

Art. 3618 Videophone for traditional video systems using coax video signal or balanced video signal

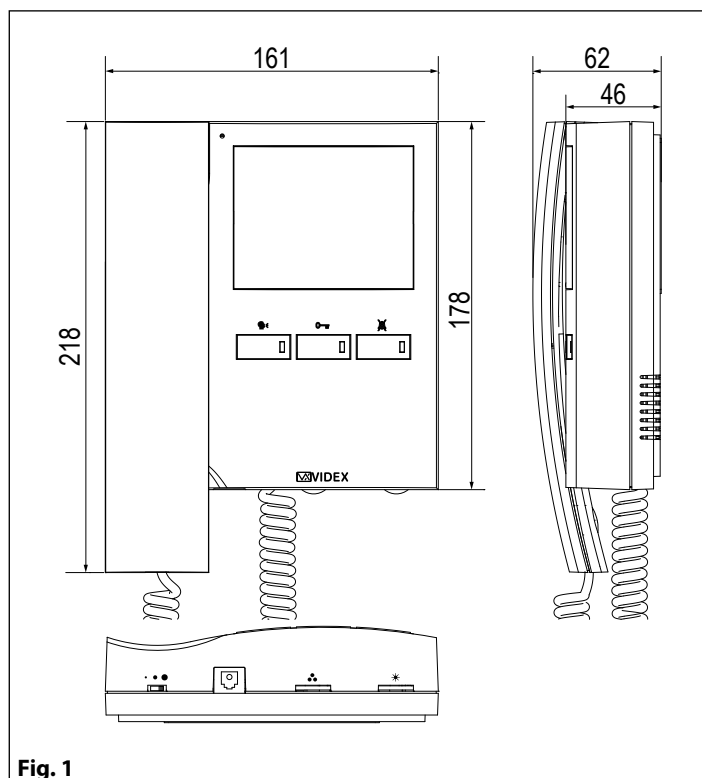


Fig. 1

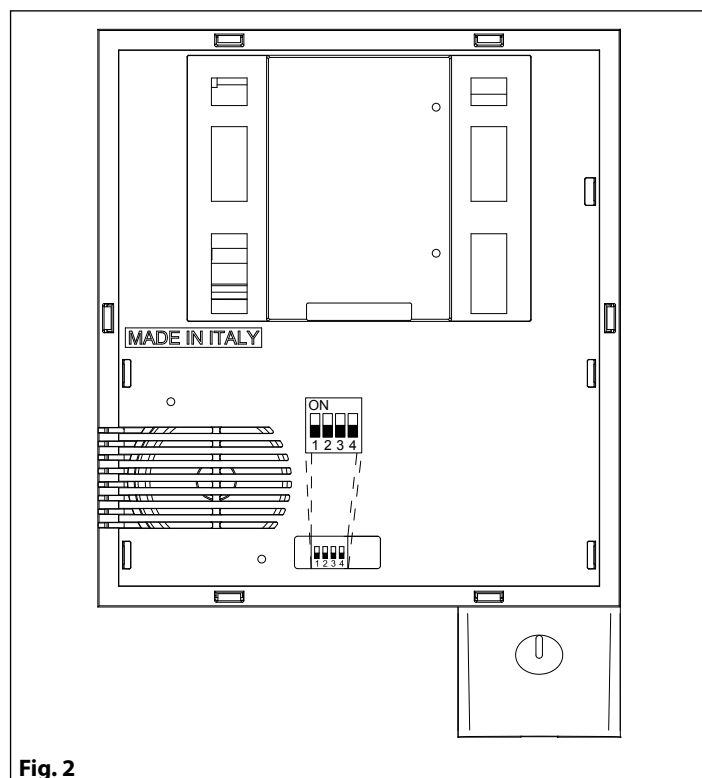


Fig. 2

DESCRIPTION



Videophone (with hands free facility) using 3.5" full colour active matrix LCD monitor for traditional video door entry systems using composite (coax cable) or balanced (twisted pair) video signal to bring the video signal. Are available "door open", "answer/camera recall/push to talk", "privacy/call reject/service" buttons plus 3 LED's give visual signalling relative to the videophone operation.

Controls: loudspeaker volume, call tone volume, picture contrast, brightness and hue.

Programmable privacy duration, melody, number of rings, door opening time and video mode. Input for electronic call tone.

The Art. 3618 is for surface mount (requires the Art. 5980 connection board plus wall mounting plate). It can be used in all the systems where are used the Art. 3411, Art. 3412, Art. 5418, Art. SL5418 or Art. 5412 but requires an additional wire for 12Vdc power supply and cannot be connected in parallel with the mode is mentioned above in the same apartment.

PUSH BUTTONS

	<ol style="list-style-type: none"> 1. On an incoming call, operation of this button allows the user to answer and converse with the visitor in hands free mode. The relevant LED will illuminate. You can answer also by the handset. 2. If operated when system is in standby (no Call) camera recall will be activated and the relevant LED will illuminate. 3. When in conversation (monitor on), momentary operation of the button will switch the videophone off. The videophone will also automatically switch off after a time delay if the button is not pressed. The relevant LED will switch off. 4. When in conversation (monitor on), pressing and holding the button for more than 3 seconds will switch the videophone into SIMPLEX speech mode. Press and hold the button to speak to the caller (The LED will flash rapidly), release the button to listen (The LED will flash slowly). If the button is not pressed for 10 seconds the videophone will switch off. The videophone will revert to duplex speech when another call is made.
	<p>During a call, operation of this button will activate the "door open" relay. On the display (top centre) will be signalled the door opening. The LED of the button will illuminate if terminal 19 has been properly connected i.e. to a door contact to monitor the door status.</p>

PUSH BUTTONS

1. During a call, press this button to reject the call.
2. When the system is in stand-by, short pressing of this button enables / disables the privacy service. The relevant LED will illuminate when the privacy service is enabled. When privacy is enabled calls will not be received.
3. When the system is in stand-by, press this button until the videophone switches on emitting a beep to enter into the programming menu that allows to set the privacy duration, the call tone volume, the melody selection, the number of rings and the door opening time.
4. During a conversation, press this button to enter the adjustment menu that allows to set the speech volume, the brightness, the contrast and the hue.
5. During a conversation, press and keep pressed this button until the videophone emits a beep: the auxiliary output is operated and the terminal "12/SB" is linked to ground for 2 seconds.

CONTROLS AND PROGRAMMING

The adjustments and settings are carried out through the two OSD menus that are described below. For video mode setup (coax or balanced) operate the 4 way dip switch on the rear side of the videophone.

The Art. 3618 has an additional programming related to the system in which it is used: 890 Mode (for systems in which it is used the control unit Art. 890/Art. 890N) and 4838 Mode (for systems in which it is used the speaker unit Art. 4838).

The videomonitor has two different menus for programming and adjustment functions:

1. One menu operates when the system is in stand-by and allows to set:
 - The privacy duration;
 - The melody volume;
 - The melody type;
 - The number of rings;
 - The door opening time;
2. The second menu operates when the system is turned ON (during a conversation or a camera recall) and allows to set;
 - Speech volume;
 - Brightness;
 - Contrast;
 - Hue;

MENÙ 1

- When the system is in stand-by (monitor turned OFF) press and hold pressed the "X" button until the monitor switches emitting a beep to enter the programming menu.
- The OSD menu appears on the display: the top of the screen shows "menu" followed by the available function icons, the bottom of the screen shows the currently selected function value on the left, the currently selected function icon in the middle and the next function icon on the right side.
- The first function available is the privacy duration (max 20 hours): press as many times or hold pressed the "0" button to increase or the "1" button to decrease the duration of a half an hour each step (signalled by a beep).
- Press the "X" button to store the new value and to enter the following programming function.
- The second function is the melody volume: press as many times or hold pressed the "0" button to increase or the "1" button to decrease the melody volume level (signalled by a beep).
- Press the "X" button to store the new value and to enter the following programming function.
- The third function is the melody type: press the "0" button to hear and select the previous melody or the "1" button to hear and select the following melody.
- Press the "X" button to store the new value and to enter the following programming function.
- The fourth and last programming function is the number of rings (max 9): press as many times or hold pressed the "0" button to increase or the "1" button to decrease the number of rings.
- Press the "X" button to store the new value and to enter the following programming function.
- The fifth programming function is the door opening time (max 99 seconds): press as many times or hold pressed the "0" button to increase or the "1" button to decrease the number of rings.
- Press the "X" button to store the new value and exit the programming menu, the monitor turns OFF.

MENÙ 2



- When the monitor is turned ON (conversation or camera recall) press the "X" button to enter the adjustment menu.
- The OSD menu appears on the display: the top of the screen shows "menu" followed by the allowed function icons, the bottom of the screen shows the currently selected function value on the left, the currently selected function icon in the middle and the next function icon on the right side.
- The first adjustment is the speech volume: press as many times or hold pressed the "0" button to increase or the "M" button to decrease the speech volume level (signalled by a beep).
- Press the "X" button to store the new value and to enter the following programming function.
- The second adjustment is the brightness: press as many times or hold pressed the "0" button to increase or the "M" button to decrease the brightness level (signalled by a beep).
- Press the "X" button to store the new value and to enter the following programming function.
- The third function is the contrast: press as many times or hold pressed the "0" button to increase or the "M" button to decrease the contrast level (signalled by a beep).
- Press the "X" button to store the new value and to enter the following programming function.
- The fourth and last function is the hue: press as many times or hold pressed the "0" button to increase or the "M" button to decrease the hue level (signalled by a beep).
- Press the "X" button to store the new value and exit the programming menu the monitor goes back to shown standard messages for conversation.



SYSTEM MODE

- To set the 890 Mode (for systems where it is used the control unit Art. 890/Art. 890N) unplug the ribbon cable from the PCB connection board Art. 5980 then plug it again keeping pressed the button "X" until the related LED switches on for approx 1 second.
- To set the 4838 Mode (for systems where it is used the speaker unit Art. 4838) unplug the ribbon cable from the PCB connection board Art. 5980 then plug it again keeping pressed the button "M" until the related LED switches on for approx 1 second.

TO SET THE VIDEO MODE


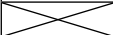
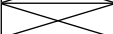
The videophone can operate with either composite video signal (coax cable) or balanced video signal (two wires). Switches 1 & 2 of SW2 are used to set video mode while switches 3 & 4 are for video termination. When more videophone have a pass through connection for the video signal, you must enable the video termination only for the last videophone.

VIDEO MODE	
Switches 1,2	Mode
	Coax
	Balanced

75 OHM VIDEO TERMINATION	
Switches 3,4	Termination
	Enabled
	Disabled

TERMINALS AND RELEVANT SIGNALS

The table that follow shows the signals available on the terminals (from 1 to 20) of the PCB supplied with the Art. 5980 relative to the Art. 3618 videomonitor.

ART. 3618 SIGNALS ON TERMINALS OF ART. 5980		
+20V	1	+20V power input
+20V	2	+20V power input
GND	3	Ground
GND	4	Ground
V2/V	5	Coax = V input, Balanced video = V2 input
V1	6	Balanced video signal V1 input
3	7	Speech line output from handset's microphone
T	8	Camera recall signal output
LB	9	Local bell input (active low)
5	10	Door open signal output
	11	
SB	12	Service Button (close to ground for 2 seconds keeping pressed the "X" button until the videophone emits a beep)
	13	
	14	
+VD	15	+12V output to supply the video distributor Art. 894/Art. 894N (coaxial video signal mode)
4	16	Speech line input toward the handset's loudspeaker
12VO	17	+12Vdc stabilized output
12VI	18	+12Vdc input
LD	19	+12Vdc door open / auxiliary LED
C	20	Call tone input

TECHNICAL SPECIFICATION

Voltages:	20Vdc (+2-5V)	
	12Vdc (+1-4V)	
Power consumption:	Standby	Operating
	20Vdc: 0mA	250mA
	12Vdc: 20mA	50mA
Working Temperature:	-10 +50 °C	

MANUFACTURER**VIDEX ELECTRONICS S.P.A.**

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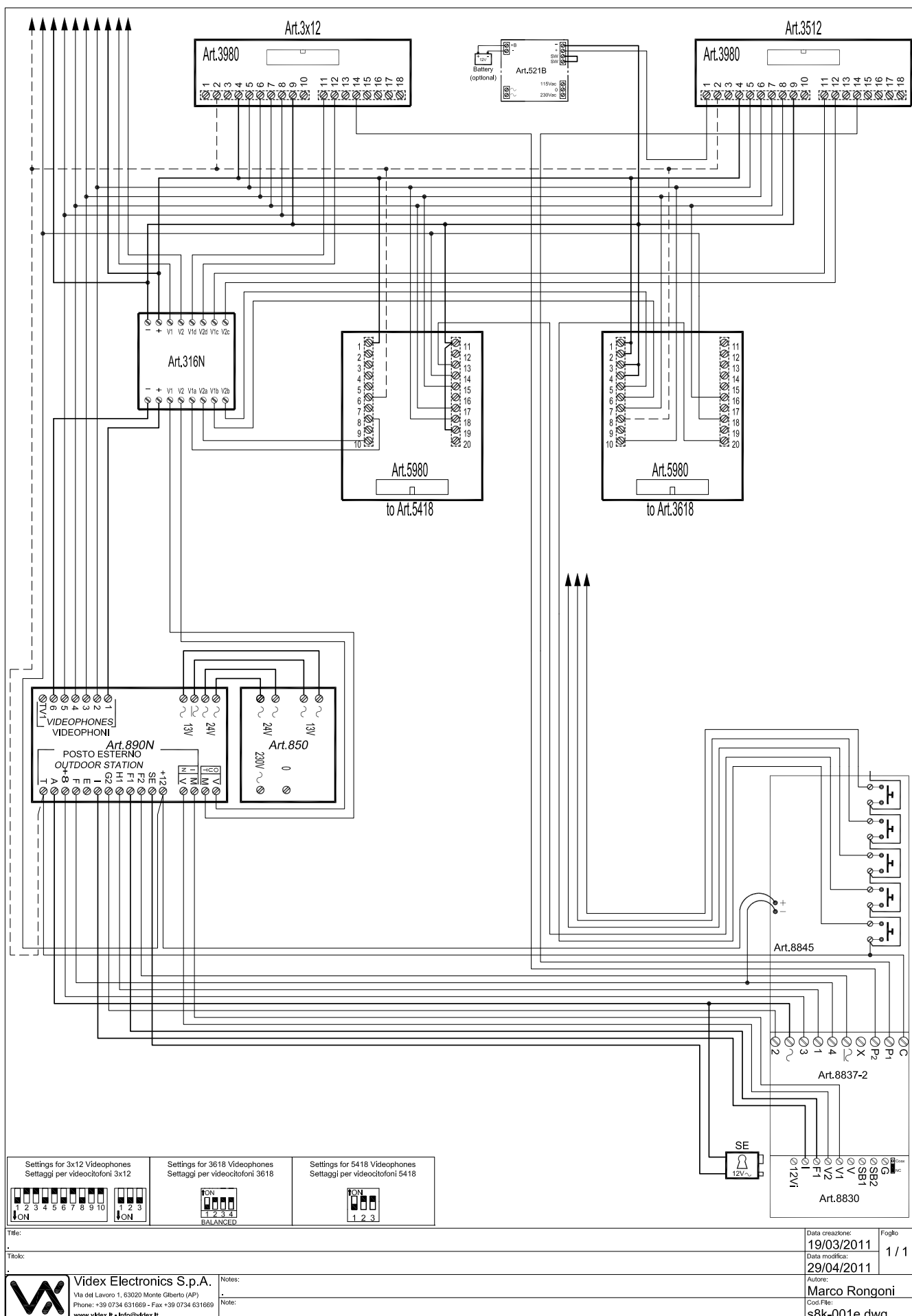

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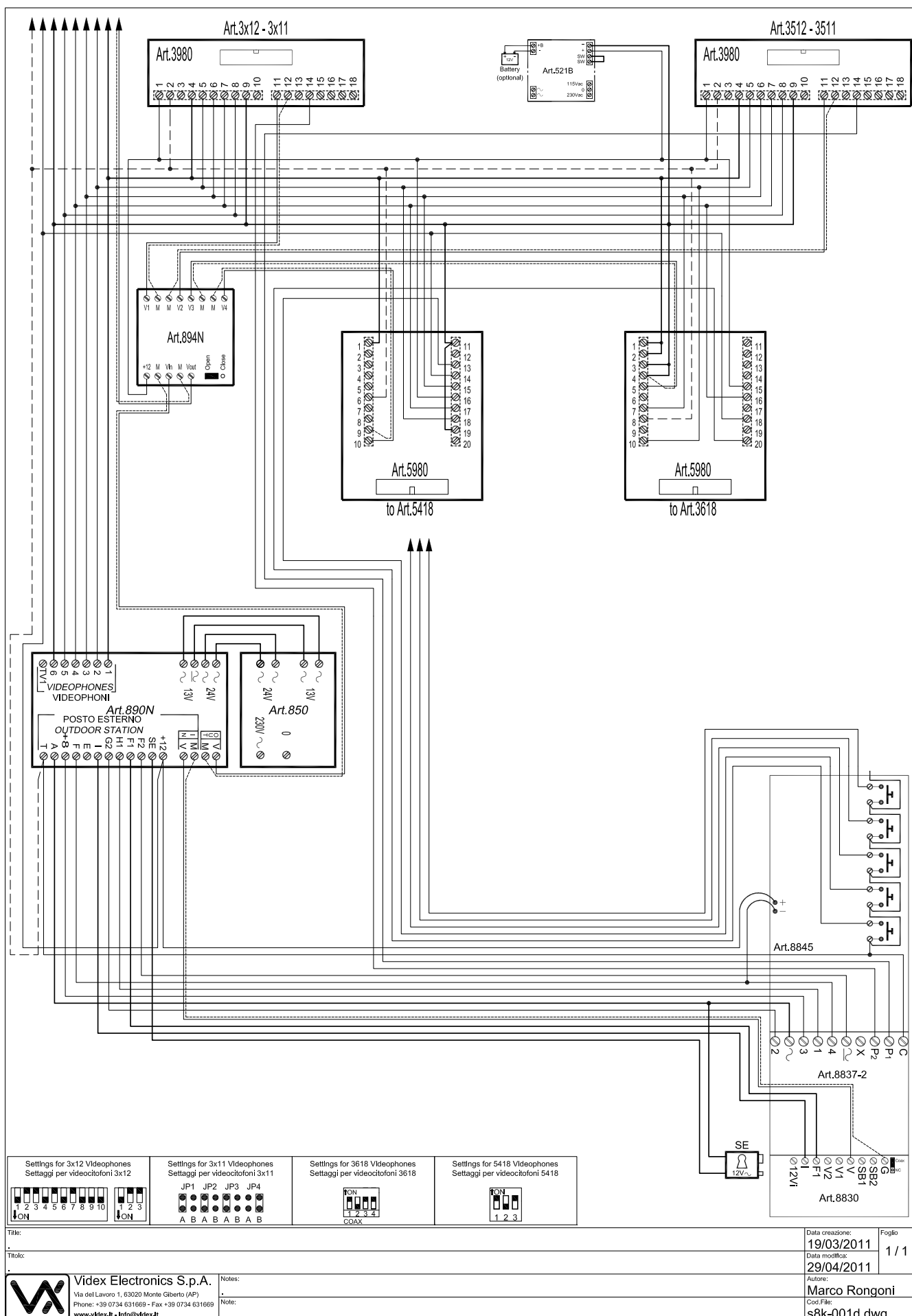
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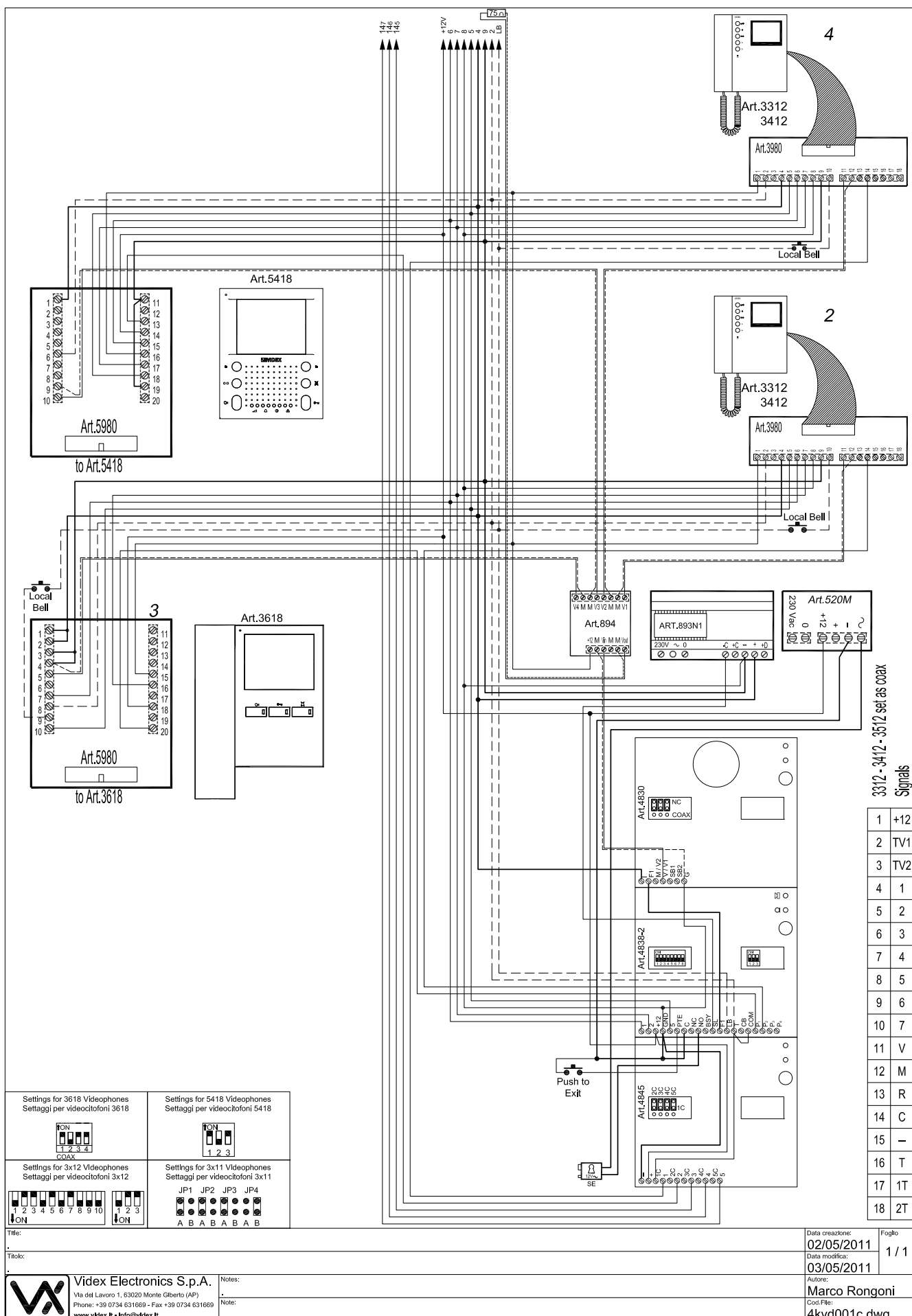
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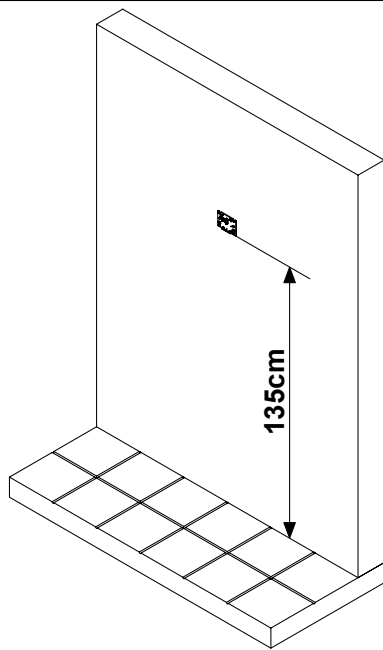


Fig. 1

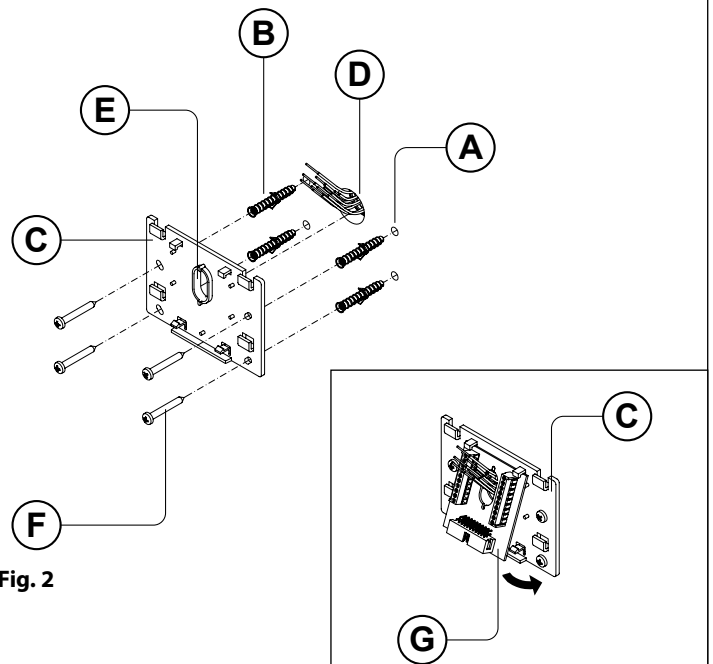


Fig. 2

Fig. 3

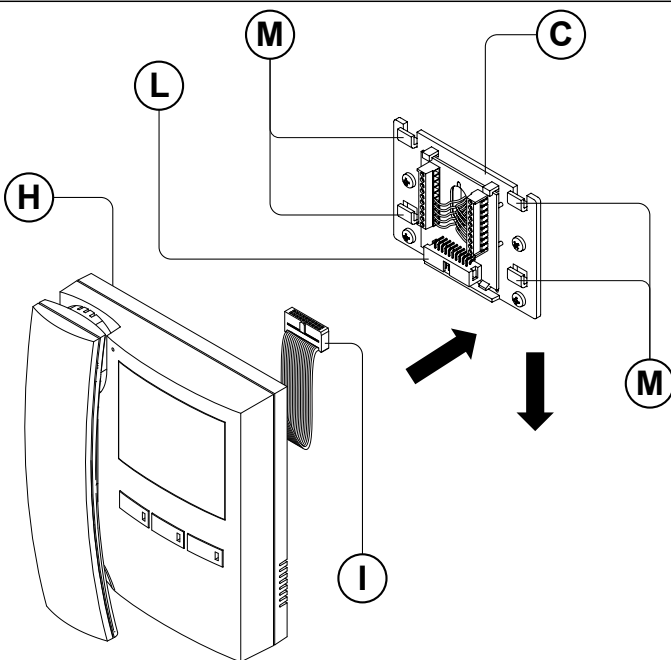


Fig. 4

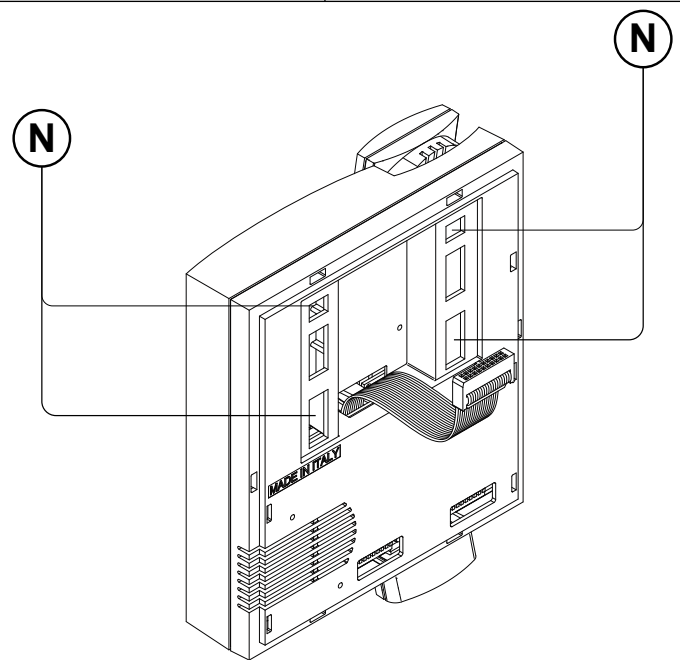


Fig. 5

1. Cables must be fed through the opening **E** (**Fig. 2**) of the mounting plate **C**, which should be fitted approximately 135cm from finished floor level as shown in **Fig. 1**;
2. Place the mounting plate **C** against the wall feeding the wire group **D** through opening **E** of the mounting plate and mark the fixing holes **A** (**Fig. 2**);
3. Drill the fixing holes **A**, insert the wall plugs **B** then with the cables threaded through opening **E** fix the mounting plate **C** to the wall with the 4 screws provided **F** (**Fig. 2**);
4. Hook the PBC connection board **G** to the mounting plate **C** as shown in **Fig. 3** and connect the wires (using the screwdriver provided) to the terminals as shown in the diagram provided;
5. Once the wires are connected, hook the videophone **H** to the mounting plate **C** as shown in **Fig. 3**;
6. Connect the Plug **I** on the ribbon cable from the videophone to the plug **L** on the PCB connection board **G**;
7. Place the videophone **H** against the 4 hooks **M** on the mounting plate **C** (in line with the 4 openings **N** on the rear side of the videophone **Fig. 5**) and push down as suggested by the pointers in **Fig. 4**, the videophone will lock into place;
8. To remove the videophone, hold it firmly and push the unit in an upward direction until the videophone **H** unlocks from the mounting plate **C**.