

One button audio DDA door entry kit

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 ten warbled 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.
- **Visual indication of call progress on the door panel** – In standby, the door panel call button will be illuminated awaiting being pressed. Upon pressing the button, the illumination will begin to flash and during the conversation and door release the button illumination will be off. Additionally three LED's indicate when the telephone is ringing (Red LED), when to speak (Yellow LED), and when the door is open (Green LED).
- **Call tone volume adjust** – The volume can be adjusted using a three position volume control located on the telephone.

Components

The standard components of the kit are as follows:

- **Door panel (VR1N/DDA)** - A one button vandal resistant flush fitting door panel with large illuminated call button with raised letters and Braille.
- **Audio telephone (3111)** – 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**
 - 1 - Receive speech from telephone (12Vdc on hook, 4Vdc off hook)
 - 2 - Transmit speech to telephone (12Vdc on hook, 1Vdc off hook)
 - 3 - Positive supply to amplifier (12Vdc)
 - 4 - Negative (0V) connection to amplifier
- **Button**
 - SW - Normally open switch
 - SW - Other side of normally open switch
 - Lamp - One side of illumination (12Vdc)
 - Lamp - Other side of illumination (0V)
- **Control PCB**
 - 5 - Door release from telephone (Switched negative from 5Vdc)
 - 4 - Call tone out to telephone
 - Tr - Trigger from call button to initiate a call (Triggers on 12V dc)
 - 2 - Handset lift detection line (12Vdc on hook, 1Vdc off hook)
 - Gnd - 0V from power supply
 - +12 - 12Vdc from power supply
 - CO - Common connection of dry contact lock relay
 - NO - Normally open connection of dry contact relay
 - NC - Normally closed connection of dry contact relay

Telephone-

- 4 - Call tone in from door panel
- 6 - Not used
- 2 - Receive speech from door panel
- 1 - Transmit speech to door panel
- 3 - Negative (0V) connection
- 5 - Lock release command (Switched negative from 5Vdc)

Power supply-

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

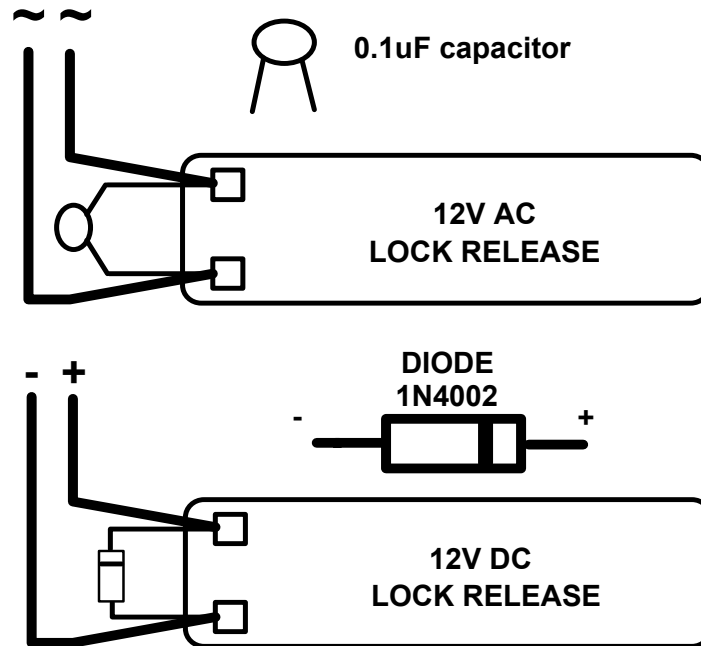
Cable size

Videx recommend using CW1308 specification cable on this system. The core size will depend on the distance between the different components. (Core size can be increased by using several cores from the same connection).

- Connections from PSU to door panel should be a minimum of 1mm² and a maximum resistance of 5Ω
- Connections from door panel to telephone should be a maximum resistance of 10Ω

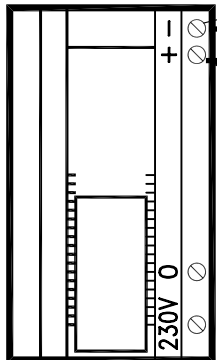
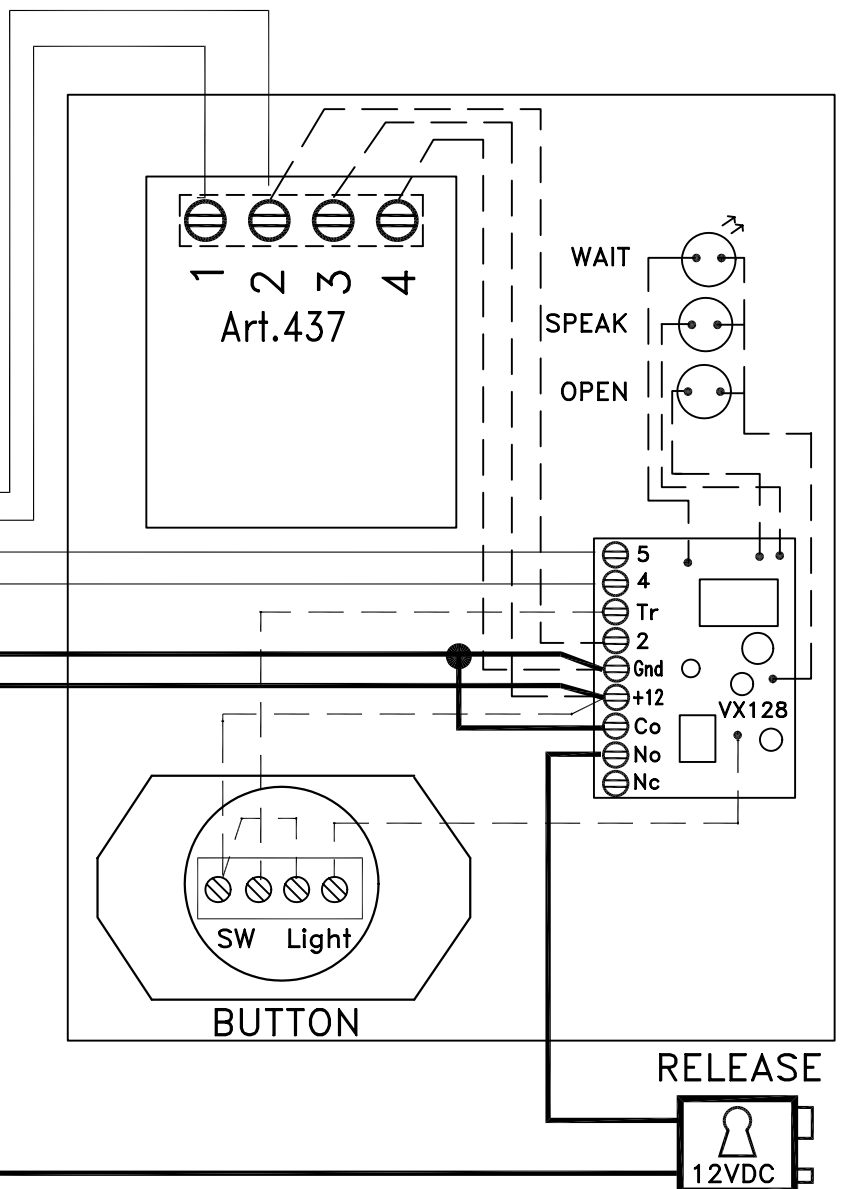
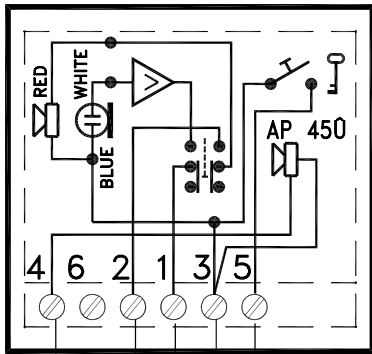
Lock release back EMF protection

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



Art:3111

25H / DDA



Art.521

NOTE: Dashed lines are pre-wired.

VIDEX

USER INSTRUCTIONS

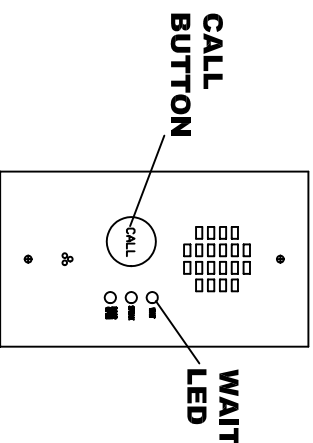


25H/DDA KIT

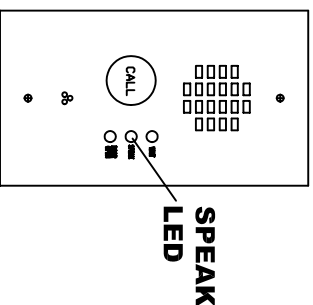
VXWD25HDDAUSER

CALLING AN APARTMENT

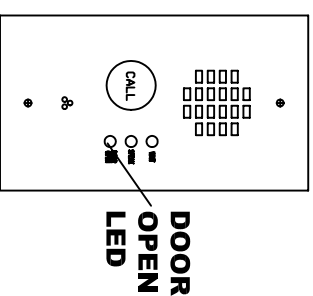
PRESS THE CALL BUTTON AND AWAIT A REPLY. THE BUTTON WILL BEGIN TO FLASH AND THE RED WAIT LED WILL ILLUMINATE DURING THE RINGING.



WHEN THE TENANT ANSWERS YOU MAY SPEAK. THE BUTTON ILLUMINATION WILL SWITCH OFF AND THE YELLOW SPEAK LED WILL SWITCH ON.

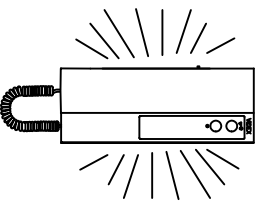


THE TENANT WILL THEN EITHER OPEN THE DOOR OR HANG UP. IF THE DOOR IS OPENED THE GREEN DOOR OPEN LED WILL ILLUMINATE. WHEN THE TENANT HANGS UP THE BUTTON ILLUMINATION WILL SWITCH BACK ON.

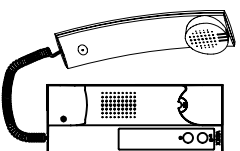


ANSWERING A CALL

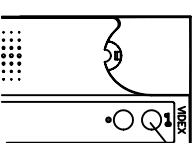
WHEN A CALL IS PLACED TO YOUR APARTMENT, AN AUDIBLE TONE WILL BE HEARD FROM THE HANDSET.



PICKUP THE HANDSET AND SPEAK TO THE CALLER.

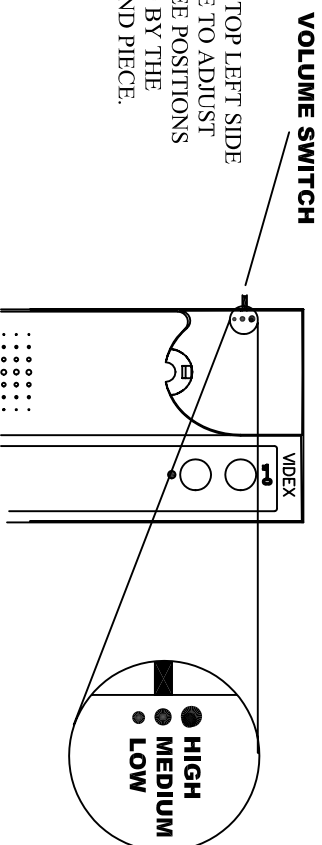


IF YOU WISH TO LET THE CALLER GAIN ACCESS, PRESS THE 'DOOR OPEN' BUTTON ON THE HANDSET. IF YOU DO NOT WISH TO LET THE CALLER GAIN ACCESS, SIMPLY HANG UP.



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.



SECOND BUTTON

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

