Fig. 1 Art. VR5178

Fig. 2 Art. VR5478

DESCRIPTION

Half duplex hands free videomonitor / intercom with buttons to control "answer/end conversation", "door open" and "privacy on/off" (programmable duration). In addition there are 3 LEDs* to indicate the status of "answer/end conversation", "door open/closed" and "privacy on/off" status. Call tone and loudspeaker volume controls are also incorporated on this model.

* The operation of some LED's and the functions described may require additional cabling

PUSH BUTTONS	
	Answer / simplex communicaiton / Camera Recall / End Call push button. • 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 (for Art. VR5178 this function must be enabled).
	Door Open Push Button. • 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)
	Privacy on/off - Service Push Button – Call reject. • 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.

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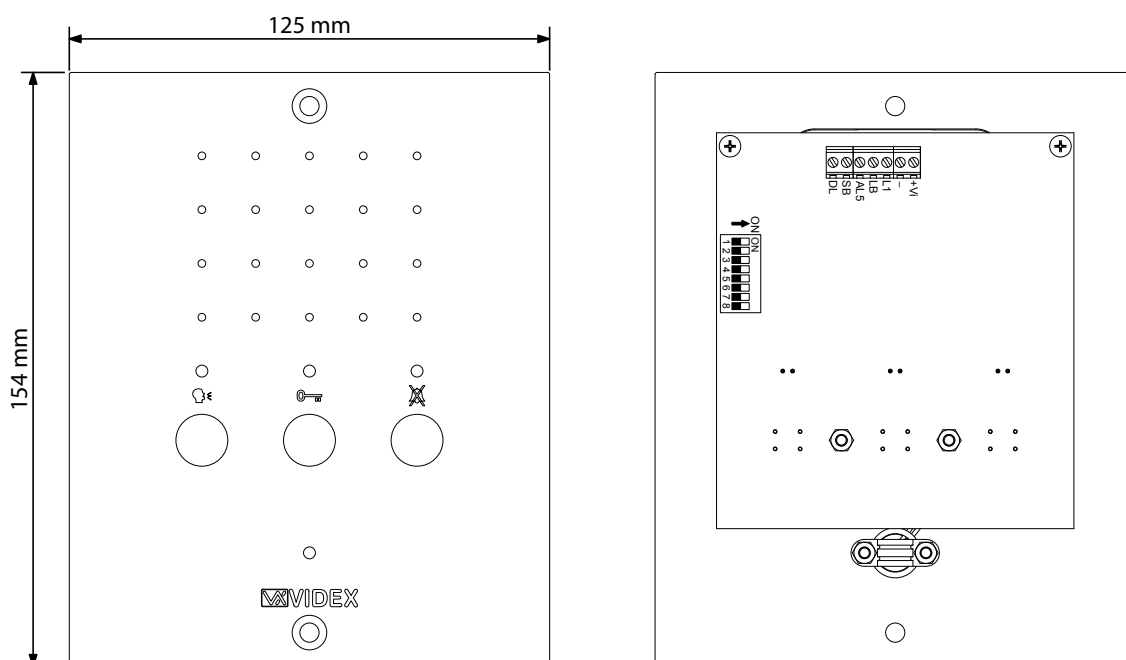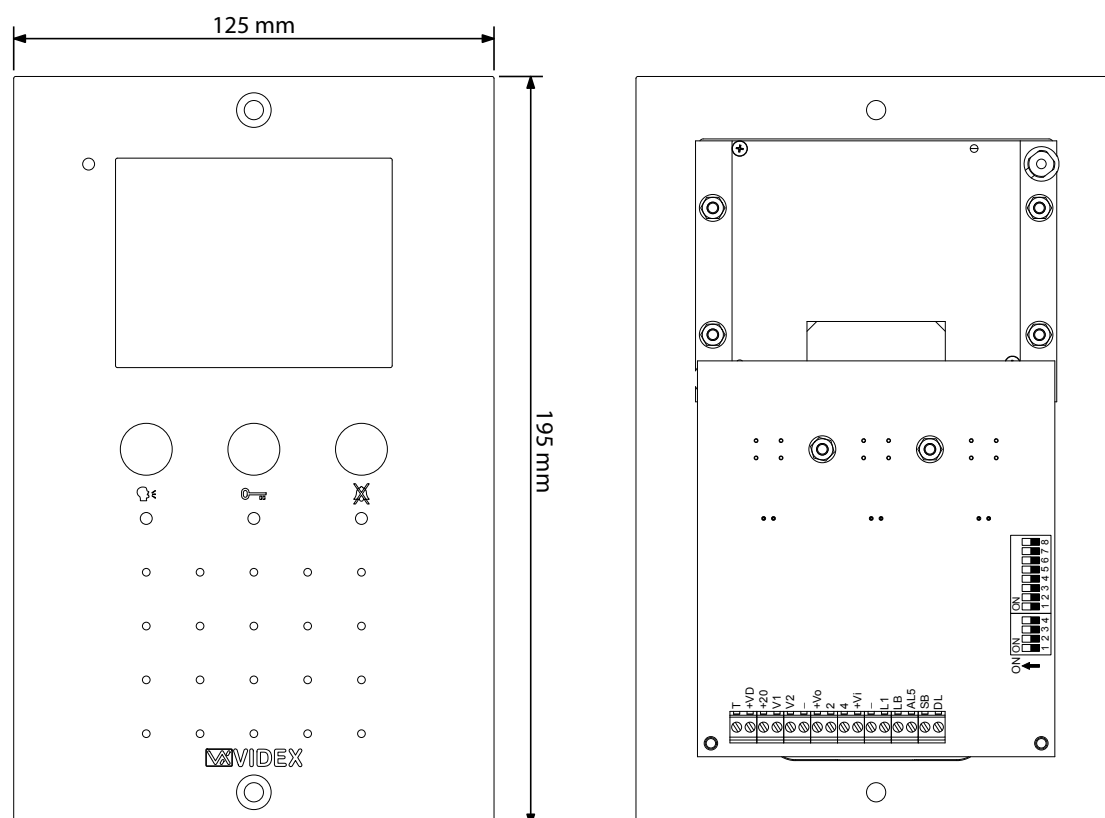**Art. VR5178** Hands free intercom
Art. VR5478 Hands free video monitor

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PROGRAMMING AND ADJUSTMENTS – ART. VR5178

Programming and adjustment action allows the setting of the number of rings, the melody and the related volume, the privacy duration, the speech volume and the door panel recall function.

Acoustic and visual signals are used to help the user during each programming stage.

After 3 seconds of idle time once entered in one of programming/adjustment function, the unit returns to normal operation storing the parameter related to the function that was last selected.

ART. VR5178 – HOW TO SETUP THE NUMBER OF RINGS

- When the system is in stand-by, press and hold the button ⬛ until the related LED starts flashing and the intercoms emit a beep.
- Press the ⬛ button as many times (each time is confirmed by a beep) as the number of rings (max 9) required.
- Once the number of rings is reached (i.e. press 5 times for 5 rings), wait (approx 3 seconds) until the LED switches off.
- The new number of rings is stored.

## ART. VR5178 – HOW TO SETUP A MELODY AND VOLUME

- When the system is in stand-by, press and hold pressed (approx 10 seconds) the button 🔑 until the intercom plays the current melody and the "talk" and "privacy" LEDs illuminate. At the end of current melody play the intercom emit a beep and the LEDs "talk" and "privacy" start to flash.
- To adjust the volume of the melody, press several times or hold pressed the button ⬛ to decrease or the button 🔔 to increase (the volume of emitted beeps vary according to the button pressed).
- Each time the button 🔑 is pressed, a new melody (9 are available) is selected: the LEDs "talk" and "privacy" stop flashing, the new melody is played, at the end a beep is emitted and the two LEDs restart to flash.

Repeat the step above to select a new melody otherwise wait approx 3 seconds of idle time (the LEDs turn OFF) without pressing any button to select the melody played and set the volume adjusted.

ART. VR5178 - PRIVACY DURATION PROGRAMMING

- Press and hold the 🔔 button (for approx 10 seconds) until the unit emits a beep and the related LED starts flashing.
- Each time the 🔔 button is pressed, it will increase the privacy duration by 30 minutes (starting from 0 up to a maximum of 20 hours. **i.e.** pressing the button 6 times = 3 hours up to a maximum of 40 presses for 20 hours). To set the privacy with no time out do not press the button.
- Once the required privacy duration has been reached, wait 3 seconds for the exit beep.
- The new value is now stored.

ART. VR5178 – SPEECH LINE VOLUME ADJUSTMENT

- When a conversation is in progress ("speak" LED illuminated), press the 🔔 button: the "privacy" LED starts flashing and the "talk" LED turns OFF .
- Press more times or hold pressed the ⬛ button to decrease the speech volume or the 🔑 button to decrease.
- Once the required volume level is reached, wait approx 3 seconds of idle time or press again the 🔔 button.
- The "privacy" LED stops flashing and turns OFF while the "talk" LED turns back ON.

ENABLE DOOR PANEL AUDIO RECALL FUNCTION (FACTORY PRESET = DISABLED)

- Disconnect the intercom from power supply (disconnect terminal "+Vi");
- Keeping pressed the 🔔 button, reconnect the power supply;
- When the privacy LED flashes once to confirm that the function is enabled, release the button.

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PROGRAMMING AND ADJUSTMENTS – ART. VR5478

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.

MENU 1

- When the system is in stand-by (monitor turned OFF) press and hold pressed (approx 9 seconds) the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the duration of a half an hour each step (signalled by a beep).
- Press the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the melody volume level (signalled by a beep).
- Press the ✕ button to store the new value and to enter the following programming function.
- The third function is the melody type: press the 0⃕ button to hear and select the previous melody or the ⬤≶ button to hear and select the following melody.
- Press the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the number of rings.
- Press the ✕ button to store the new value and exit the programming menu, the monitor turns OFF.

MENU 2

- When the monitor is on during a call is turned ON (conversation or camera recall) press the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the speech volume level (signalled by a beep).
- Press the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the brightness level (signalled by a beep).
- Press the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the contrast level (signalled by a beep).
- Press the ✕ 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 0⃕ button to increase or the ⬤≶ button to decrease the hue level (signalled by a beep).
- Press the ✕ button to store the new value and exit the programming menu the monitor goes back to shown standard messages for conversation.

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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

VIDEO MODE		75 OHM VIDEO TERMINATION	
Switches 1,2	**Mode**	**Switches 3,4**	**Termination**
↑ON 1 2 3 4	Coax	↑ON 1 2 3 4	Enabled
↑ON 1 2 3 4	Balanced	↑ON 1 2 3 4	Disabled

Note: on installations where the video cable is in a parallel connection (max 50 metres) between two or more videophones without using the video distributor, the video termination must be disabled on each videophone except the last linked.

ART. VR5478/ART. VR5178 SIGNALS ON CONNECTION BOARD	
T	Not used
+VD	+12Vdc output to supply the Art. 894 video distributor
+20	+15÷20V power supply input
V1	Balanced video signal 1
V2/V	Balanced video signal 2 or standard video signal V (according to video signal settings)
–	Video signal / power supply Ground
Vo	Stabilized +12Vdc - 100mA output
2	Not used
4	Not used
+Vi	+12Vdc power supply input
–	Bus Ground
L1	Bus data line
LB	Local bell input (active low)
AL5	Alarm input (active low)
SB	Auxiliary Service Output (open collector active low)
DL	DL = Door monitor LED input (+12V = ON)

TECHNICAL SPECIFICATION

Power consumption

Art. VR5178:	Stand-by: 7mA
	Max: 100mA
Art. VR5478:	Stand-by: 12mA
	Max: 250mA

Working Temperature: -10 +50 °C

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
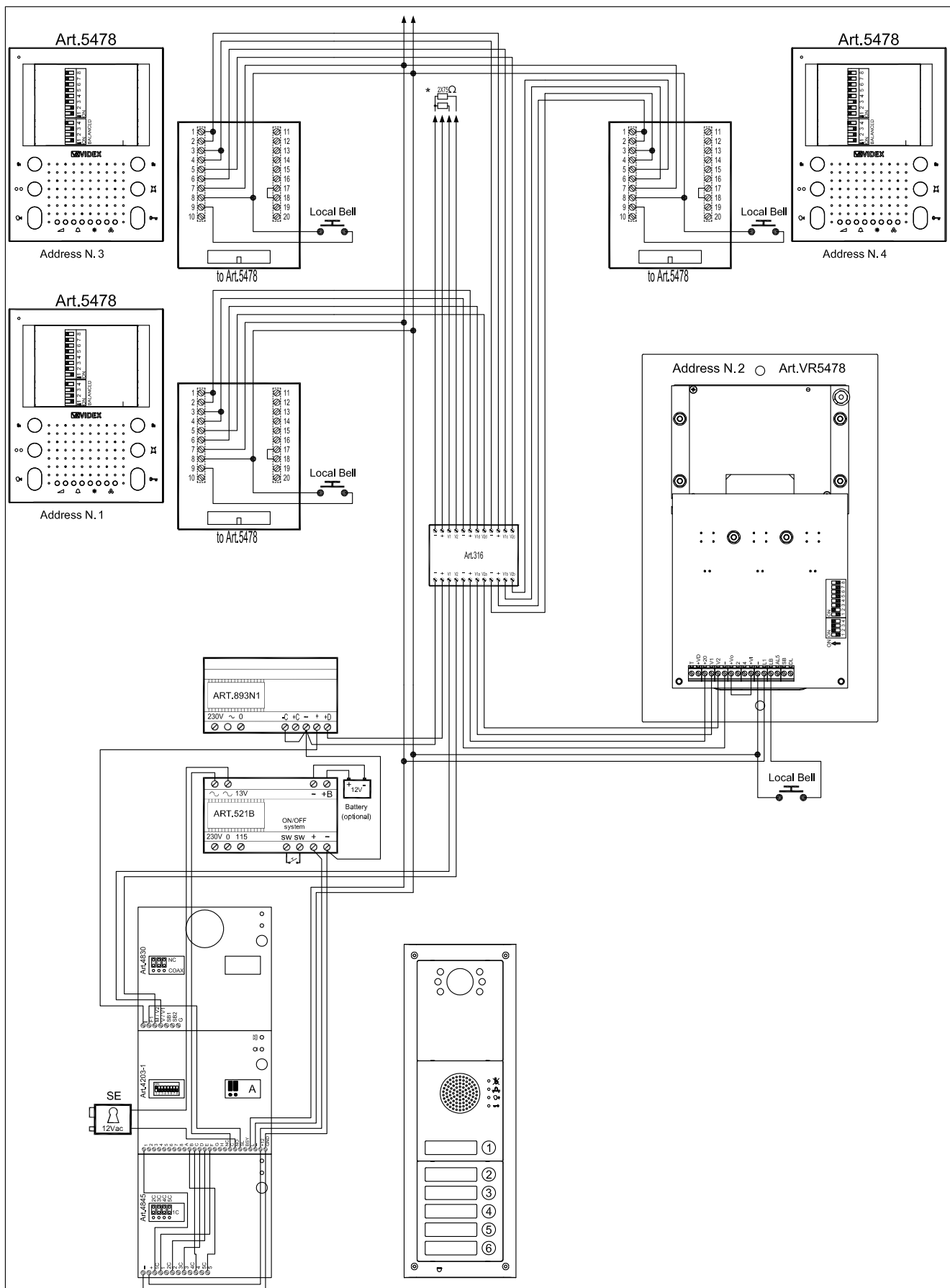Tech Line: 0191 224 3174
Fax: 0191 224 1559

CE

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 2004/108/ECC (EMC); 2006/95/ECC (LVD) and 93/68/ECC (CE marking).
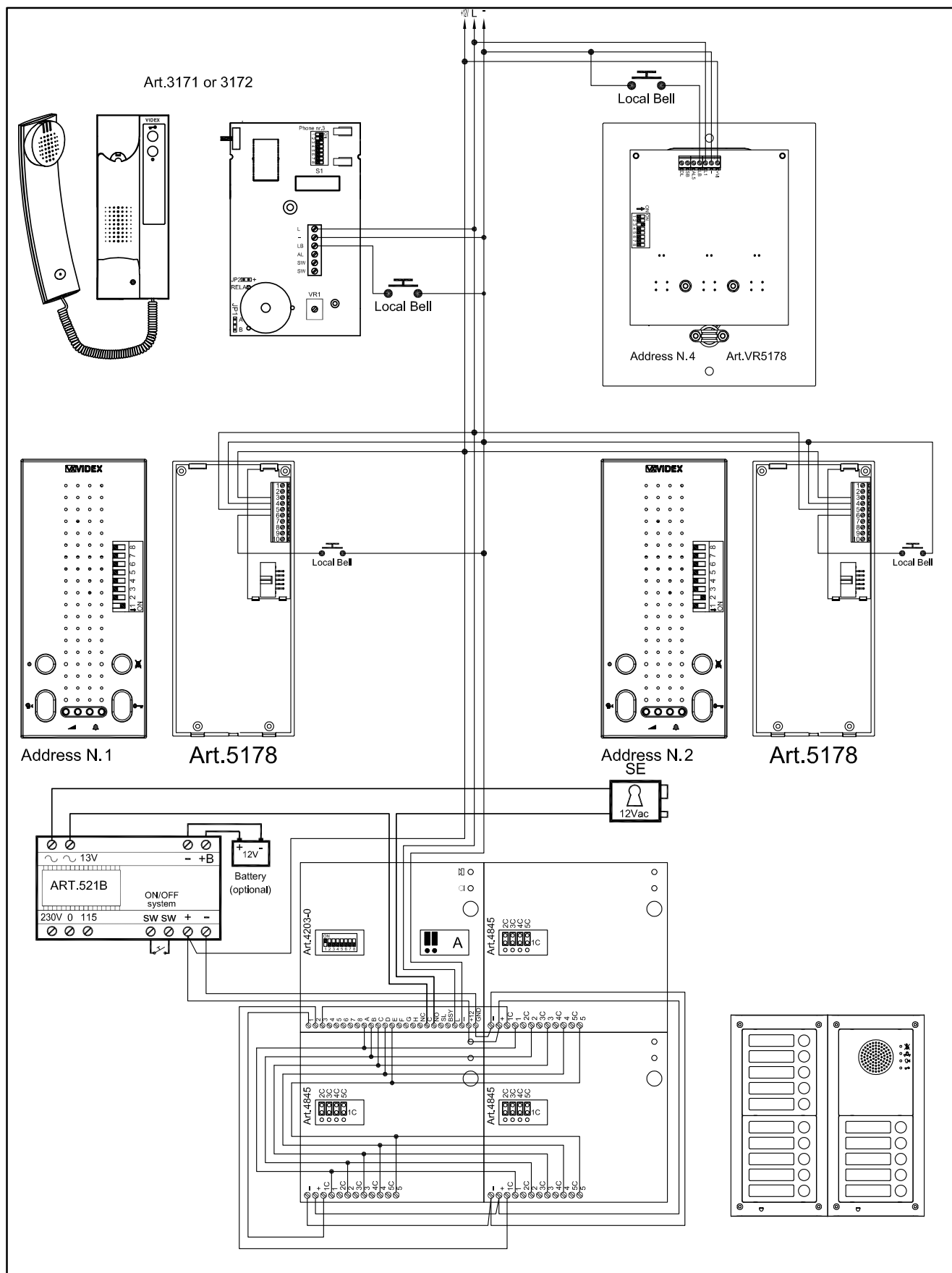
5000 Series Eclipse Vandal Resistant Range
Art. **VR5178** Hands free intercom
Art. **VR5478** Hands free video monitor

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Art.5478
Address N. 3

Art.5478
Address N. 4

Art.5478
Address N. 1

Address N. 2 Art.VR5478

to Art.5478

Local Bell

Art.316

ART.893N1
230V ~ 0

ART.521B
ON/OFF system
Battery (optional)
230V 0 115 SW SW + −

Art.4830 NC COAX

Art.4203-1

SE
12Vac

Art.4845

Local Bell

Videx Electronics S.p.A.
Via del Lavoro 1, 63020 Monte Giberto (AP)
Phone: +39 0734 631699 - Fax +39 0734 631699
www.videx.it - info@videx.it

Data creazione: 02/10/2009
Data modifica: 02/10/2009
Foglio 1 / 1
Autore: Marco Rongoni
Cod.File: 224kvd016c.dwg

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Art.3171 or 3172

Local Bell

Local Bell

Address N.4   Art.VR5178

Local Bell

Local Bell

Address N.1   Art.5178

Address N.2   Art.5178
SE

12Vac

ART.521B
ON/OFF system
230V 0 115   SW SW + −
~ ~ 13V   − +B
12V
Battery (optional)

Art.4203-0

Art.4845

Art.4845

Art.4845

Title:		Data creazione:	Foglio
1 Entrance Audio Door Entry System with functional panel		29/09/2009	1 / 1
Titolo:		Data modifica:	
Impianto citofonico ad 1 ingresso con pannello di chiamata tradizionale		02/10/2009	

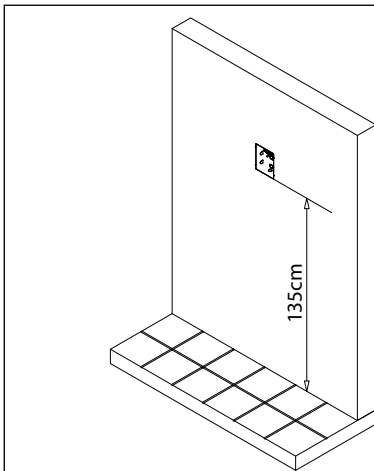# 5000 Series Eclipse Vandal Resistant Range

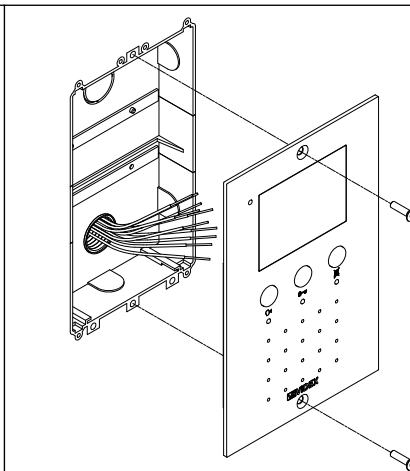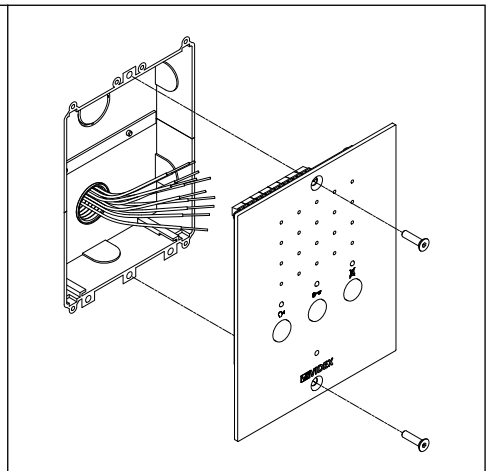Wall mounting instructions

Fig. 1

Fig. 2

Fig. 3

- Protect the fixing holes of the flush back box from dust then embed the flush back box into the wall about 135cm between the bottom of the box and the floor level as shown on the **Fig. 1**.
  Observe the direction of the box (see instruction on the bottom of the box) and take care that the box profile is in line with the finished wall profile.
- Carry out the required connections as per installation diagram provided. Fix the wires into the terminals using a 2,5mm flat screw driver.
  N.B. do not leave the unit (intercom or videomonitor) hanged so that its weight is supported only by the wires linked to it.
- After testing the system, using a 2,5mm hexagonal spanner, proceed to fix the unit (videomonitor/intercom) to the relative back box as shown in **Fig. 2** and **Fig. 3** respectively for video and audio version.