



panacom[®]

COLOUR VIDEO INTERCOM WITH MEMORY INSTRUCTION MANUAL

*“Choose **PSA** for intercoms”*



PAN790 SERIES

FIRE • SECURITY • INTERCOMS

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CONTENTS

	PAGE
1. Features	3
2. Kit Contents	3
3. Door Station Technical Data	3
4. Indoor Monitor Technical Data	4
5. Indoor Monitor Installation	5
6. Door Station Installation	5
7. Wiring Diagrams	7
8. Operating Instruction	11
9. Accessories	13
10. Notice	13
11. Warranty & Liability	13

1. FEATURES

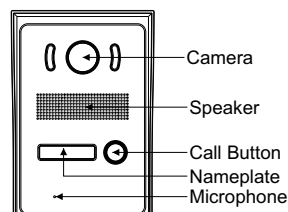
- Super slim aluminum front and back panels
- 7" TFT-LED color screen with no radiation, low-power consumption and high definition.
- Hands-free intercom doorbell function.
- Picture memory recording in internal memory
- Motion picture recording when SD card installed (SD card not supplied)
- Aluminum IP44 brushed outdoor camera in surface or flush mount option with blue backlight
- Internal paging & intercom function
- Baby monitoring function
- Mute function
- Door release function
- Monitoring function
- Sixteen polyphonic melodies.
- Ring volume, talking volume, chroma and brightness adjustable.

2. KIT CONTENTS

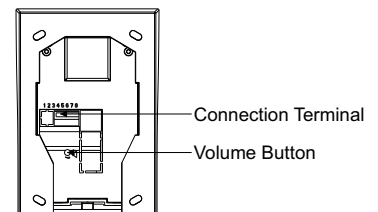
- One indoor monitor
- One adapter
- One Rain Hood
(surface mount kit only)
- One outdoor camera
- One bracket for indoor monitor
- Accessory Pack

3. DOOR STATION TECHNICAL DATA

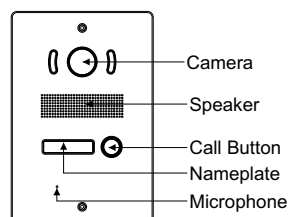
- 120° wide angle lens
- IR distance more than 2m
- Motion recording range: within 2m
- Automatic gain control
- Working temperature: -20°C~50°C
- Resolution: CCD more than 480 TV Line
- PAN790SC Outdoor camera dimension: 109(W) x 158(H) x 57(D) mm
- PAN790FC Outdoor camera dimension: 122(W) x 182(H) x 48 (D) mm
- Flush camera dimensions:
Plate: 122(W) x 182(H) x 4(D) mm
Wallbox: 92(W) x 144(H) x 38 (D) mm



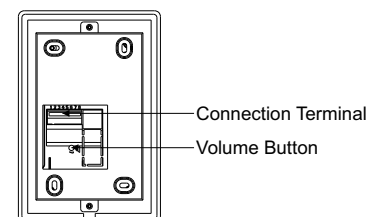
Front of surface mounted camera PAN790SC



Back of surface mounted camera PAN790SC

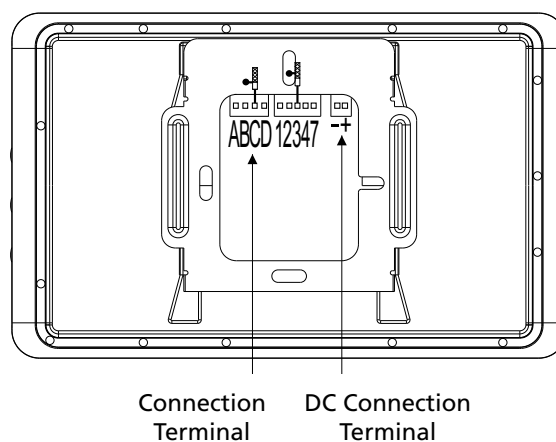
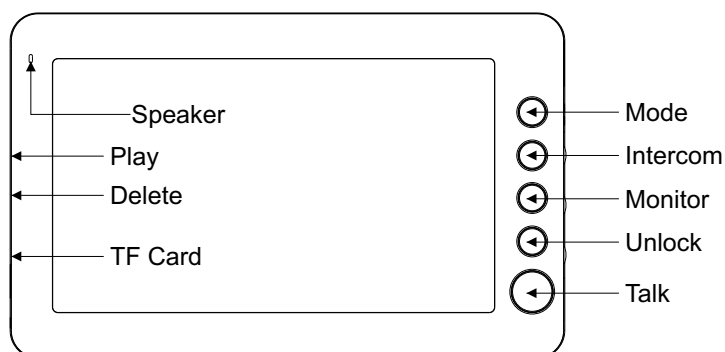


Front of flush mounted camera PAN790FC



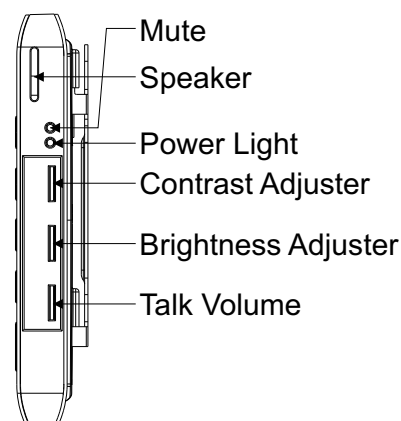
Back of flush mounted camera PAN790FC

4. MONITOR TECHNICAL DATA



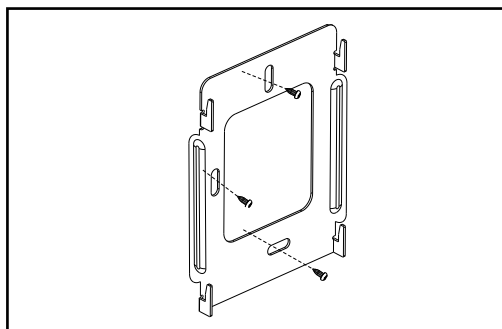
Performance Parameter

1. Adapter input voltage: AC220-240V/50Hz
2. Adapter output voltage, output current: DC15V 1200mA
3. Talking last time: 120S±10%
4. Monitoring last time: 40S±10%
5. Working distance: 50M (5×0.5mm²)
6. Power consumption: standby <0.5W, working <10W
7. Illumination intensity: 2 lucas
8. Visual angle: 120° wide-angle
9. Working temperature: -10°C~40°C
10. Relative humidity: 10-90% (RH)
11. Indoor monitor dimension: 200x125x18mm
12. Internal Memory: 60MB (80 pictures)
13. SD Card: Maximum size 16GB



PARAMETER	SPECIFICATIONS	UNIT
Screen Size	7.0	Inch
Resolution	800 x 480	Dot
Active Area	154.08 (H) X 85.92 (V)	mm
Pixel Size	0.1926 (W) X 0.1790 (H)	mm
Screen Figure Dimension	169.4 (W) X 100 (H) X 5.7 (D)	mm

5. INDOOR MONITOR INSTALLATION



Picture 1.



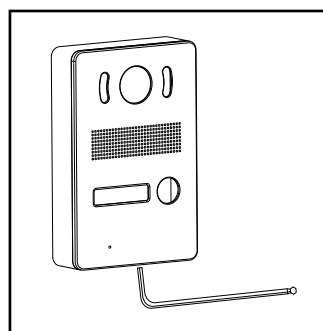
Picture 2.

1. Fix the bracket of the video indoor monitor on the wall with screws (picture 1).
2. Hang the monitor on the bracket after finishing the wire connection. Plug the enclosed adapter into the sockets of AC power and the monitor (picture 2).

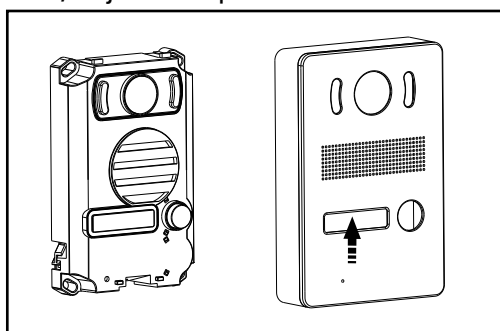
6. DOOR STATION INSTALLATION

A. SURFACE MOUNTED

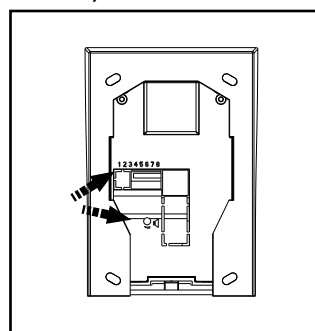
1. With the hex wrench supplied, remove the screw at the bottom of the door station and remove the front cover.
2. Take off the name plate for marking family name or room name, then fix the name plate (picture 2).
3. Connect the wires following the wiring diagrams supplied on page 8, 9 or 10. Using the volume control pot at the rear of the door station, adjust the speaker volume to suit (picture 3).



Picture 1.



Picture 2.

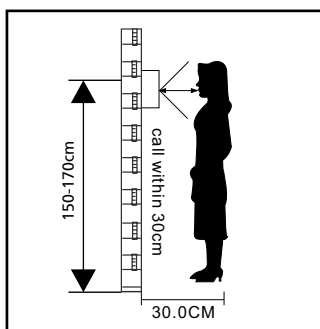


Picture 3.

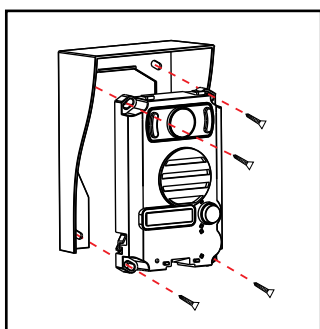
6. DOOR STATION INSTALLATION

A. SURFACE MOUNTED

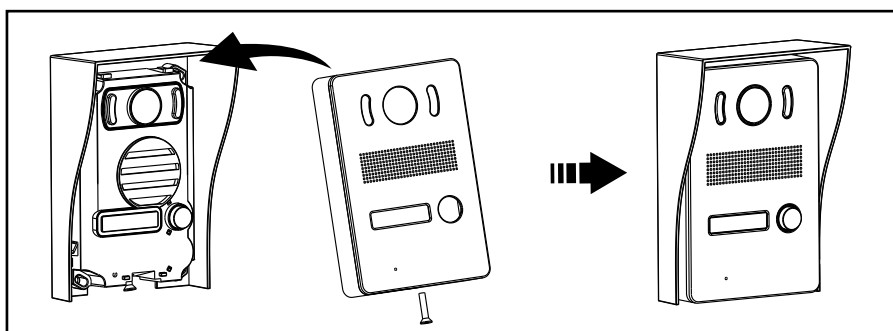
4. Install the door station at approximately 150-170cm high from floor level. Do not install the camera facing towards direct sunlight or rain.
5. Fix the outdoor camera on the wall and then fix the screws (picture 5).
6. Reattach the front cover and insert the screw with the hex wrench supplied (picture 6).



Picture 4.



Picture 5.

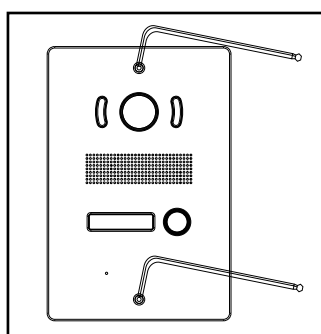


Picture 6.

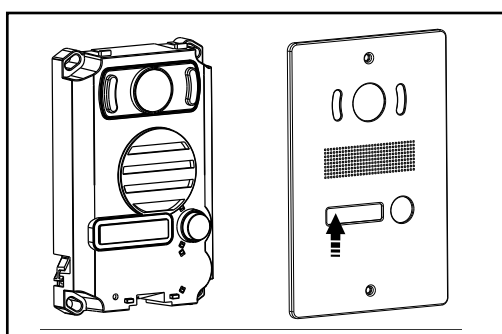
6. DOOR STATION INSTALLATION

B. FLUSH MOUNTED

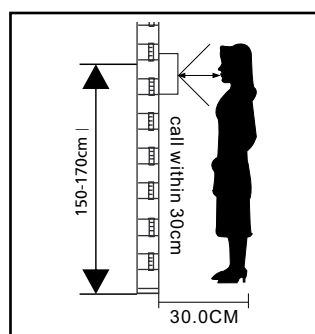
1. With the standard hex wrench open the screw of the front cover (picture 1).
2. Take off the name plate for marking family name or room name, then fix the name plate.
3. At a height of 150-170cm, create a hole of 93W x 144.5H x 38D mm in size to fit the wall box in the wall. Ensure to avoid facing the door station towards direct sunlight or rain (picture 4)
4. Fix the flush mounted wall box in the hole, then put the outdoor camera in the flush mounted bracket.



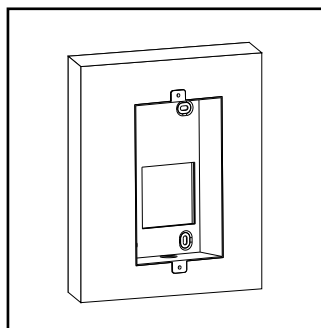
Picture 1.



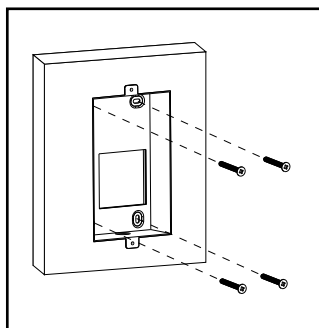
Picture 2.



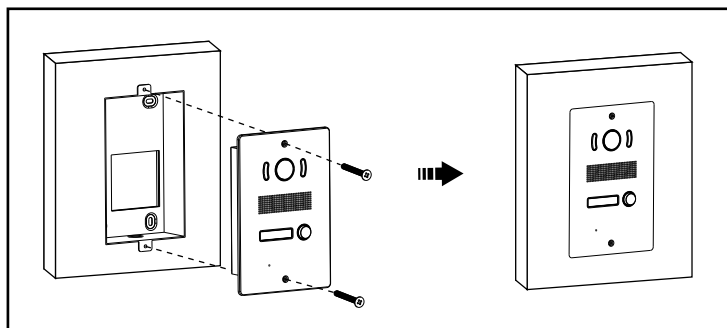
Picture 3.



Picture 4.

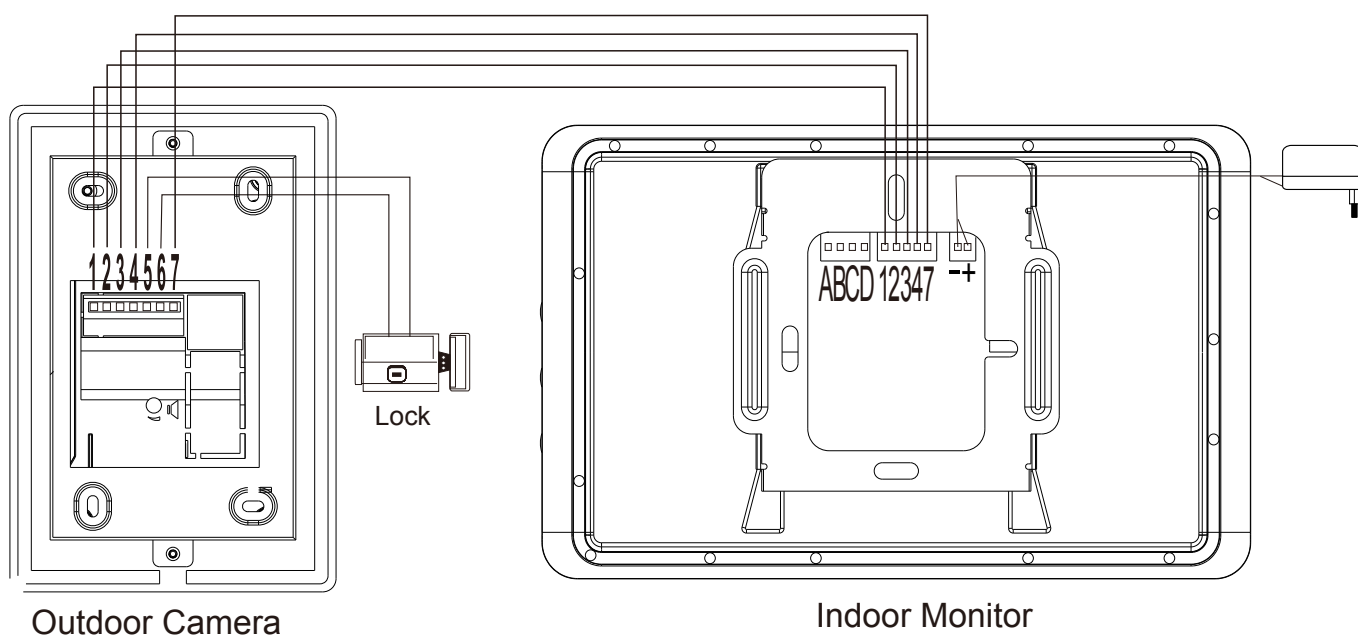


Picture 5.



Picture 6.

PAN790 WIRING - ONE DOOR to ONE MONITOR



TERMINAL LEGEND:

- | | | |
|--------------|--------------------|------------------|
| 1 (A) Audio | 4 (D) Power 15V DC | 7 Picture Memory |
| 2 (B) Ground | 5 Lock +12V DC | |
| 3 (C) Video | 6 Lock Ground | |

RECOMMENDED CABLE (based on distance between door & last monitor):

0-50m = CAT-5

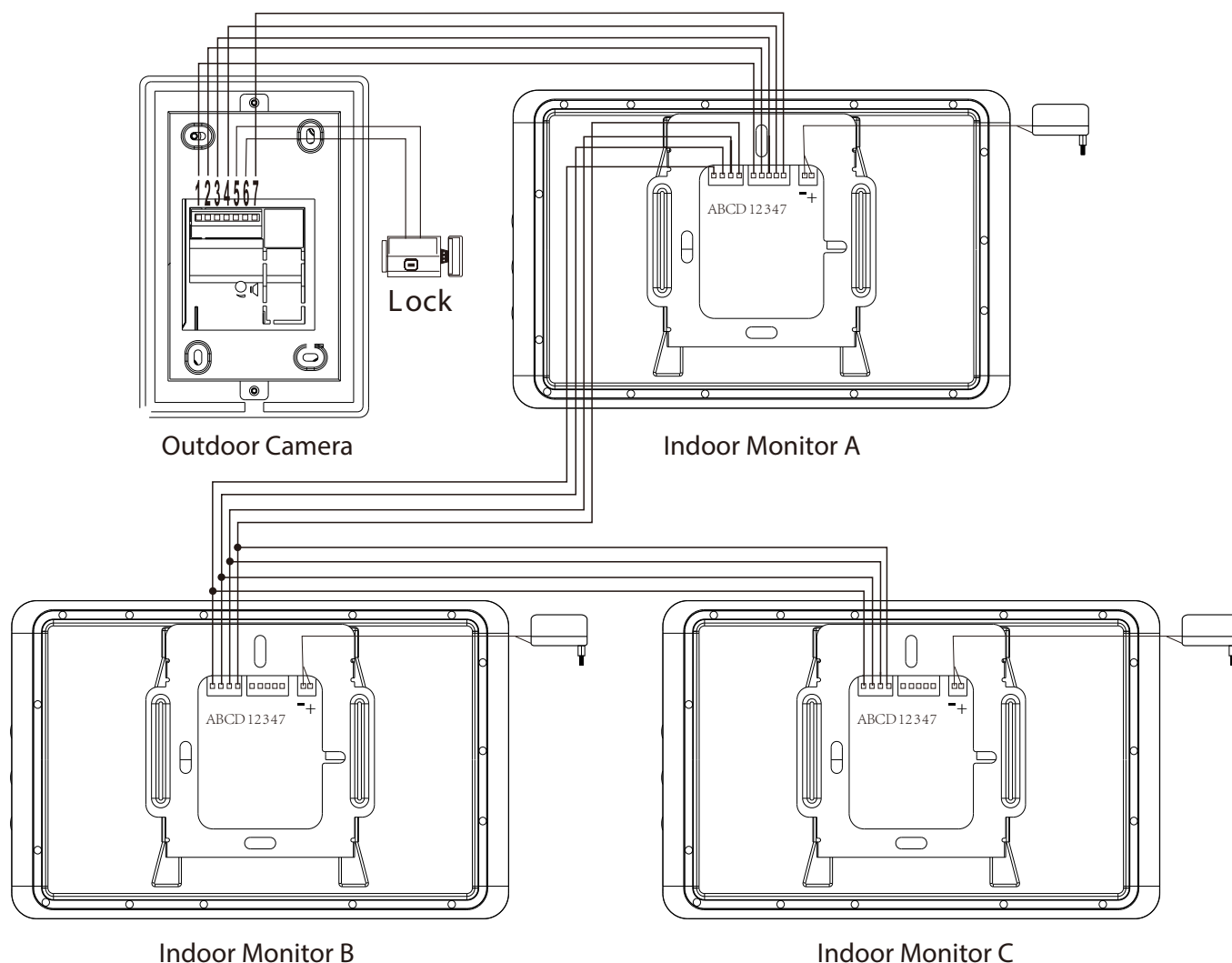
> 51-100m = RG59 Coaxial + 4 Core 14/020

CAT 5 TERMINATION CONFIGURATION:

From Door to Monitor

1. Blue
2. Blue/White, Brown/White, Green/White, Orange/White
3. Green
4. Brown
7. Orange

PAN790 WIRING - ONE DOOR to THREE MONITORS



TERMINAL LEGEND:

- | | | |
|--------------|--------------------|------------------|
| 1 (A) Audio | 4 (D) Power 15V DC | 7 Picture Memory |
| 2 (B) Ground | 5 Lock +12V DC | |
| 3 (C) Video | 6 Lock Ground | |

RECOMMENDED CABLE (based on distance between door & last monitor):

0-50m = CAT-5

51-100m = RG59 Coaxial + 4 Core 14/020

CAT 5 TERMINATION CONFIGURATION:

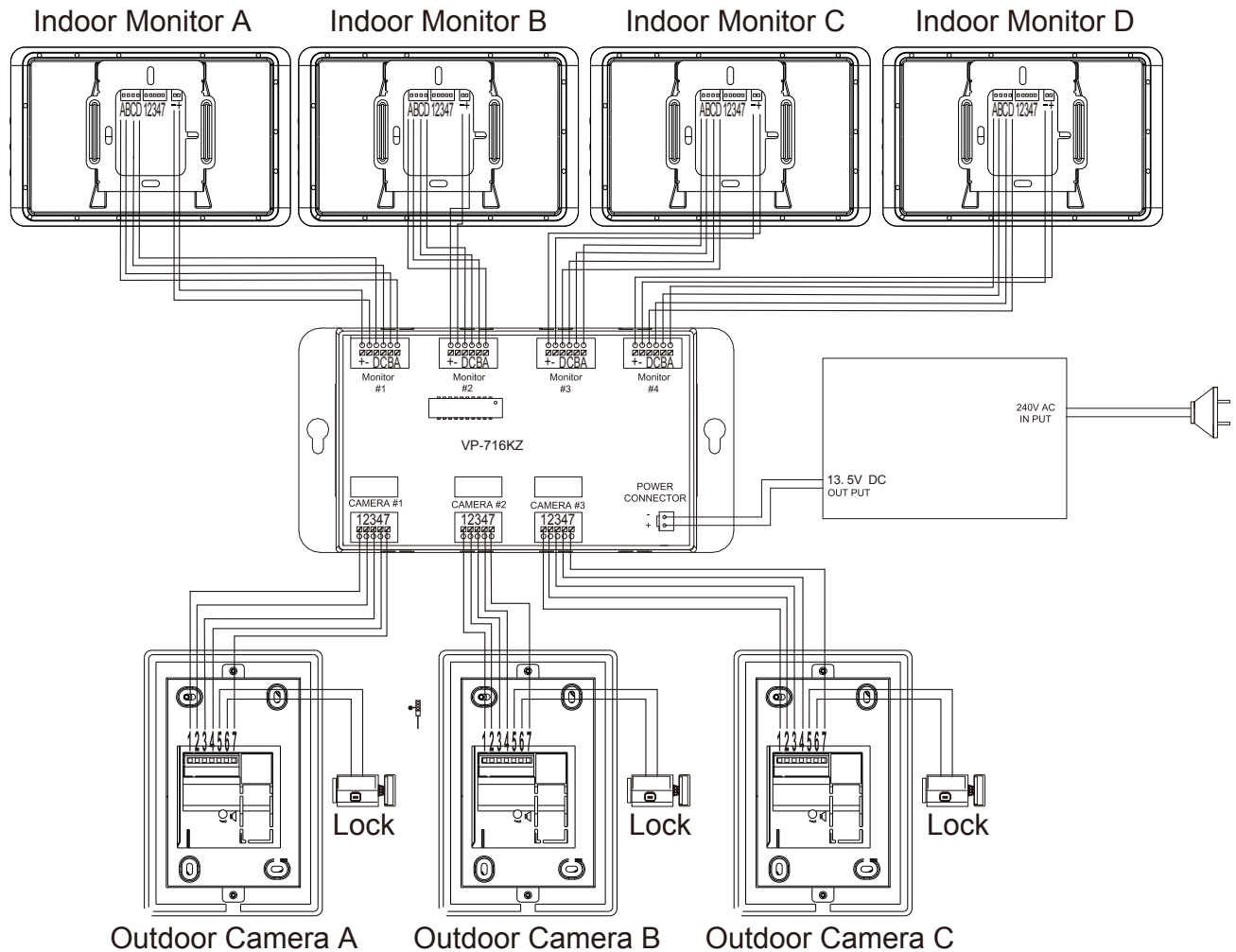
From Door to 1st monitor

1. Blue
2. Blue/White, Brown/White, Green/White, Orange/White
3. Green
4. Brown
7. Orange

From monitor to monitor.

- A. Blue
- B. Blue/White, Brown/White, Green/White
- C. Green
- D. Brown

PAN790 WIRING - THREE DOORS to FOUR MONITORS



TERMINAL LEGEND:

- | | | |
|--------------|--------------------|------------------|
| 1 (A) Audio | 4 (D) Power 15V DC | 7 Picture Memory |
| 2 (B) Ground | 5 Lock +12V DC | |
| 3 (C) Video | 6 Lock Ground | |

RECOMMENDED CABLE (based on distance between door & last monitor):

0-50m = CAT-5 + FIG8

51-100m = RG59 Coaxial + 4 Core 14/020

CAT 5 TERMINATION CONFIGURATION:

From Door to Controller

1. Blue
2. Blue/White, Brown/White, Green/White, Orange/White
3. Green
4. Brown
7. Orange

From Controller to Monitor.

- | | |
|----|--------------------------------------|
| A. | Blue |
| B. | Blue/White, Brown/White, Green/White |
| C. | Green |
| D. | Brown |
| + | Fig 8 |
| - | Fig 8 Trace |

8. OPERATING INSTRUCTION

MODE BUTTON

Pressing the MODE button allows the user to scroll through options.

1st Press = System Info

2nd Press = Internal Memory View

3rd Press = SD Card Memory View

4th Press = Time & Date Setup

Further presses will scroll through time & date setup.

SETTING TIME & DATE

Press the MODE button 4 times to enter time setting mode.

To change the numbers, press the BROWSE button.

Use the MODE button to scroll to next section and BROWSE button to change the numbers.

Once completed, press the MONITOR button to return to standby.

CALL

When the doorbell is pressed, the internal monitors will chime and the image of the entry should appear.

Press the TALK button to talk to the visitor at the entry.

Press UNLOCK to release the door strike

To turn off the monitor, press TALK button again

PICTURE MEMORY

Monitors are able to record in 2 ways:

1) Taking a picture when doorbell is pressed

In this mode, pictures are stored in the internal memory.

Approximately 80 pictures can be saved in the internal memory.

Once it has reached full capacity, the oldest picture will be overwritten.

To manually delete, press the DELETE button to delete a picture or press & hold the delete button for 3sec to remove ALL the pictures

Internal memory pictures CANNOT be exported to PC.

2) Recording picture automatically when there is movement in front of the door camera

In this mode, the motion recording is stored in the micro SD card.

Approximately 10,000 pictures can be stored on a 1GB card. The max size supported is 16GB.

Once it has reached full capacity, the oldest picture will be overwritten.

You can only delete ALL pictures from the micro SD card. To do this, press & hold the delete button for 3sec to remove ALL the pictures.

To export SD Card memory, insert the SD card into the PC via card reader or adaptor (not supplied).

Open the video player software on the SD Card and select the .tag file to review the recordings.

Individual snapshot .jpeg files can be saved by double clicking on the selected frame.

MEMORY PLAYBACK

To view recorded images, press the MODE button to the selected memory you wish to view (internal or SD Card).

Use the BROWSE button to scroll through images

8. OPERATING INSTRUCTION

Press MONITOR to return to standby

MONITORING

To activate the door camera to monitor outside, press the MONITOR button.

To talk, press the TALK button.

To deactivate, press the MONITOR button again.

INTERNAL INTERCOM

When more than 1 monitor is installed, to call other monitors press the INTERCOM button.

Other monitors will ring.

To communicate, the receiver must press the TALK button.

Press the TALK button to return to standby after conversation.

GENERAL PAGING

When more than 1 monitor is installed, there is a general paging feature.

To do this press & hold the INTERCOM button for 4 seconds.

An acknowledgment tone can be heard and a flashing blue light will be activated on the right side of monitor.

All audio channels are now open.

Press TALK to return to standby.

BABY MONITORING

To enter baby monitoring mode, go to the monitor you wish to activate.

Press Internal Intercom button to generate a call.

Go to monitor you wish to monitor from.

Press and hold the TALK button for 4 seconds.

An acknowledgement beep can be heard.

One way audio is now activated between 2 monitors. Press TALK to return to standby.

MUTE

To mute a monitor, go to the monitor you wish to mute.

Press and hold the UNLOCK button for 4 seconds.

An acknowledgement beep can be heard and a blue light will be activated on the right side of monitor.

When door bell is pressed, only the picture will activate without any call tones.

To unmute, press & hold the UNLOCK button for 4 seconds until an acknowledgement beep is heard.

RINGTONE ADJUSTMENT

Press and hold the MONITOR button for 4 seconds.

An acknowledgement beep can be heard.

Press the MONITOR button again to scroll through ringtones.

Press the TALK button to adjust ring volume.

Press UNLOCK button to confirm.

9. ACCESSORIES

Surface Door Camera – PAN790SC

Flush Door Camera – PAN790FC

Additional Monitor - PAN790M

Central Controller – PAN790DC

Electric Strike – GEMGK310

10. NOTICES

1. Do not install the indoor monitor in areas of high temperature or high humidity.
2. Do not install the indoor monitor directly next to or behind power points, light switches or near TV's.
3. Always maintain 50mm separation between intercom cable and 240V cable.
4. Do not touch the monitor screen with wet hands.
5. Use only soft cloth to clean the monitor screen or camera in order to get a clear image. Please do not use dish washing liquid, cleaning chemicals or corrosive liquid to clean.
6. Please avoid throwing or hitting the units.
7. Do not install the door stations directly facing the sun. If installed in such a manner, a white picture may appear.
8. Wireless communication equipment may cause the image to be fuzzy due to interference from radio waves.

11. WARRANTY & LIABILITY

1. PSA Products Pty Ltd (ABN: 99 076 468 703) of 17 Millicent Street, Burwood 3125 Victoria, Australia warrants this product for a period of two years from the date of purchase, as reflected on the Authorised Reseller's or Distributor's invoice / receipt provided to you. PSA Products Pty Ltd will repair or replace the product (at the option of PSA Products) due to any manufacturing defect, at the cost of PSA Products Pty Ltd (excluding any labour costs relating to removal or re-installation of product, and transport costs).
2. This warranty shall not apply to the product if it has been damaged, modified, abused or altered after the date of purchase, or if it fails to operate due to improper maintenance.
3. To the extent permitted by law, the liability of PSA Products Pty Ltd arising from the sale or under the terms of this limited warranty shall not in any case exceed the cost of replacement and subject to this clause. In no case shall PSA Products Pty Ltd be liable for consequential loss or damages resulting from the failure of the product or breach of this, or: Any other warranty, express or implied, loss or damage caused by failure to abide by the instructions supplied in the leaflets.
4. To the extent permitted by law, PSA Products Pty Ltd., makes no warranty, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the consumer replaceable battery if any. A product with non-serviceable built-in battery is covered under warranty of the product as per point 1.
5. This warranty is provided in addition to other rights and remedies you have under law: Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. What constitutes a major failure is set out in the Australian Consumer Law.
6. To make a claim under warranty, take the product (with a proof of purchase) to the store where you purchased the product or contact PSA Products Pty Ltd. Phone (03) 9888 9889. or Email: enquiry@psaproducts.com.au with details, proof of purchase or expense claim in writing.

psaproducts.com.au
1300 772 776
enquiry@psaproducts.com.au



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