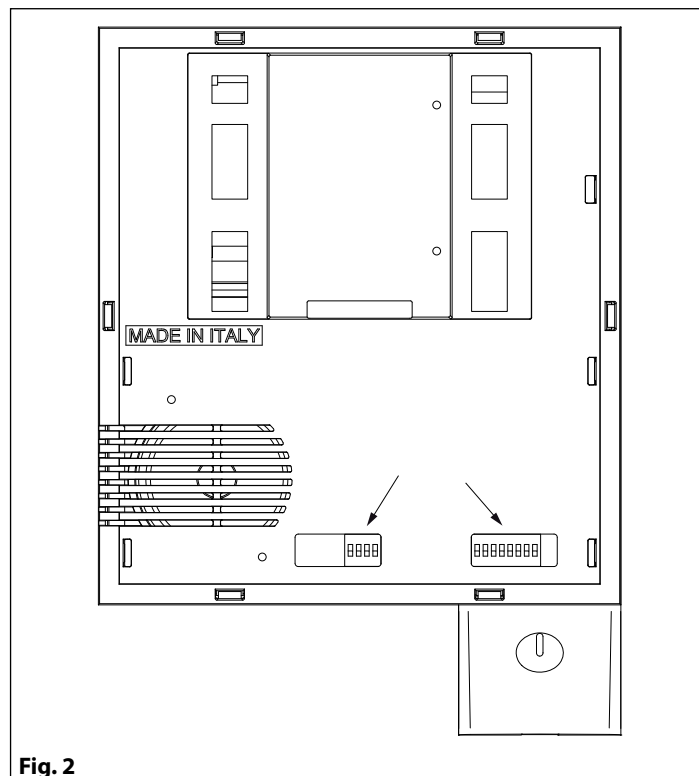
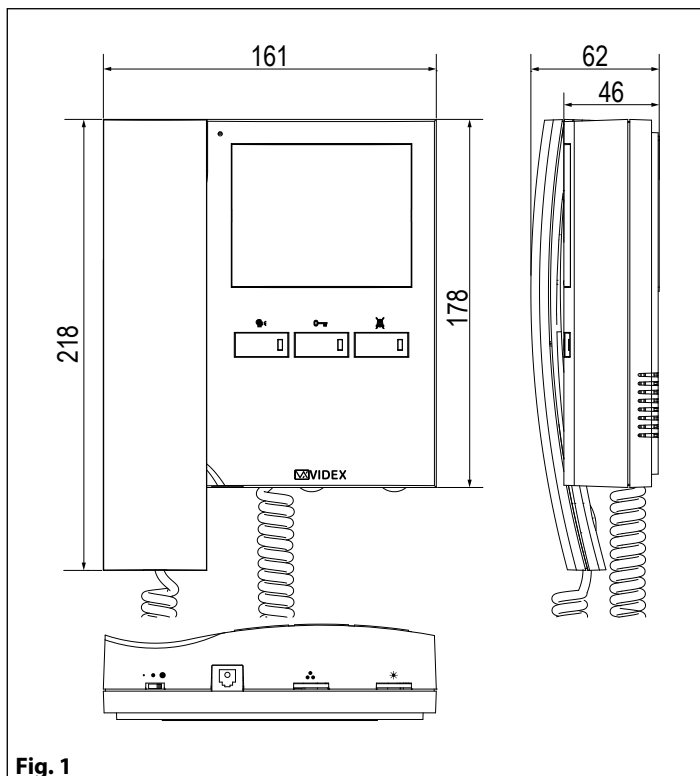


Art. 3678 Videophone with hands free facility



DESCRIPTION




Intelligent videophone for the VX2200 digital system incorporating a 3,5" full colour active matrix LCD monitor, with "door open", "answer/camera recall", "privacy/service" buttons plus 3 LEDs related to the operation of the buttons. The videophone can work as hands free unit or as standard videophone using the handset.

Programmable settings: video mode (coax or balanced), melody, number of rings and privacy duration.

Adjustments: call tone volume, loudspeaker volume, brightness, contrast and hue.

Exception made for the service push button, the other signals are numbered like the signals for the Art. 5478.

PUSH BUTTONS

	<p>Answer / simplex communication / Camera Recall / End Call push button.</p> <ul style="list-style-type: none"> Press this button during an incoming call to open the speech in duplex mode allowing free speech with the caller in both directions (The related LED will illuminate) Press and hold this button (more than 1 second), during an incoming call or a conversation in progress, to allow the user to answer a call from a visitor at the door station in SIMPLEX speech mode (The related LED will flash rapidly): releasing the button will allow the user to listen to the visitor (The LED will flash slowly). Press and hold the button when you talk to the visitor and release the button when you listen to the visitor. During a conversation, momentary operation of this button will end the call. The LED next to the button will switch off. The system will automatically switch off when the conversation time expires. When the system is in standby, (No calls on the system) operation of this button will open the speech to the door station. The related LED will illuminate. Press as many time as the ID value of the door panel to connect to.
	<p>Door Open Push Button.</p> <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 "DL" is connected, the "door open" LED next to the button will also be illuminated. When the system is in stand-by, a button press will book a call to the concierge (If available).
	<p>Privacy ON-OFF button.</p> <ul style="list-style-type: none"> When the system is in stand-by, press this button to enable the service for the programmed time: the related LED will illuminate to signal the service enabled. During an incoming call, with the service enabled, the device does not emit any acoustic signal. The service is disabled when the programmed time expires or pressing again the button. 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. Press this button during an incoming call while the videophone is ringing to reject the call. The visitor doesn't receive any warning of the call rejected.

PROGRAMMING AND ADJUSTMENTS

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;
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 (approx 9 seconds) the "X" button 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-π" button to increase or the "☰" 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-π" button to increase or the "☰" 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-π" button to hear and select the previous melody or the "☰" 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-π" button to increase or the "☰" 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 on during a call is turned ON (conversation or camera recall) press the "X" button to enter the programming 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 function is the speech volume: press as many times or hold pressed the "0-π" button to increase or the "☰" 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 function is the brightness: press as many times or hold pressed the "0-π" button to increase or the "☰" 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-π" button to increase or the "☰" 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-π" button to increase or the "☰" 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.



VIDEOMONITOR/INTERCOM ADDRESS, VIDEO MODE AND TERMINATION SETUP



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

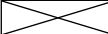
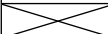
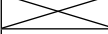
TO SET THE VIDEO MODE

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 - SW2	
Switches 1,2	Mode
	Coax
	Balanced

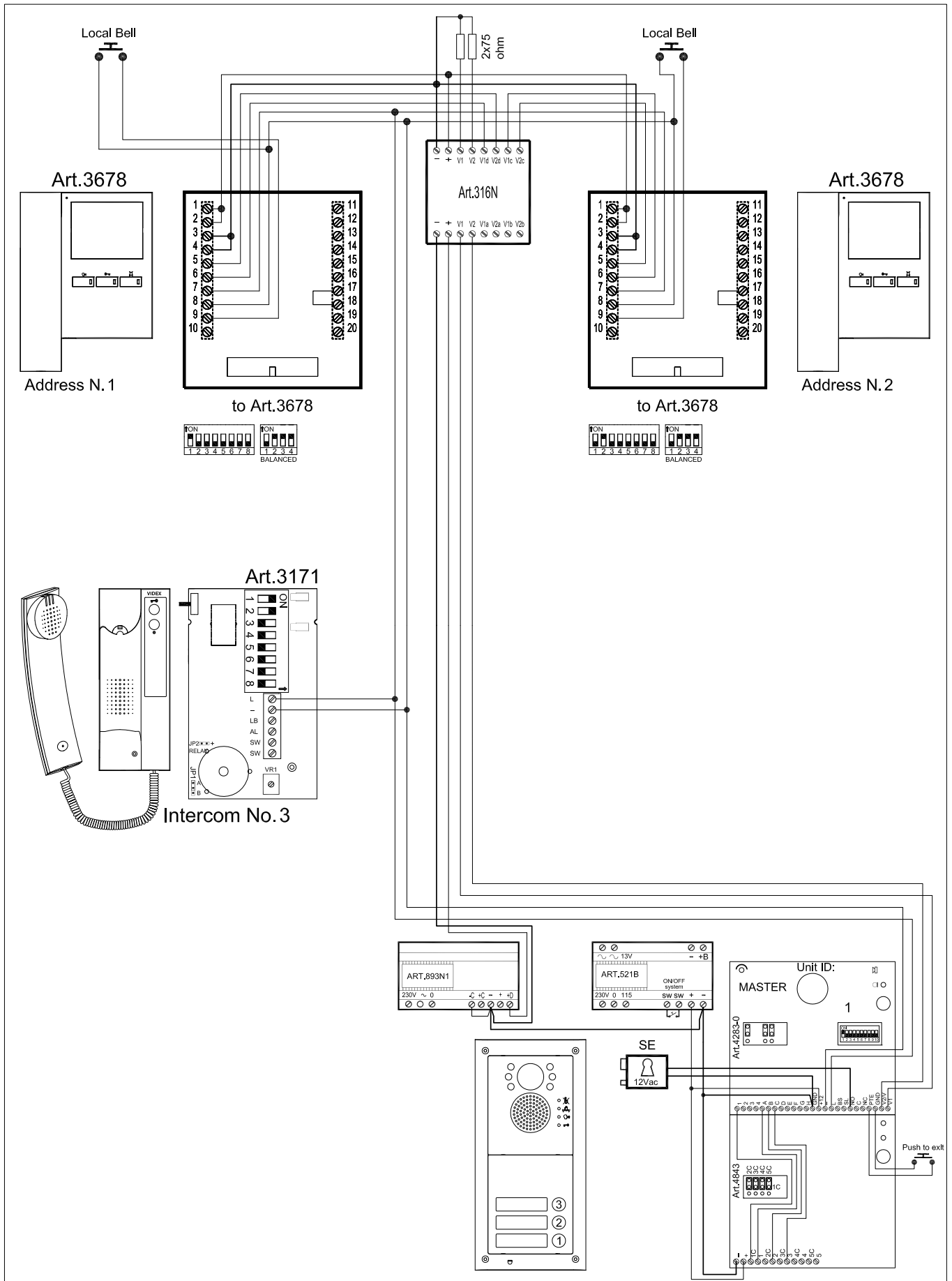
75 OHM VIDEO TERMINATION - SW2	
Switches 3,4	Termination
	Enabled
	Disabled

SIGNALS ON CONNECTION BOARD

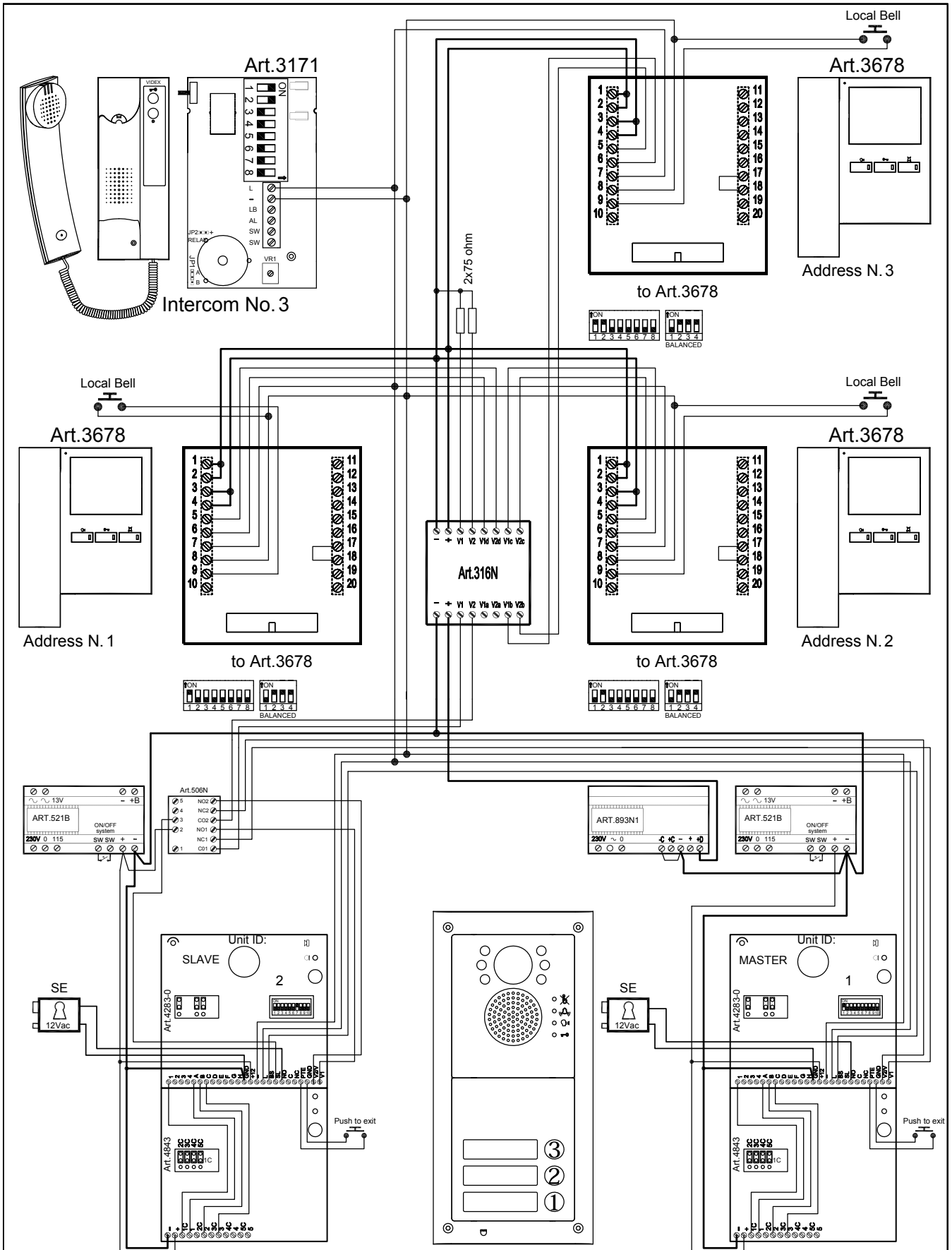
+20V	1	Video power supply 17÷20Vdc
+20V	2	Video power supply 17÷20Vdc
GND	3	Video power supply ground reference
GND	4	Video power supply ground reference
V2/V	5	Balanced video signal V2 sync. (balanced video signal mode) Composite video signal (coax video signal mode)
V1	6	Balanced video signal V1 sync. (balanced video signal mode)
L	7	BUS line
GND	8	BUS line ground reference
LB	9	Local bell input (active low)
AL	10	Alarm input (active low)
	11	
SB	12	S1 Push button (close to ground when pressed)
	13	
	14	
+VD	15	+12Vdc output to supply the video distributor Art. 894/Art. 894N
GND	16	Ground
12VO	17	Stabilized +12Vdc output
12VI	18	+12Vdc Power supply input
LDA	19	Auxiliary LED "1" power supply input
GND	20	Ground

TECHNICAL SPECIFICATION

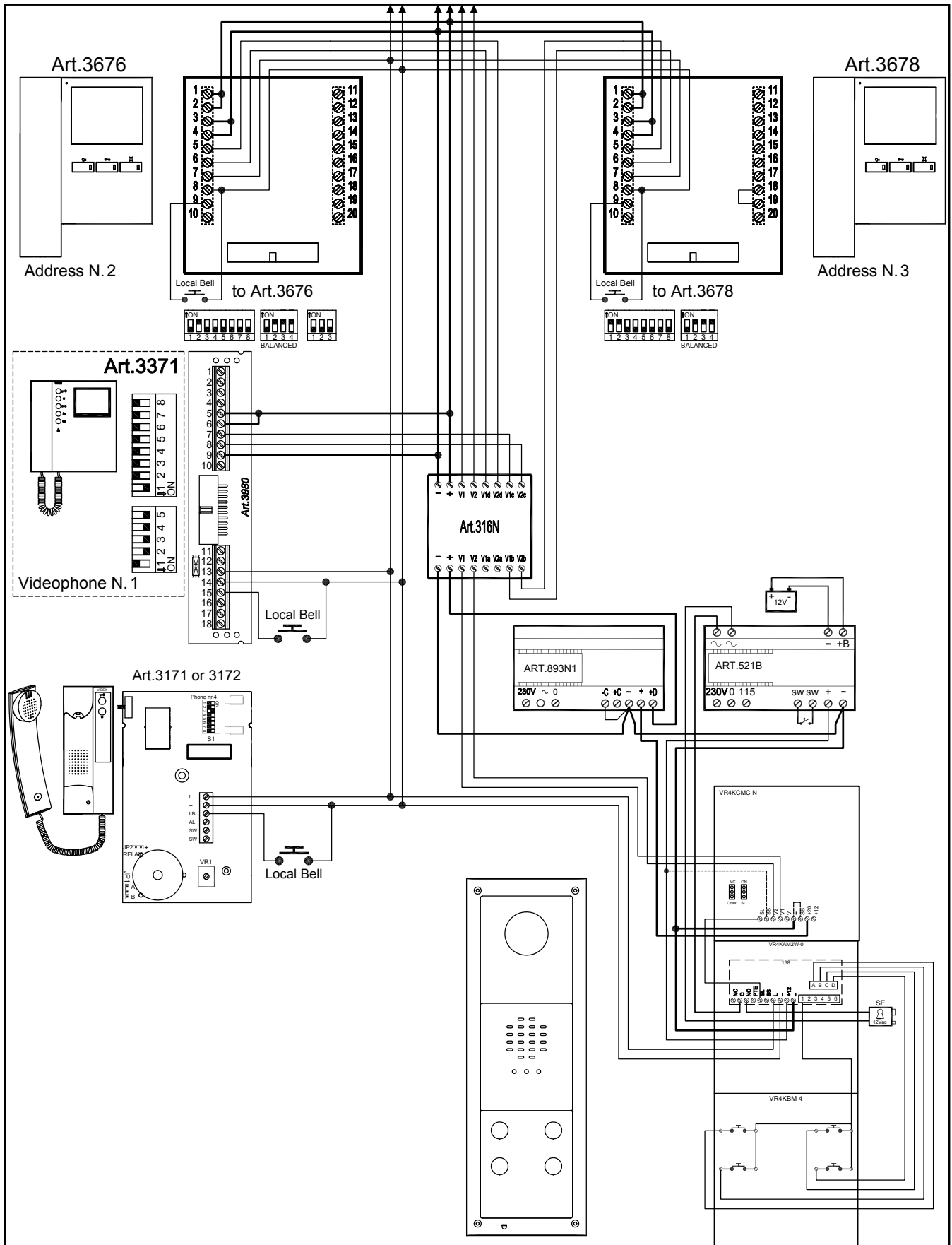
Working Voltage:	17÷20Vdc 12÷14Vdc
Power Consumption:	Standby: 12mA (on 12Vdc) Operating: On 12Vdc: 70mA Max On 20Vdc: 250mA
Working Temperature:	-10°C +50°C



Titolo:	Data creazione:	Foglio:
Art. 3678 - Installazione	30/09/2013	1 / 1
Autore:	Data modifica:	
Roberto Gambini	11/03/2015	
Collaboratore:	Nome file:	
	224kvd093a.dwg	



Title:		Data creazione:	12/05/2015	Foglio	1 / 2
Titolario:		Data modifica:	12/05/2015		
Autore:	Roberto Gambini	Cod. File:	224kvd118c.dwg		
Notes:					
Note:					



Title:		Data creazione:	23/04/2015	Foglio	1 / 1
Titolo:		Data modifica:	23/04/2015		
Autore:					
Autore:	Marco Rongoni				
Cod. File:	224kvd100.dwg				

Videx Electronics S.p.A.
Via del Lavoro 1, 63846 Monte Giberto (FM)
Phone: +39 0734 631669 - Fax: +39 0734 631668
www.videx.it - info@videx.it

Notes:
—
Note:
—

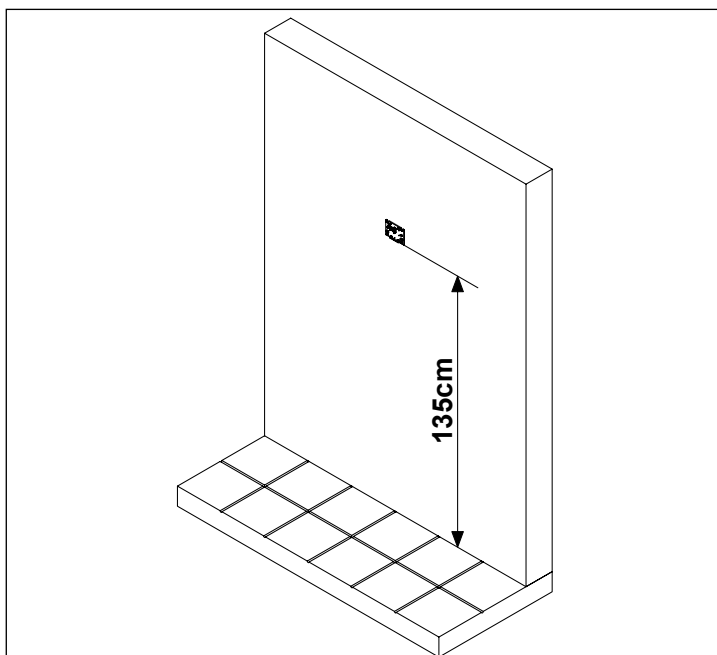


Fig. 1

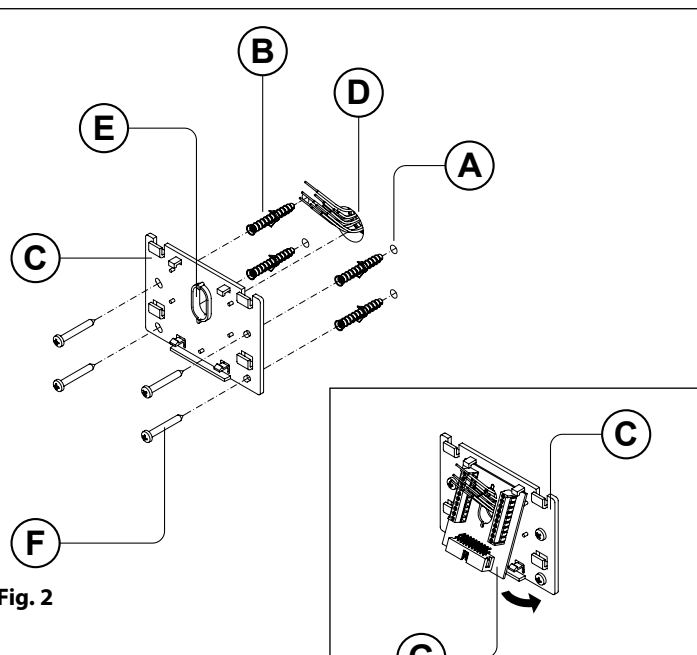


Fig. 2

Fig. 3

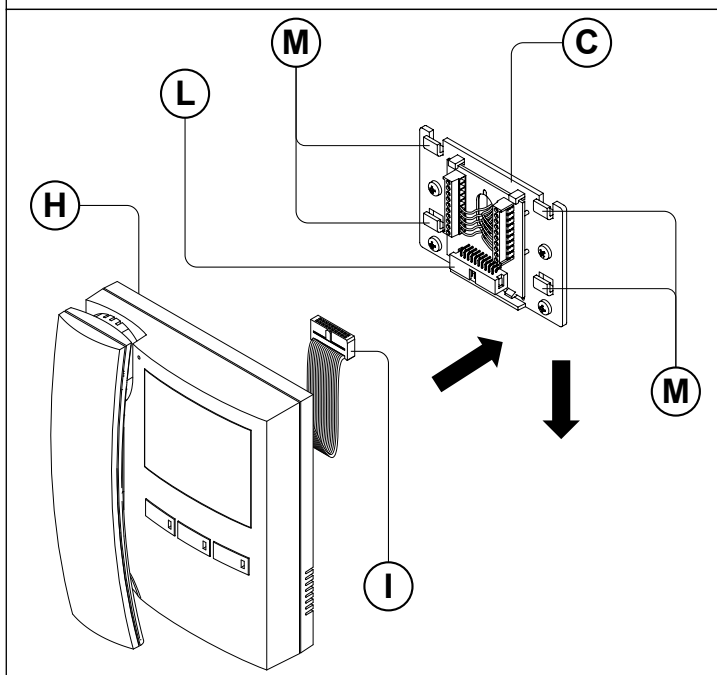


Fig. 4

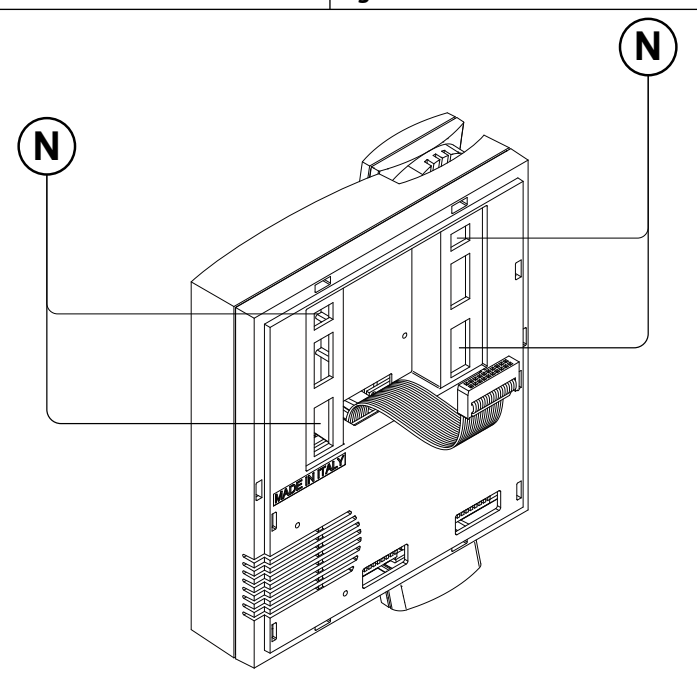


Fig. 5

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**.



THE POWER TO SECURE



made in
ITALY

MANUFACTURER

VIDEX ELECTRONICS S.P.A.

Via del Lavoro, 1 - 63846 Monte Giberto (FM) Italy
Tel (+39) 0734 631669 - Fax (+39) 0734 632475
www.videx.it - info@videx.it

CUSTOMER SUPPORT

All Countries:

VIDEX ELECTRONICS S.P.A.

www.videx.it - technical@videx.it
Tel: +39 0734-631669 - Fax: +39 0734-632475

UK Customers:

VIDEX SECURITY LTD

www.videx-security.com
Tech Line: 0191 224 3174 - Fax: 0191 224 1559

Main UK office:

VIDEX SECURITY LTD

1 Osprey Trinity Park
Trinity Way
LONDON E4 8TD
Phone: (+44) 0870 300 1240
Fax: (+44) 020 8523 5825
www.videx-security.com
marketing@videx-security.com

Northern UK office:

VIDEX SECURITY LTD

Unit 4-7
Chillingham Industrial Estate
Chapman Street
NEWCASTLE UPON TYNE - NE6 2XX
Tech Line: (+44) 0191 224 3174
Phone: (+44) 0870 300 1240
Fax: (+44) 0191 224 1559

Greece office:

VIDEX HELLAS Electronics

48 Filolaou Str.
11633 ATHENS
Phone: (+30) 210 7521028
(+30) 210 7521998
Fax: (+30) 210 7560712
www.videx.gr
videx@videx.gr

Danish office:

VIDEX DANMARK

Hammershusgade 15
DK-2100 COPENHAGEN
Phone: (+45) 39 29 80 00
Fax: (+45) 39 27 77 75
www.videx.dk
videx@videx.dk

Benelux office:

VIDEX BENELUX

E3 laan, 93
B-9800 DEINZE
Phone: (+32) 9 380 40 20
Fax: (+32) 9 380 40 25
www.videxbenelux.be
info@videxbenelux.be



The product is CE marked demonstrating its conformity and is for distribution within all member states of the EU with no restrictions. This product follows the provisions of the European Directives 2014/30/EU (EMC); 2014/35/EU (LVD); 2011/65/EU (RoHS); CE marking 93/68/EEC.