

One button video 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 an electronic call tone.
- **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 (VR1VK/DDA)** - A one button vandal resistant flush fitting door panel with large illuminated call button with raised letters and Braille, LED call progress indication and mono camera with IR illumination..
- **Videophone (3351)** – A white ABS plastic wall mountable videophone with three position call tone volume adjust, door release button and three spare service buttons.
- **Power supply (850K)** – A 24Vac DIN rail or wall mountable power supply unit capable of supplying up to 1A.

Connections

Door panel-

- **831K**
 - 1 - Receive speech from telephone (12Vdc on hook, 4Vdc off hook, 0V during lock press)
 - 2 - Transmit speech to telephone (12Vdc on hook, 1Vdc off hook, 3V during camera recall press)
 - + - Positive supply to unit 28Vdc unregulated.
 - - - Negative (0V) connection to unit
 - V1 - Non-coax video connection
 - V2 - Non-coax video connection (Also used to switch on videophone)
 - S - Switched +12V to lock release.
- **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 - NOT USED
 - 4 - NOT USED
 - 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 - NOT USED
 - NO - NOT USED
 - NC - NOT USED

Videophone-

- 1 - V2, Video connection
- 2 - 2, Receive speech from door panel
- 3 - -, Ground
- 4 - +, 28Vdc out (Unregulated)
- 5 - NOT USED

- 6 - 1, Transmit speech to door panel
- 7 - NOT USED
- 8 - NOT USED
- 9 - ~, From 850K transformer (24Vac)
- 10 - ~, From 850K transformer (24Vac)
- 11 - Switch S2 (Connects to terminal 18)
- 12 - NOT USED
- 13 - T, Call tone out to extension sounders and audio telephones
- 14 - +12, 12V output
- 15 - V1, Video line
- 16 - Switch S1 (Connects to terminal 18)
- 17 - Switch ●● (Connects to terminal 18)
- 18 - Common side of switches S1, S2 and ●●

Power supply-

- ~ - 24Vac
- ~ - 24Vac

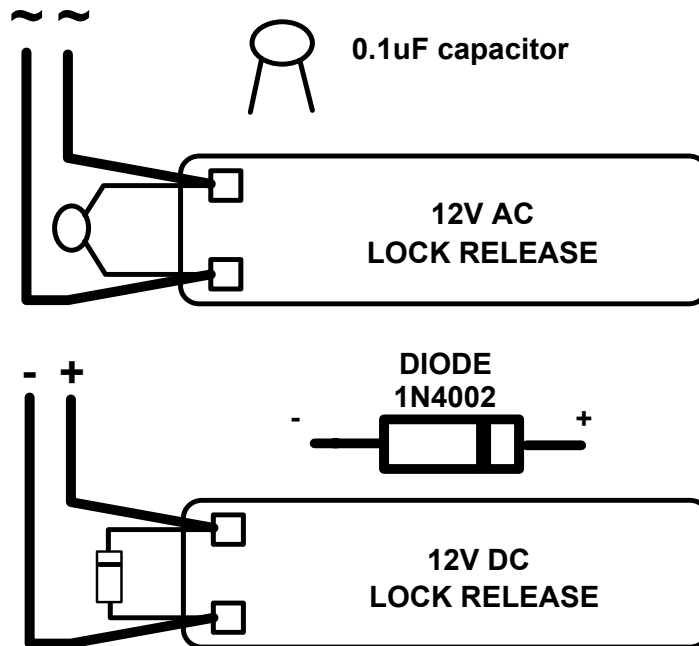
Cable size and type

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 for the same connection).

- Connections from PSU to door panel should be a minimum of 1mm² and a maximum distance of 20m
- Connections from door panel to videophone
 - Up to 50m: All connections 0.35mm² (Double up on CW1308 cores)
 - From 50m to 100m: Connections + & - 0.75mm², all others 0.5mm²
 - From 100m to 200m: Connections + & - 1.5mm², all others 0.75mm²

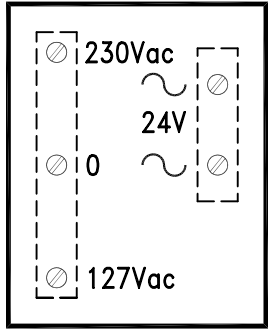
Lock release back EMF protection

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.

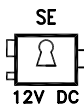
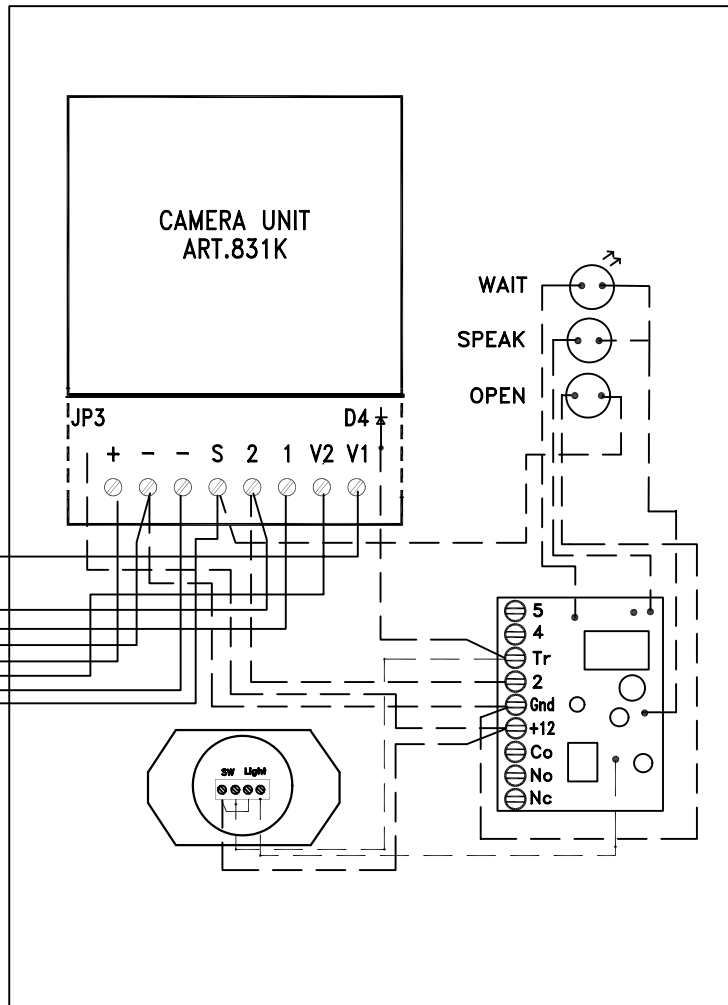
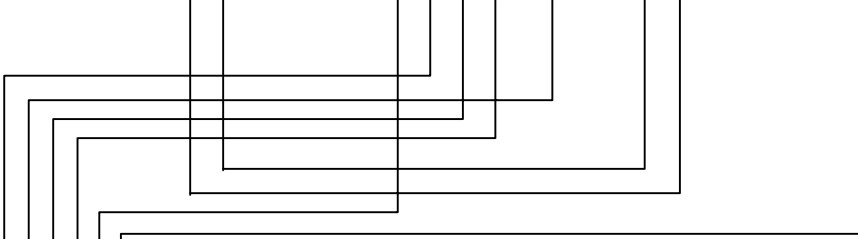
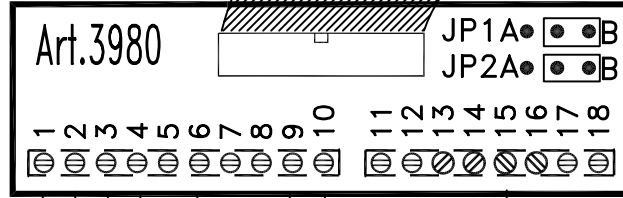
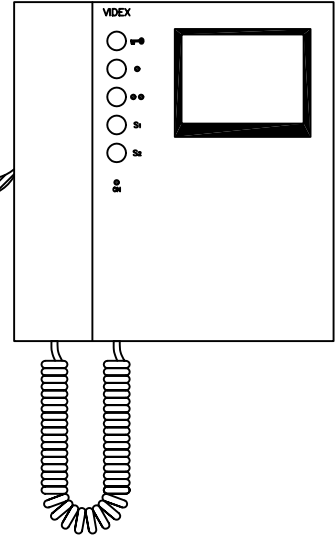


TRANSFORMER

ART.850K



Art.3351
3451



Pre-wired



VIDEX

USER

INSTRUCTIONS

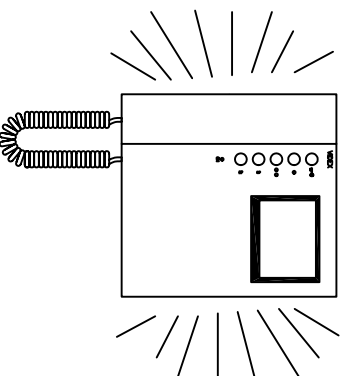


VK6N

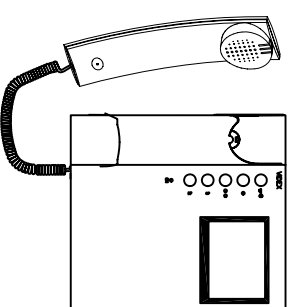
VXWWD10054VK6

ANSWERING THE DOOR

The phone will ring and the monitor will switch on.



When you pick up the handset you may talk to the caller. You may then either press the lock button to open the door or hang up.



CALLING THE PICTURE

When calling the picture, the handset does not need to be lifted.

Simply press the single dot button once.

The picture will appear and stay for approx. one minute.

