Installation Manual
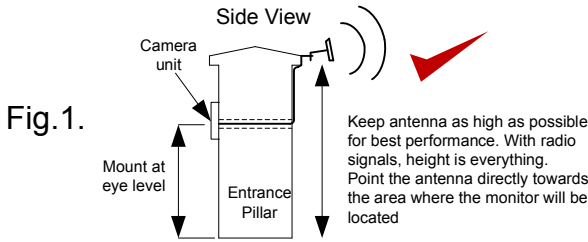
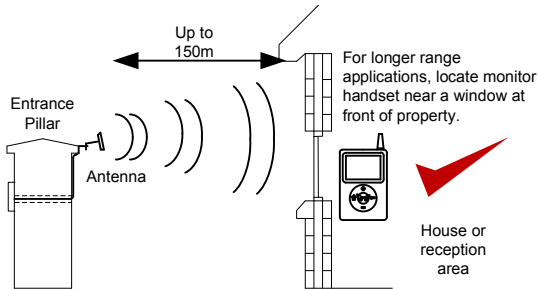## Installation

1) Before you install this equipment, please read this full manual.

2) Before screwing the camera unit to a wall or pillar, quickly connect 12v power to the camera unit, power up the monitor unit, and RANGE TEST the system to check if it works at your required distance!

3) As per Fig 1, install the speech panel on the front of the pillar.

Side View

Camera unit

Fig.1.

Mount at eye level

Entrance Pillar

Keep antenna as high as possible for best performance. With radio signals, height is everything. Point the antenna directly towards the area where the monitor will be located
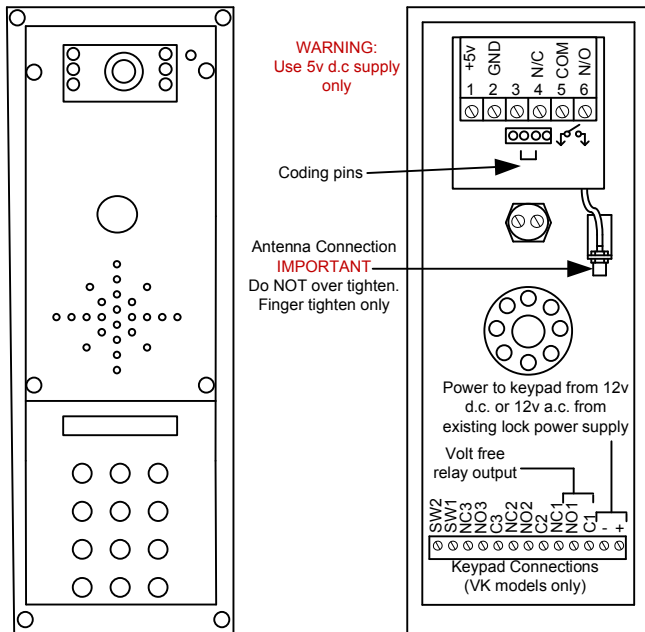
4) Install the antenna as high as possible on the top of the pillar to ensure line of sight in all directions for best possible reception.

Note: Wood and glass only reduce signal strength by 10-20%. Masonry will reduce signal strength by 20-50% per wall. Metal can totally block signals.
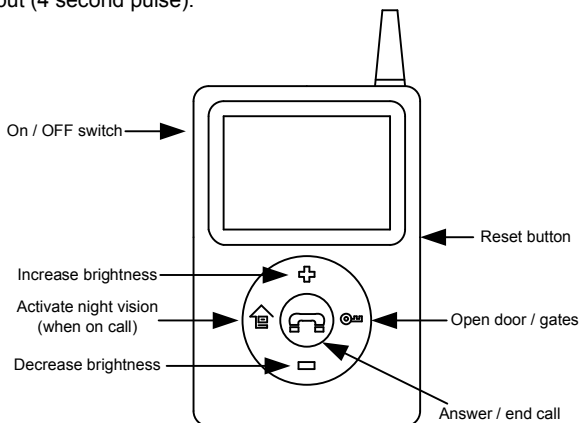

Up to 150m

Entrance Pillar

Antenna

For longer range applications, locate monitor handset near a window at front of property.

House or reception area

Wiring

5) Open the unit by removing the 4 OUTER screws as shown.

6) Connect 12v d.c observing polarity.

WARNING: Use 5v d.c supply only

+5v	GND	N/C	COM	N/O
1	2	3	4	5	6

Coding pins

Antenna Connection
IMPORTANT
Do NOT over tighten. Finger tighten only

Power to keypad from 12v d.c. or 12v a.c. from existing lock power supply

Volt free relay output

SW2 SW1 NC3 NC3 C3 NC2 NO2 C2 NC1 NO1 C1 - +

Keypad Connections (VK models only)

7) For automatic gates, use pins 5 and 6 for volt free momentary relay output (4 second pulse).

On / OFF switch

Reset button

Increase brightness

Activate night vision (when on call)

Open door / gates

Decrease brightness

Answer / end call

Operation and Testing

1) Plug in the charger for the charging cradle and charge the monitor. For best performance from the battery, it is recommended to give the handset a 12 hour charge before use.

2) To begin using, switch on the monitor by pressing ON switch for 2-3 seconds.

3) Press the call button on the speech panel. The handset should ring.

4) Once the handset rings, press the answer call button.

5) If using at night, you can activate night vision mode by pressing the night vision button.

6) Check for 2 way voice, and that you can see a series of still frames from the digital camera. Note: After visually identifying the visitor, you must hold the monitor handset close to your ear like a normal phone in order to hear properly.

7) Press the door / gate release button.

8) End the call by pressing the end call button.

Coding (for adding extra handsets)

1) On the new monitor, press the button to activate the screen display.

2) Then press the button.

3) The LCD screen should display a menu, and will show the settings symbol.

4) Use and to navigate, to escape or go back one level, and to accept or enter.

5) Press to select the settings option.

6) You will have 2 choices..
● Own ID number
● Security Password

7) Press to select Own ID number.

8) This will usually be defaulted to 1. For adding a second handset, this must be changed to 2, and for a third changed to 3.

9) Press to change to the required ID number.

10) Press to escape up on level, and then use to navigate to code and select this option.

11) You will be asked for a security pass code. Default is 0000. Press enter to accept the default unless you have changed it.

12) Repeat this step with the existing handset monitor so that both monitors have the same display.

13) On both units you will see 4 options as follows…
● Match code
● Give code
● Receive code
● Clear code

14) Using and , on the new handset monitor, select receive code. On the working handset select send code.

15) If the process is successful you will see success message. Press escape on both units to return to home screen and then test operation as normal.

Keypad Programming (only for VK model)

Enter engineers code

Factory default is 111111

Press ENTER

Confirm or change engineers code

Press ENTER

Enter access code for relay 1 — 4-8 digits

Press ENTER

Enter pulse time for relay 1 — 2 digits, 01-99. E.g. 03=3 sec

Press ENTER

Enter access code for relay 2

Press ENTER

Enter pulse time for relay 2

Press ENTER

Enter access code for relay 3

Press ENTER

Enter pulse time for relay 3

Press ENTER

FINISH

Red LED should now be OFF