

INTERCOM 3 PCB

APARTMENT STATION INTERFACE

NOTE : THESE INSTRUCTIONS SHOULD BE USED IN CONJUNCTION WITH THE SYSTEM MANUAL (I.E. SENTRY, SENTRY1 OR SENTRY 2 MANUAL).

INTRODUCTION

The intercom 3 PCB enables the use of standard Videx apartment stations on either the Sentry, Sentry 1 or Sentry 2 door entry systems. The apartment stations available are :-

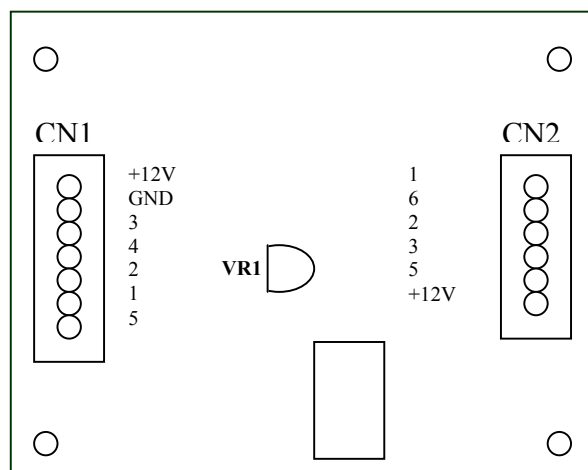
- ❑ **Art500** :- Standard apartment station c/w on/off slide switch.
- ❑ **Art500M** :- As above c/w electronic privacy switch, privacy LED and Door open LED.
- ❑ **Art500ST** :- As above c/w timed privacy.

The connections for the apartment stations are as follows :-

TYPE	SELECT	SW+	TALK	LOCK	AUDIO	GND	SUPPLY	DOOR OPEN
Art500	4	2	6	1	3	5	N/A	N/A
Art500M	4	2	6	1	3	5	+	D
Art500ST	4	2	6	1	3	5	+	D

INTERCOM 3 CONNECTIONS

- CN1**
- +12V - +12V DC IN
 - GND - GROUND
 - 3 - SWITCHED 12V DC
 - 4 - CALL TONE
 - 2 - RECEIVE SPEECH
 - 1 - TRANSMIT SPEECH
 - 5 - LOCK TRIGGER
- CN2**
- 1 - LOCK TRIGGER
 - 6 - TALK BUTTON
 - 2 - SWITCHED +12V
 - 3 - SPEAKER
 - 5 - GROUND
 - +12V - +12V DC OUT



INSTALLATION

Follow the relevant attached wiring diagram. When running cables for any intercom system, the cables must be installed separate from the mains cables. All multipair cables should be to CW1308 specification. (0.5mm twisted pair telephone cable). Max. resistance 10 Ohms.

Lock release cables should be doubled up. Max resistance 3 Ohms.

The cable sizes above can be used for distances up to 100m. On distances above 100m the cables sizes should be increased to keep the overall resistance of the cable below the resistances indicated above.

Safety note : The earth wire from the cabinet lid should be connected to the cabinet base and then to the earth terminal on the PSU. This should be checked for continuity.

TEST & SETUP

After the system installation is completed the system should be fully tested. To do this, a call should be placed to each apartment and the speech and door open checked.

In the event of the speech needing to be adjusted to eliminate feedback or to increase the speech volume to an acceptable level the following options are available :-

Option 1. The speech can be adjusted at the door panel amplifier by adjusting the two volume controls (One for transmitting to the apartment and one for receiving from the apartment).

Option 2. There is also a volume POT [VR1] on the intercom 3 PCB. This will adjust both directions of speech at the same time and is only intended for situations when the volume cannot be adjusted sufficiently at the door panel. (Note: This will also adjust the call tone volume both at the door and at the apartment station).