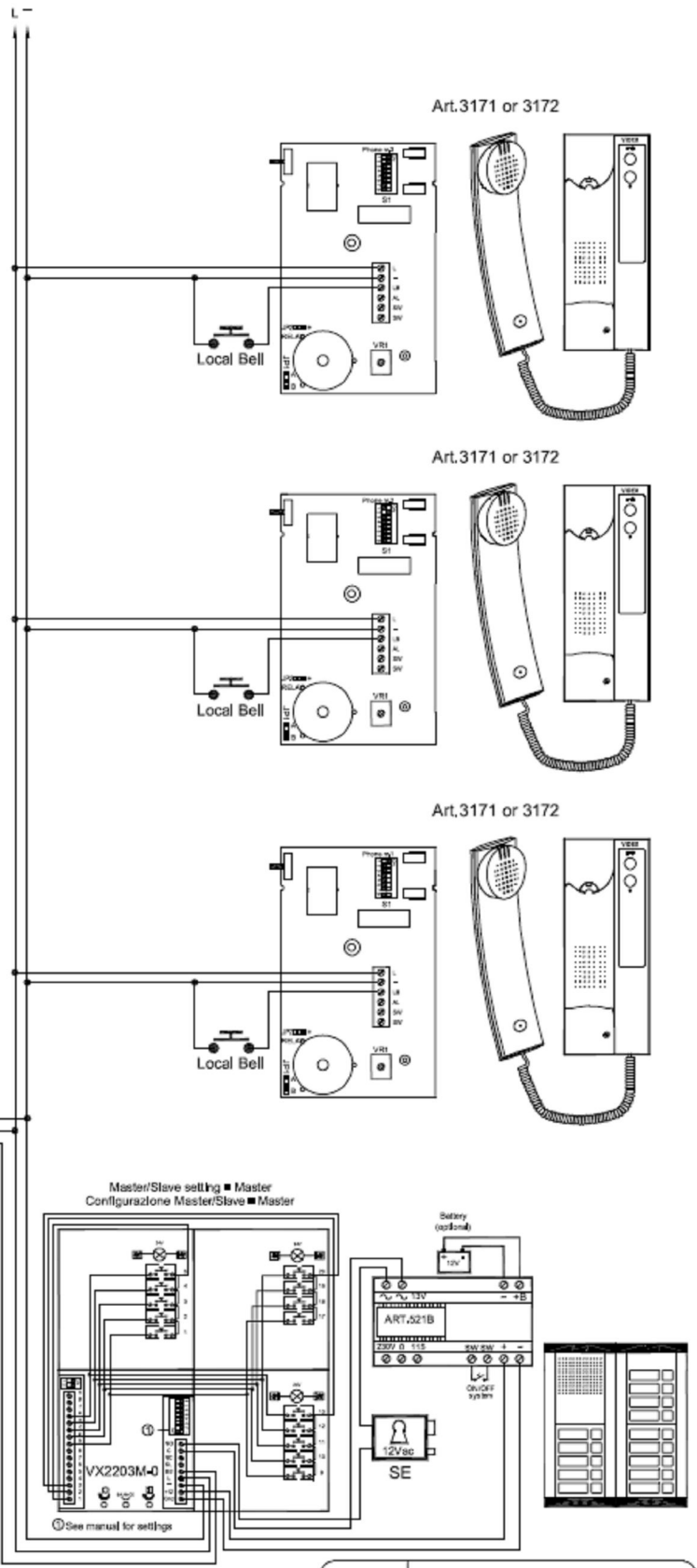
NOTES
When 2 or more outdoor station are connected in parallel,
only one of them must be set as MASTER while all others
must be set as SLAVE.

NOTE
Quando 2 o più ingressi sono collegati in parallelo, solo
uno di questi deve essere impostato come MASTER
mentre tutti gli altri devono essere SLAVE.

L
BS

SE

12Vdc

NO C NC SL BS L +12 GND

ART.521B

230V 0 115   SW 5W + −

ON/OFF
system

VX2202 or
VX2202-1
Digital door panel

Master/Slave setting = Slave
Configurazione Master/Slave = Slave

Master/Slave setting = Master
Configurazione Master/Slave = Master

Battery
(optional)

12V

ART.521B

230V 0 115   SW 5W + −

ON/OFF
system

VX2203M-0

① See manual for settings

12Vac

SE

1 Entrance Audio Door Entry System with Digital Call Panel plus isolation board
Impianto Citofonico ad 1 Ingresso con pannello di chiamata digitale piu isolatore di linea

Next devices

Art.3171 or 3172

Art.3171 or 3172

Art.3171 or 3172

Art.3171 or 3172
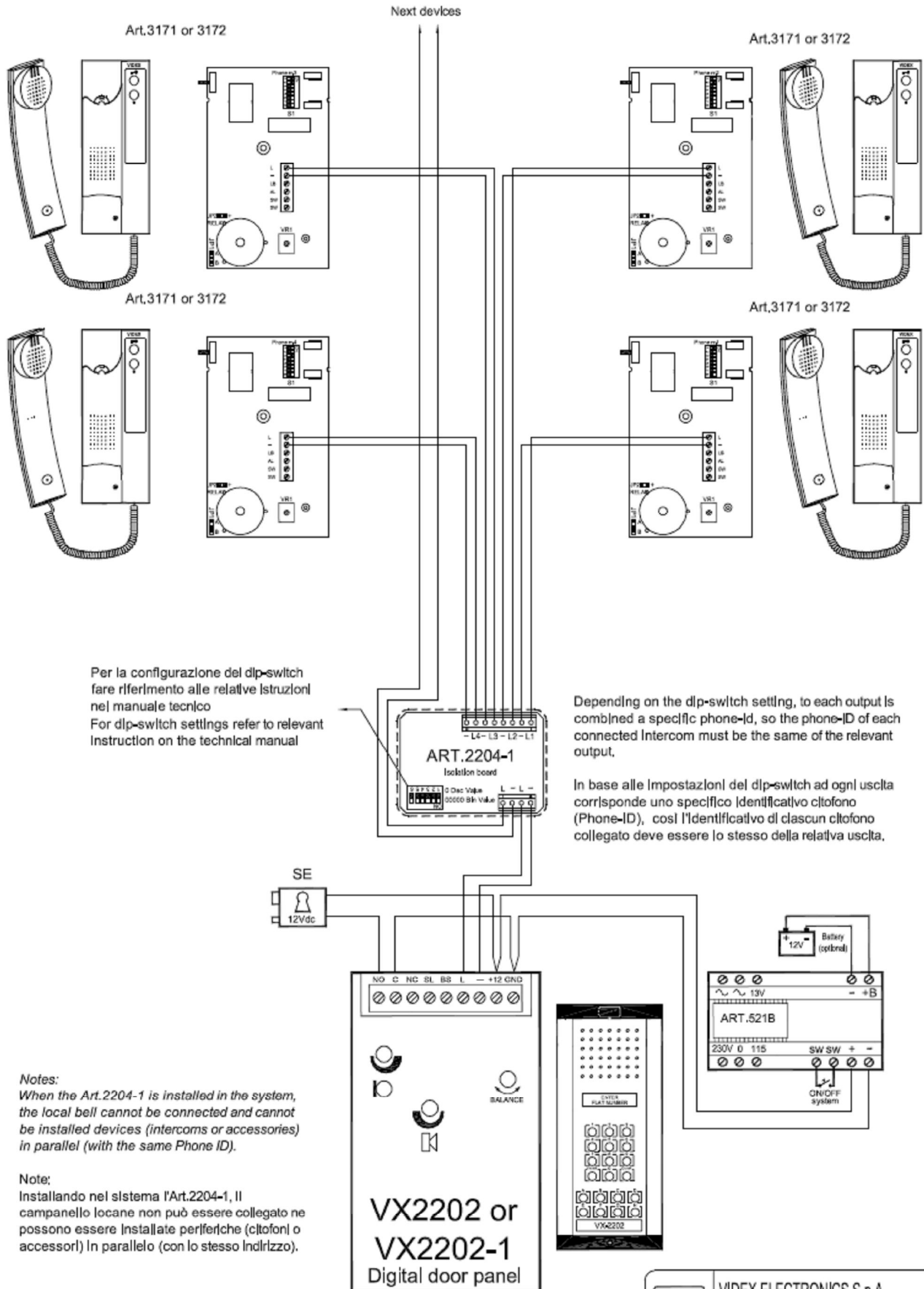
Per la configurazione del dip-switch
fare riferimento alle relative istruzioni
nel manuale tecnico
For dip-switch settings refer to relevant
instruction on the technical manual

Depending on the dip-switch setting, to each output is
combined a specific phone-id, so the phone-ID of each
connected intercom must be the same of the relevant
output,

In base alle impostazioni del dip-switch ad ogni uscita
corrisponde uno specifico identificativo citofono
(Phone-ID), così l'identificativo di ciascun citofono
collegato deve essere lo stesso della relativa uscita,

ART.2204-1
Isolation board

L4- L3 L2- L1

L – L

SE
12Vdc

Notes:
When the Art.2204-1 is installed in the system,
the local bell cannot be connected and cannot
be installed devices (intercoms or accessories)
in parallel (with the same Phone ID).

Note:
Installando nel sistema l'Art.2204-1, il
campanello locale non può essere collegato ne
possono essere installate periferiche (citofoni o
accessori) in parallelo (con lo stesso indirizzo).

NO C NC SL BS L — +12 GND

BALANCE

VX2202 or
VX2202-1
Digital door panel

Master/Slave setting = Master
Configurazione Master/Slave = Master

Battery
(optional)
12V

ART.521B

230V 0 115   SW SW + –

ON/OFF
system

2 Levels Audio Door Entry System with 1 main entrance and 2 or more secondary entrances

Impianto citofonico a 2 livelli con 1 ingresso principale e 2 o più ingressi secondari

VX2202 or VX2202-1
Digital door panel
Master/Slave setting = Master
Configurazione Master/Slave = Master

BLOCK 1

VX2202 or VX2202-1
Digital door panel
Master/Slave setting = Master
Configurazione Master/Slave = Master

MAIN ENTRANCE

VX2202 or VX2202-1
Digital door panel
Master/Slave setting = Master
Configurazione Master/Slave = Master

BLOCK 2

Art.VX2206

Art.3171 or 3172