VIDEX
TECHNOLOGY FOR THE FUTURE


Fig. 1

DESCRIPTION

Voice switched hands free intercom with buttons to control "answer/end conversation/recall/simplex conversation", "door open", "privacy on/off" (programmable duration) and "service" button. In addition there are 4 LED's* to indicate the status of "answer/end conversation", "door open/closed", "privacy on/ off" and auxiliary "service" status. Call tone and loudspeaker volume controls, through assigned buttons, are also incorporated on this model. It is possible to program the melody (9 available), the number of rings (max 9) and the privacy service duration (max 20 hours). Surface wall mount installation.

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

PUSH BUTTONSAND CONTROLS

●	**Service Push Button.** When pressed, shorts internally terminal 1 ("Sb") and 8 ("Sa").
🗣≲	**Answer / simplex communicaiton / Camera Recall / End Call push button.** • Pressing this button during an incoming call will open the speech in duplex mode allowing free speech with the caller in both directions (The LED next to this button will illuminate) • Pressing and holding this button will allow the user to answer a call from a visitor at the door station in SIMPLEX speech mode (The LED next to the button will flash rapidly): releasing the button will allow the user to listen to the visitor (The LED next to the button will flash slowly). Press and hold the button when you talk to the visitor and release the button when you listen to the visitor. • When the system is in standby, (No calls on the system) operation of this button will open the speech to the door station. The LED next to the button will illuminate. • 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.
🗙	**Privacy on/off Push Button.** This button Enables / Disables the privacy function. When privacy is enabled calls will not be received and the LED next to the button will be illuminated. The duration of the privacy time is set when in the programming mode, privacy can be disabled at any time by operation of this Push Button.
0━ᵤ	**Door Open Push Button.** During a call, operation of this button will release the door from where the call originated. This will be confirmed by an acoustic tone. If terminal 10 (LD1) is connected, the "door open" LED next to the button will also be illuminated.
◢	Speech line volume control. Adjust during a conversation. Press the right button to increase or the left button to decrease.
🔔	Melody volume control. Adjust when the intercom is in standby. Press the right button to increase or the left button to decrease.

PROGRAMMING

MELODIES PROGRAMMING (FACTORY PRESET MELODY 1)

- Press and hold the two melody buttons 🔔 (for approx 10 seconds) until the unit plays the current stored melody and emits a beep.
- Press the melody button again (left or right) to listen to the available melodies (maximum 9).
- When the chosen melody has been reached, do not press any buttons wait 3 seconds for the exit beep.
- The new melody is now stored.

NUMBER OF RINGS PROGRAMMING (FACTORY PRESET = 6 RINGS)

- Press and hold the 🗣 button (for approx 10 seconds) until the unit emits a beep.
- Press the 🗣 button as many times as the number of rings required (i.e. 6 presses = 6 rings with a maximum of 9 rings)
- Once the number of rings required has been reached, wait 3 seconds for the exit beep.
- The new value is now stored.

PRIVACY DURATION PROGRAMMING (FACTORY PRESET = WITHOUT TIME OUT)

- Press and hold the ✗ button (for approx 10 seconds) until the unit emits a beep.
- Press the ✗ button again to set the privacy duration. Each time the button is pressed, it will increase the privacy duration by 15 minutes (starting from 0 up to a maximum of 20 hours i.e. pressing the button 8 times = 2 hours up to a maximum of 80 presses for 20 hours). Once the required privacy duration has been reached, wait 3 seconds for the exit beep.To set the privacy with no time out Press and hold the ✗ button (for approx 10 seconds) until the unit emits a beep **do not press any other button wait 3 seconds for the exit beep.**
- The new value is now stored.

RESTORE TO FACTORY PRESET

- Power on the intercom keeping pressed the 🗣;
- The intercom will emit a beep to confirm the operation;
- Release the 🗣 button.

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

- Remove the intercom cover and disconnect it from the BUS
- Keeping pressed the ✗ button reconnect the intercom to the BUS
- When the privacy LED flashes once to confirm that the function is enabled, release the button.

INTERCOM ADDRESS SETUP

Each intercom address is binary (PHONE ID) using the 8 way dipswitches located on the rear of the unit. Each switch correspond 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

INTERCOM CONNECTION BOARD
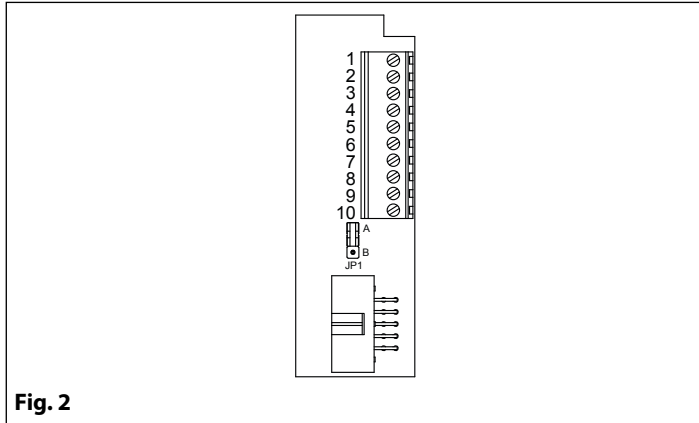
Fig. 2

SIGNALS ON CONNECTION TERMINALS		
Terminal	**Signal**	**Description**
1	**Sb**	● button terminal 1
2	**−LD**	"Aux" and "Door Open" LEDs ground
3	**+12V**	+12Vdc power supply input
4	**GND**	"Bus" line ground
5	**L**	"Bus" line data
6	**LB**	Local bell input
7	**AL**	Active low alarm input
8	**Sa**	● button terminal 2
9	**AUL**	"Aux" LED power supply input +12Vdc
10	**DOL**	"Door Open" LED power supply input +12Vdc

TECHNICAL SPECIFICATION

Housing/Mounting: 5000 Series Intercoms / direct wall mount
Push buttons: Yes, 4
Programming: Yes, carried out by the dip-switches located on the rear of the videophone
Controls: Loudspeaker and call tone volume
Power Supply: Supplied by the BUS line
Power consumption: Stand-by: 7mA
Max: 100mA
Working Temperature: -10 +50 ℃

Address N. 3   Art.5178

Address N. 4   Art.5178

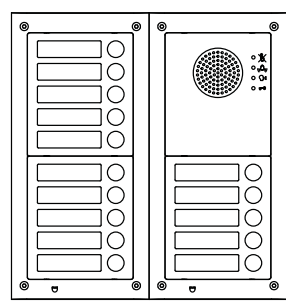Local Bell

Local Bell

Address N. 1   Art.5178

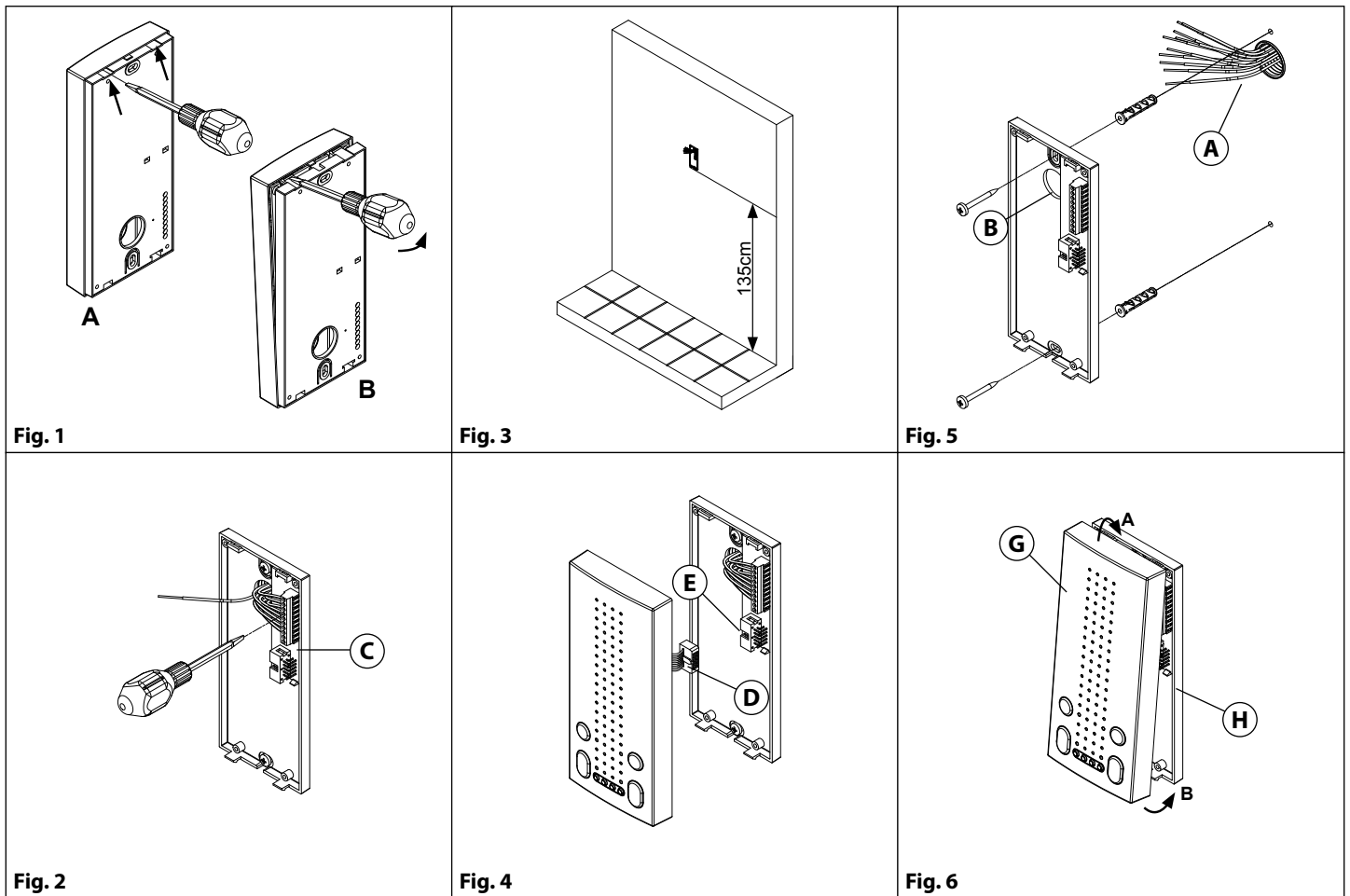Address N. 2   Art.5178

Local Bell

Local Bell

SE
12Vac
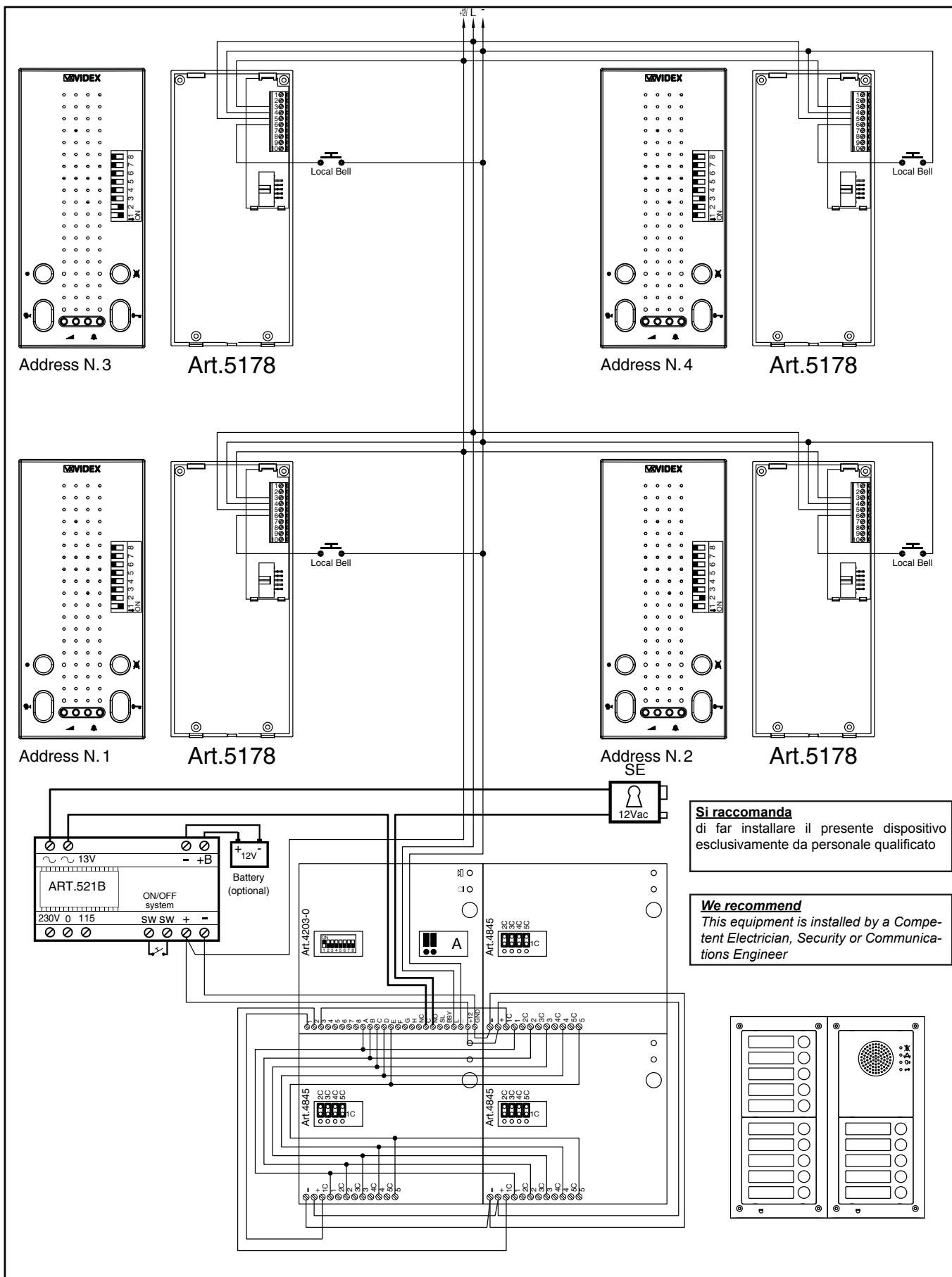
Si raccomanda
di far installare il presente dispositivo esclusivamente da personale qualificato

We recommend
This equipment is installed by a Competent Electrician, Security or Communications Engineer

ART.521B

~ ~ 13V   − +B

+ 12V
Battery (optional)

ON/OFF system

230V 0 115   SW SW + −

Art.4203-0

A

Art.4845

Art.4845

Art.4845

Title: 1 Entrance Audio Door Entry System with functional panel	Data creazione: 27/03/2008	Foglio
Titolo: Impianto citofonico ad 1 ingresso con pannello di chiamata tradizionale	Data modifica: 27/03/2008	1 / 1

Videx Electronics S.p.A.
Via del Lavoro 1, 63020 Monte Giberto (AP)
Phone: +39 0734 631669 - Fax +39 0734 631669
www.videx.it - info@videx.it

Notes:
Note:

Autore: Marco Rongoni
Cod.File: 224kau001a.dwg

4

VIDEX
TECHNOLOGY FOR THE FUTURE

Fig. 1

Fig. 3

Fig. 5

Fig. 2

Fig. 4

Fig. 6

1. As shown in **Fig. 1**, looking at the rear of the intercom, insert the tip of a flat blade screwdriver into one of the two openings **(Fig. 1A)** then slightly move the screwdriver in an upward direction to release the front from the back plate and opening the intercom unit **(Fig. 1B)**. **Take care!** The back plate of the intercom houses the pcb connection board which is normally connected to the pcb in the front of the intercom by the ribbon cable, the ribbon cable should not be connected when first opened.
2. Place the back plate of the intercom against the wall at approximately 135cm **(Fig. 2)** above finished floor level, then mark the fixing holes taking into account that the cable group Ⓐ must feed into the opening Ⓑ **(Fig. 3)**.
3. As shown in **Fig. 3**, fix the back plate of the intercom to the wall feeding the cable group Ⓐ through opening Ⓑ.
4. Using a flat blade screwdriver connect the wires to the pcb connection board Ⓒ as shown in **Fig. 4**, according to the installation diagram provided.
5. Connect ribbon cable plug Ⓓ from the front plate into plug Ⓔ on the pcb connection board as shown in **Fig. 5**.
6. Close the intercom by hooking the front plate Ⓖ to the back plate Ⓗ as described below:
- Hook the top of the front plate Ⓖ to the top of the back plate as shown by pointer **A** in **Fig. 6**.
- Move the lower side of the front plate Ⓖ towards the back plate Ⓗ and press until the unit locks into the back plate of the intercom.

To open the intercom once installed, firmly grasp the bottom sides of the front plate cover, pull forward in an upward direction to separate the front cover from the back plate as in **Fig. 6**.

⚠ **NB. Please take care when opening to avoid damage, remember that the ribbon cable connects the front plate to the back plate connector pcb.**

Art. 5178N - Installation instructions

66250730-EN - V2.0 - 09/10/15

VIDEX
TECHNOLOGY FOR THE FUTURE

MADE IN ITALY

Cert. N. IT05/1217

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

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

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).