One button audio DDA door entry kit with voice prompts and back lit LCD display

Introduction

The door entry kit has the following features:

- **Electronic call tone -** Upon a call being initiated, the telephone will attract the attention of the occupant with up to six rings.
- **Timed door release -** Upon pressing the door release button on the telephone, a dry contact relay within the door panel will energise for 5 seconds. (This can be adjusted using the PC programming kit)
- **Visual indication of call progress on the door panel –** The door panel has a back lit 2 line 16 character display which will indicate in English text, the stage of a call (i.e. CALL IN PROGESS, SPEAK, DOOR OPEN etc). The call button will be illuminated permanently.
- **Call tone volume adjust –** The volume can be adjusted using a three position volume control located on the telephone.
- **Voice prompts –** Upon pressing a button the door panel will announce the call. Other announcements include 'THE DOOR IS OPEN' and 'ANOTHER CALL IS IN PROGRESS PLEASE WAIT'
- **Programmable messages –** Using the PC programmer kit for the VX2200 series system it is possible to program two standby display messages, the door open time, flat numbers and occupants names and the voice as either male or female.

Components

The standard components of the kit are as follows:

- **Door panel (2202/DDA) -** A one button vandal resistant flush fitting door panel with large illuminated call button with raised letters and Braille, a back lit LCD display and voice prompts.
- **Audio telephone (3171) –** A white ABS plastic wall mountable telephone with three position call tone volume adjust, door release button and spare service button.
- **Power supply (521) –** A 13.8Vdc DIN rail or wall mountable power supply unit capable of supplying up to 800mA continuous or 1A surge.

Connections

Door panel-
- **Amplifier**
  - GND - Ground from power supply
  - 12V - 12Vdc from power supply
  - - - Negative to telephone
  - L - Bus connection to telephone (Always 7.5Vdc)
  - BS - Busy signal to other door panels
  - LS - Switched negative (Becomes a negative for duration of a call)
  - NC - Normally closed connection of dry contact lock relay
  - C - Common connection of dry contact lock relay
  - NO - Normally open connection of dry contact lock relay
  - TRD - NOT USED
  - PTE - Push to exit input (Switch to ground to activate relay)
- **Button**
  - SW - Normally open switch
  - SW - Other side of normally open switch
  - Lamp - One side of illumination (12Vdc)
  - Lamp - Other side of illumination (0V)

Telephone-
- L - Bus connection (Should always read 7.5Vdc)
- - - Ground
- LB - Connection for local door bell push (Switched negative)
- AL - Panic button (Requires concierge)
- SW - One side of spare services button
- SW - Other side of spare services button

Power supply-

- o + - +13.8V DC
- o - - 0V

Cable size

distance up to	(-) (L) Signals		Max. Resistence
100m	0.3mm²	AWG22	
200m	0.6mm²	AWG19	7.5 Ohms
350m	1.0mm²	AWG17	
500m	1.5mm²	AWG15	

Lock release back EMF protection

A capacitor must be fitted across the terminals on an <u>AC lock release</u> and a diode must be fitted across the terminals on a <u>DC lock release</u> to suppress back EMF voltages. The diagrams below show how to connect these components to the lock releases.
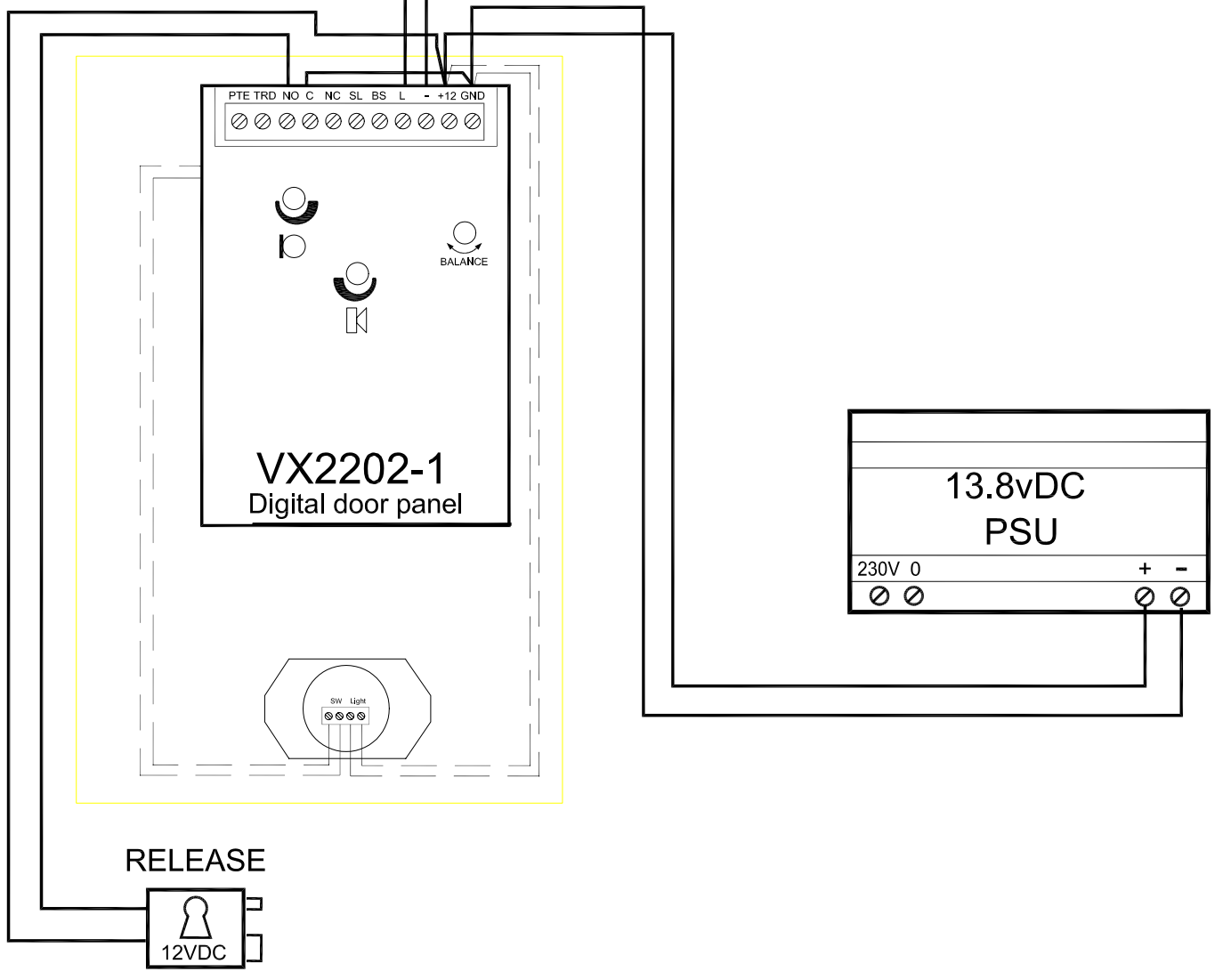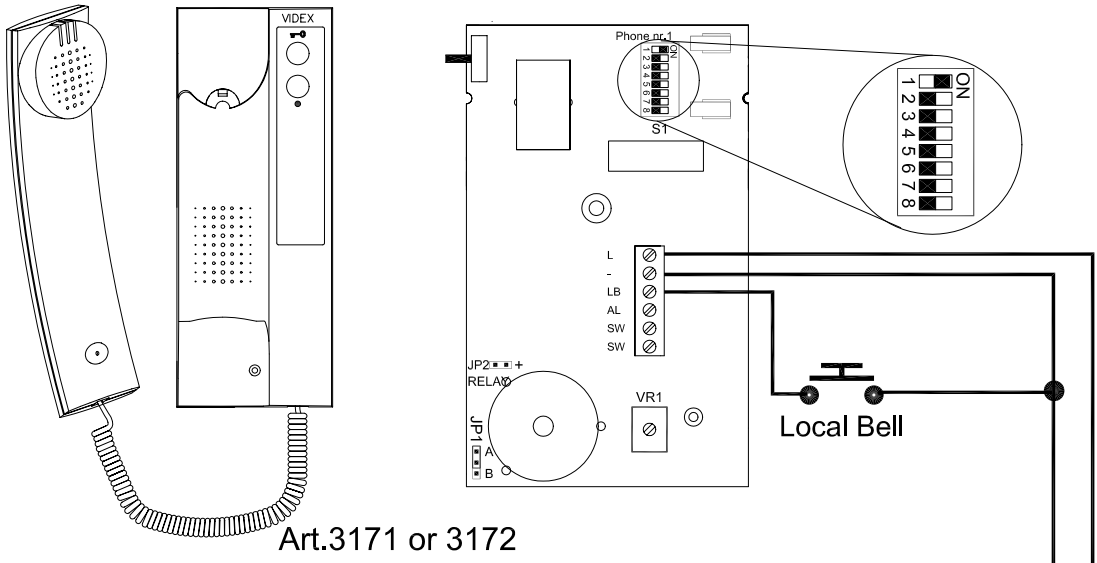
~ ~

0.1uF capacitor

12V AC LOCK RELEASE

- +

DIODE 1N4002

-   **+**

12V DC LOCK RELEASE
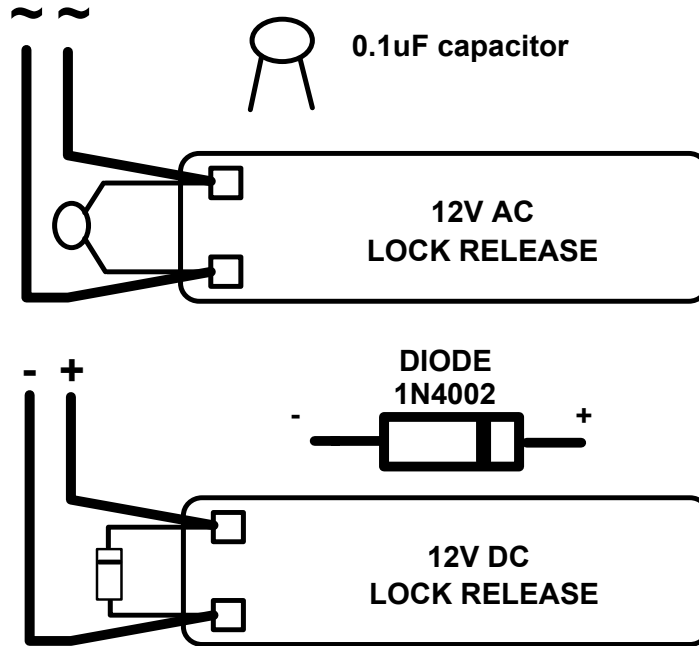
Dip Switch setting   Set the dip switches in the telephone as shown (must be set before powering up system).

Art.3171 DIP-SWITCH setting		1	2	3	4	5	6	7
Flat. Nr.	ON / OFF	1	2	3	4	5	6	7
1		ON	OFF	OFF	OFF	OFF	OFF	OFF
2		OFF	ON	OFF	OFF	OFF	OFF	OFF
3		ON	ON	OFF	OFF	OFF	OFF	OFF
4		OFF	OFF	ON	OFF	OFF	OFF	OFF
5		ON	OFF	ON	OFF	OFF	OFF	OFF
6		OFF	ON	ON	OFF	OFF	OFF	OFF
7		ON	ON	ON	OFF	OFF	OFF	OFF
8		OFF	OFF	OFF	ON	OFF	OFF	OFF
9		ON	OFF	OFF	ON	OFF	OFF	OFF
10		OFF	ON	OFF	ON	OFF	OFF	OFF

Art.3171 DIP-SWITCH setting		1	2	3	4	5	6	7
Flat. Nr.	ON / OFF	1	2	3	4	5	6	7
11		ON	ON	OFF	ON	OFF	OFF	OFF
12		OFF	OFF	ON	ON	OFF	OFF	OFF
13		ON	OFF	ON	ON	OFF	OFF	OFF
14		OFF	ON	ON	ON	OFF	OFF	OFF
15		ON	ON	ON	ON	OFF	OFF	OFF
16		OFF	OFF	OFF	OFF	ON	OFF	OFF
17		ON	OFF	OFF	OFF	ON	OFF	OFF
18		OFF	ON	OFF	OFF	ON	OFF	OFF
19		ON	ON	OFF	OFF	ON	OFF	OFF
20		OFF	OFF	ON	OFF	ON	OFF	OFF

If help is required for installing or operating this kit, please contact our technical department on:
+39 734 631669 (all countries) or 0191-224-3174 (UK)

VIDEX

Phone nr.1

ON
1 2 3 4 5 6 7 8

S1

ON
1 2 3 4 5 6 7 8

L
-
LB
AL
SW
SW

JP2 + RELAY

JP1 A
B

VR1

Local Bell

Art.3171 or 3172

PTE TRD NO C NC SL BS L - +12 GND

BALANCE

VX2202-1
Digital door panel

SW Light

13.8vDC
PSU

230V 0   + -
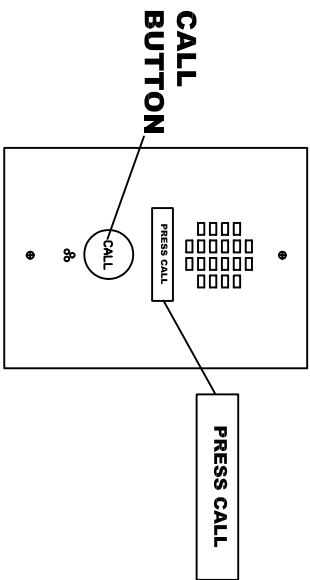
RELEASE
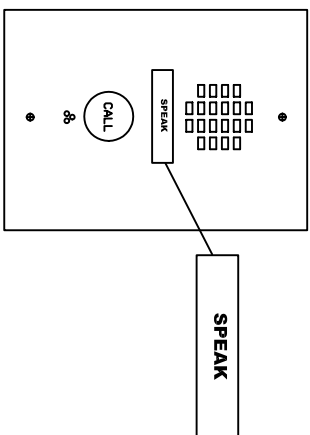
12VDC

VIDEX

USER INSTRUCTIONS

VIDEX

25HSP/DDA KIT

VXWD25HDDAUSER

CALLING AN APARTMENT

PRESS THE CALL BUTTON AND AWAIT A REPLY. THE DISPLAY WILL INDICATE THE CALL IS IN PROGRESS AND THE DOOR PANEL WILL VERBALLY ANNOUNCE THE CALL.

CALL BUTTON

PRESS CALL

WHEN THE TENANT ANSWERS YOU MAY SPEAK. THE DISPLAY WILL SHOW SPEAK

SPEAK

THE TENANT WILL THEN EITHER OPEN THE DOOR OR HANG UP. IF THE DOOR IS OPENED THE DISPLAY WILL SHOW DOOR OPEN AND THE PANEL WILL SAY "THE DOOR IS OPEN"
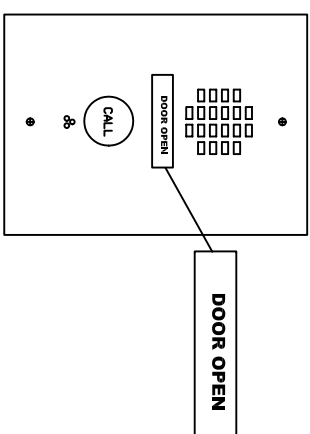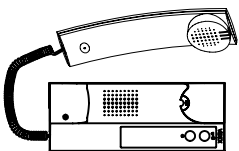
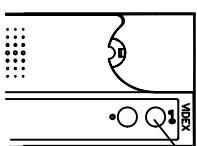**DOOR OPEN**

ANSWERING A CALL

WHEN A CALL IS PLACED TO YOUR APARTMENT, AN AUDIBLE TONE WILL BE HEARD FROM THE HANDSET.
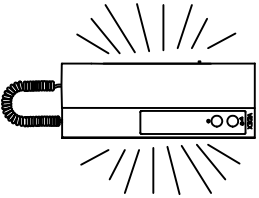
PICKUP THE HANDSET AND SPEAK TO THE CALLER.

IF YOU WISH TO LET THE CALLER GAIN ACCESS, PRESS THE 'DOOR OPEN' BUTTON ON THE HANDSET. IF YOU DO NOT WISH TO LET THE CALLER GAIN ACCESS, SIMPLY HANG UP.
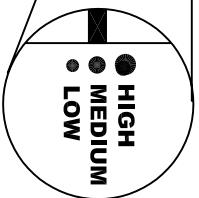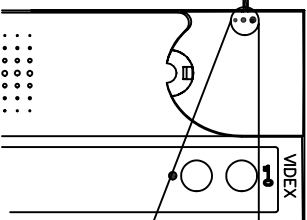
DOOR OPEN BUTTON

THE SECOND BUTTON CAN BE USED FOR A NUMBER OF SERVICES INCLUDING OPENING GATES, ACTIVATING CAMERAS OR SWITCHING ON LIGHTS.

SPARE SERVICE BUTTON

CALL VOLUME ADJUST

A SWITCH LOCATED ON THE TOP LEFT SIDE OF THE PHONE IS AVAILABLE TO ADJUST THE RINGING VOLUME. THREE POSITIONS ARE AVAILABLE, INDICATED BY THE THREE DOTS UNDER THE HAND PIECE.

VOLUME SWITCH

HIGH
MEDIUM
LOW

SECOND BUTTON