

Art. 6272N 3.5" colour display videophone

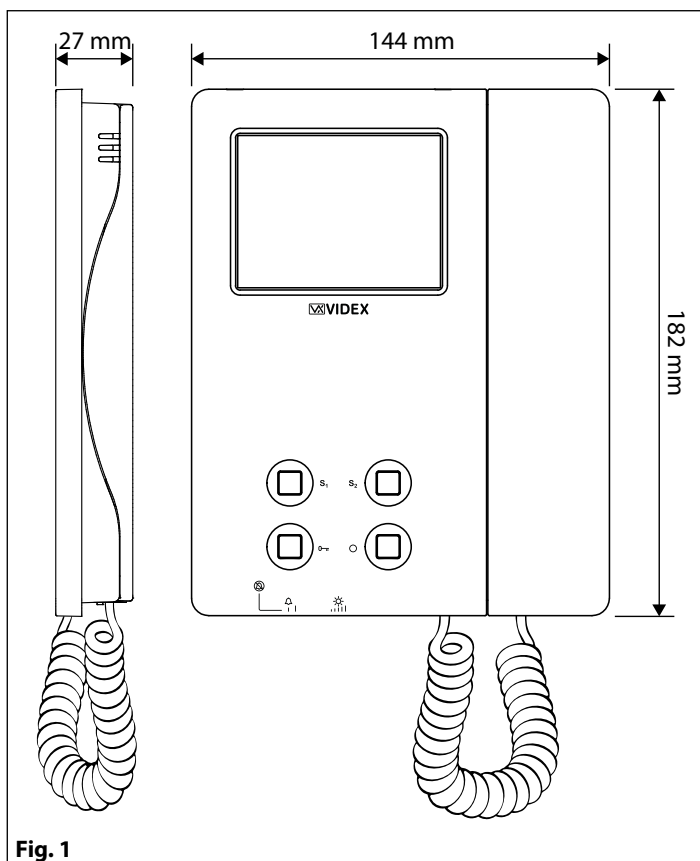


Fig. 1

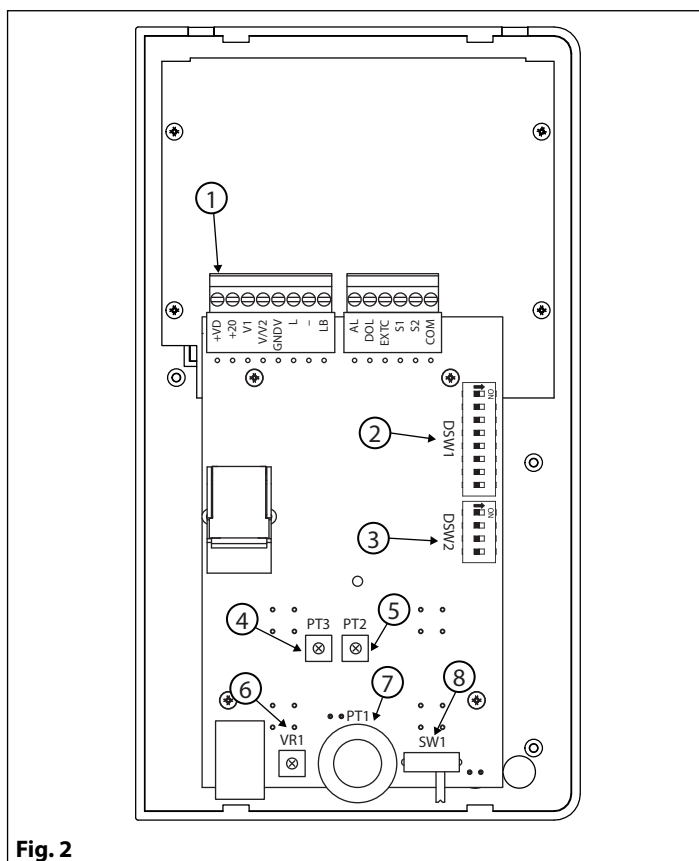


Fig. 2

ART. 6272N VX2200 6200 SERIES VIDEOPHONE FOR SYSTEMS USING COMPOSITE VIDEO SIGNAL (COAX) OR BALANCED (TWISTED PAIR)



DESCRIPTION

Intelligent videophone for the VX2200 digital system incorporating a 3.5" full colour active matrix LCD monitor, with "camera recall", "door open/concierge call", 2 "service" buttons plus 2 LEDs one for generic use (door opening usually) and one to indicate privacy service enabled. Programmable settings: video mode (coax or balanced), melody and number of rings. Adjustments: call tone volume (2 levels plus privacy position), microphone volume, picture hue, contrast and brightness.




LEGEND

- ① Connection terminals
- ② 8 Way dip switch bank to set videophone address
- ③ 4 Way dip switch bank to set video mode
- ④ Contrast adjustment trimmer
- ⑤ Hue adjustment trimmer
- ⑥ Microphone volume adjustment trimmer
- ⑦ Brightness control
- ⑧ Call tone volume & privacy switch

PUSH BUTTONS & CONTROLS - OPERATION

	Door Open Push Button. <ul style="list-style-type: none"> During a conversation, operation of this button will release the door from where the call originated. This will be confirmed by an acoustic tone. If terminal "DOL" is connected, the "door open" LED under the symbol will also illuminate. When the system is in stand-by, picking up the handset and pressing the buttons will book a call to the concierge (if available).
	Camera recall. When the system is in standby (No calls on the system), pick up the handset then press this button to open the SPEECH/VIDEO to the door station. Press as many times as the ID value of the door panel to connect to.
S1	Service button "S1". Press at any time to short internally the terminals "S1" and "COM" (max 24Vdc@24mA). The short remains until the button is released.
S2	Service button "S2". Press at any time to short internally the terminals "S2" and "COM" (max 24Vdc@24mA). The short remains until the button is released.

PUSH BUTTONS & CONTROLS - OPERATION

	Switch to adjust the call tone volume and enable the privacy service. In the middle position the volume is standard, in right position the volume is high while in the left position privacy is enable: the LED under the symbol  will illuminate. When the service is enabled the videophone receives calls showing the video from the door panel but doesn't ring. The privacy mode may be disabled moving the switch to the middle or right position.
	Adjusts the picture brightness: right rotation to increase, left rotation to decrease.
PT3	Adjusts the picture contrast: keeping the videophone in front, rotates clockwise to increase or anticlockwise to decrease.
PT2	Adjusts the picture hue: keeping the videophone in front, rotates clockwise to increase or anticlockwise to decrease.
VR1	Adjusts the microphone volume: keeping the videophone in front, rotates anticlockwise to increase or clockwise to decrease.

PROGRAMMING

The programmable settings are:

- Melody (9 available);
- Number of rings (3 or 6);
- Video mode (coax or balanced);
- Videophone address (Phone ID).

TO SET MELODY

Press and hold (for approx 10 seconds) the "0—" button until the unit plays the current programmed melody and emits a beep at the end. Press again the "0—" button to listen to the available melodies (maximum 9). Once the selected melody has been reached, wait 5 seconds for a beep. The new melody will be stored.

NOTE

To set the melody it is required that the videophone is connected in a system where the +20Vdc voltage from Art. 893N1 is always enabled.



TO SET THE NUMBER OF RINGS (6 OR 3):



Default setting is 6, to set 3 proceed as follows:

- Turn off the videophone by unplugging the connector from the PCB ;
- Make a short between terminals "GND" and "LB" on the connector;
- Plug the connector in and wait for a beep before removing the short;
- To go back to 6 rings, do the same but two beeps will be emitted.

TO SET THE VIDEO MODE AND TERMINATION

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.

VIDEO MODE - DSW2	
Switches 1,2	Mode
	Coax
	Balanced

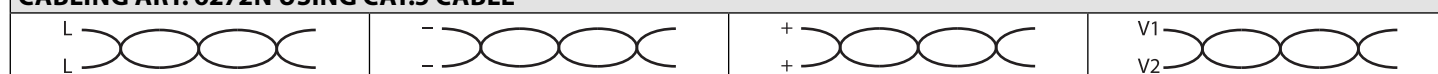
75 OHM VIDEO TERMINATION - DSW2	
Switches 3,4	Termination
	Enabled
	Disabled

Switches 3 and 4 adjust the video signal impedance. when using more than one videomonitor in parallel (without a video splitter) put both switches in the OFF position on all but the last videomonitor (end of line).

VIDEOMONITOR/INTERCOM ADDRESS, VIDEO MODE AND TERMINATION SETUP DSW1

Each intercom is addressed in binary (PHONE ID) using the 8 way dipswitches located on the rear of the unit. Each switch corresponds to one bit which can have a value 0 (OFF) or 1 (ON). Each bit corresponds to a decimal weight depending on the position: Switch 1 = decimal 1, 2=2, 3=4, 4=8, 5=16, 6=32, 7=64, 8=128. **I.E.** to set the address 37, put switches 1, 3 and 6 on (1+4+32=37).

SWITCHES								DECIMAL WEIGHT								ADDRESS
8	7	6	5	4	3	2	1	128	64	32	16	8	4	2	1	
OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	0	0	0	0	0	0	0	1	1
OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	0	0	0	0	0	0	1	0	2
OFF	OFF	OFF	OFF	OFF	OFF	ON	ON	0	0	0	0	0	0	1	1	3
OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	0	0	0	0	0	1	0	0	4
OFF	OFF	ON	OFF	OFF	ON	OFF	ON	0	0	1	0	0	1	0	1	37
ON	OFF	ON	ON	OFF	ON	OFF	OFF	1	0	1	1	0	1	0	0	180

CABLING ART. 6272N USING CAT.5 CABLE*

Connections:

- One pair must be used to double up the BUS line "L";
- One pair must be used to double up the power supply ground. The bus ground must be connected with power supply ground ("GNDV" & "-");
- One pair must be used to double up the positive power supply +20V;
- One pair must be used for the video signals V1 and V2.

Max Distance:** 100 metres.

System type: Audio/video door entry systems.

* When this cable is used, in case more videophones are connected in parallel in the same apartment, a local power supply for additional videophones is required.

** By max distance we mean the maximum distance between the door panel and the furthest videophone/intercom

ART. 6272N - SIGNALS	
+VD	12Vdc output to supply coax video distributor Art. 894N
+20	Video power supply 17÷20Vdc
V1	Balanced video signal V1 sync. (balanced video signal mode)
V/V2	Balanced video signal V2 sync. (balanced video signal mode) Composite video signal (coax video signal mode)
GNDV	Video power supply ground reference
L	BUS line
-	BUS line ground reference
LB	Local bell input (active low)
AL	Alarm input (active low)
DOL	12Vdc input to supply Aux LED
EXTC	Call tone output for extension sounder (Art. 512A)
S1	S1 Output (internally shorts to COM when the button is pressed) max 24Vdc@24mA
S2	S2 Output (internally shorts to COM when the button is pressed) max 24Vdc@24mA
COM	Common terminal for S1, S2 service buttons max 24Vdc@24mA

TECHNICAL SPECIFICATION

Working Voltage: 17÷20Vdc
Power Consumption: 200mA during a call
 120mA during a conversation
Working Temperature: -10°C +50°C

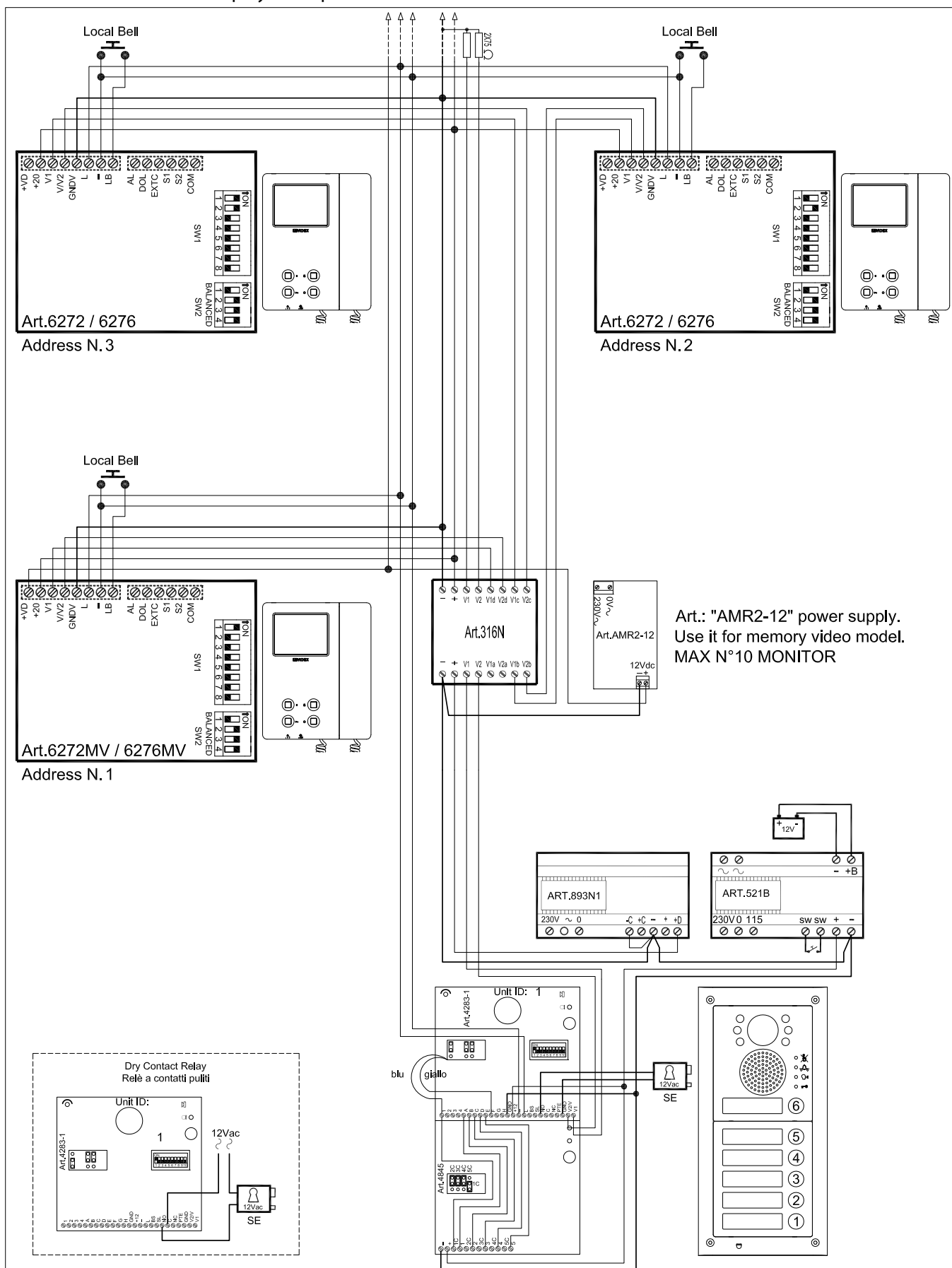
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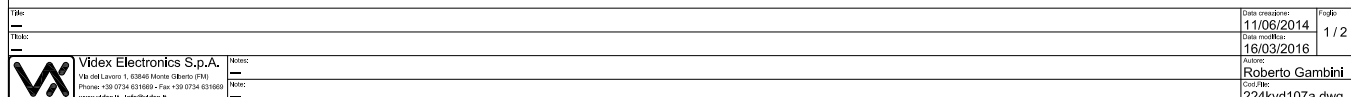
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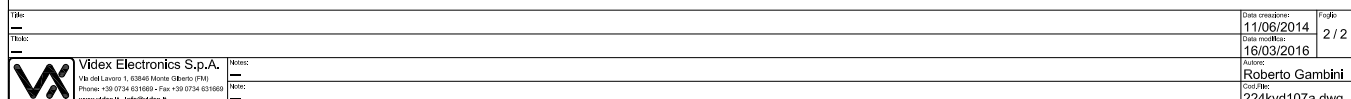


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Notes:

Note:





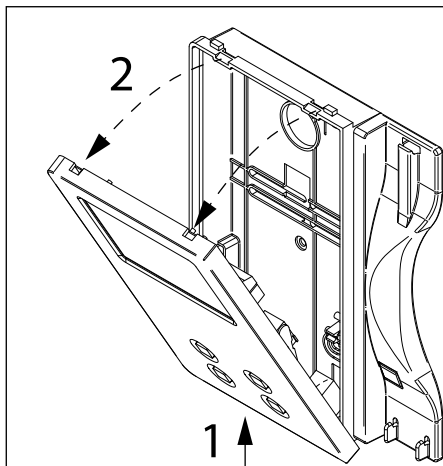


Fig. 1

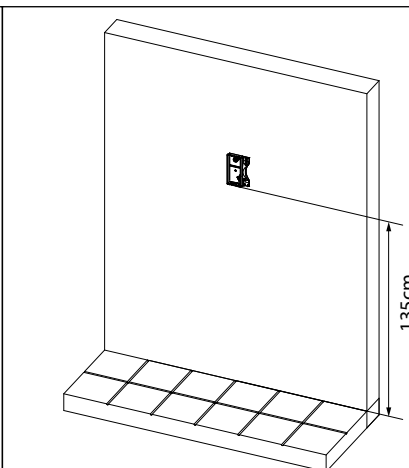


Fig. 2

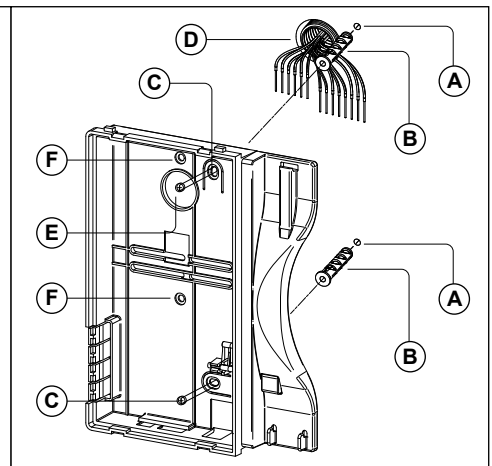


Fig. 3

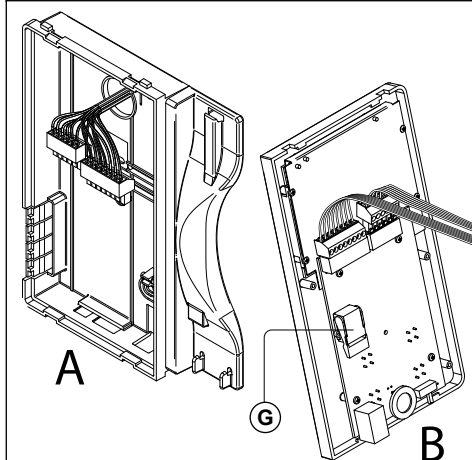


Fig. 4

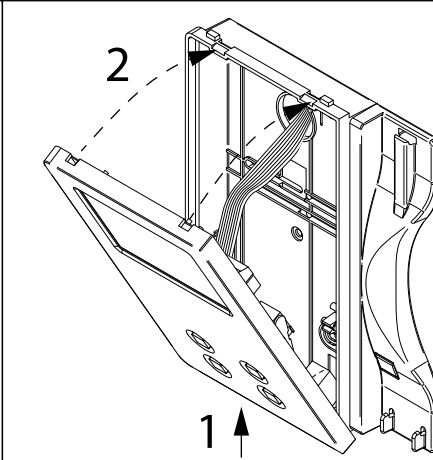


Fig. 5

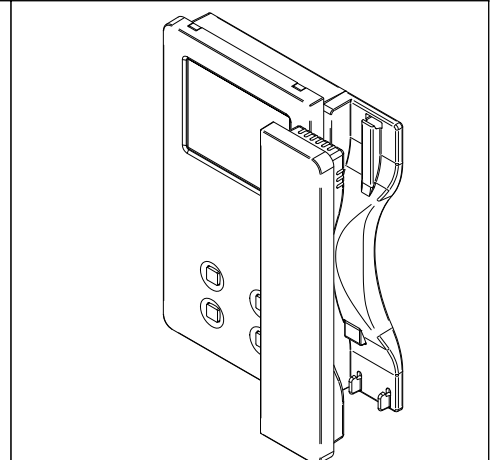


Fig. 6

1. In order to install the videophone, it is necessary to remove the cover, which contains all the electronics, from the base: firstly disconnect the handset from the videophone (by removing its plug from the videophone), then press lightly the bottom part of the videophone and simultaneously pulling outwards the upper part as shown in **Fig. 1**.
2. Put the base of the unit on the wall at approx 135cm from the finished floor to mark the points for the fixing holes "A" (**Fig. 2**) remembering that the wires "D" (**Fig. 3**) must be fed through the hole "E" (**Fig. 3**). If you use the flush mounting box 503, embed it into the wall vertically at approx. 140cm from the finished floor and the base.
3. Following **Fig. 3**, make the holes "A", insert the wall plugs "B" and fix the base with the screws "C" feeding the wires "D" into the hole "E". If you have used the box 503, fix the base to the wall through the holes "F" using the screws "C".
4. As shown in **Fig. 4A**, connect the wires to the removable terminals following the provided installation diagram. Connect the terminal blocks to the electronics contained in the cover as shown in **Fig. 4B**. Reinsert the handset and test system before closing.
Note: Contrast and hue trimmers can be adjusted only if the videophone is open. Note while testing the system, it is advisable to hold the cover with your hand closing manually the hook switch of the handset (see Fig. 4B reference "G").
5. Once testing is complete and all the necessary adjustments are made, disconnect the handset from the cover and close the unit as shown in **Fig. 5**: first hook it on the bottom then push in the top until you hear the clip.
6. Reconnect the handset and hang it as shown in **Fig. 6**.



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