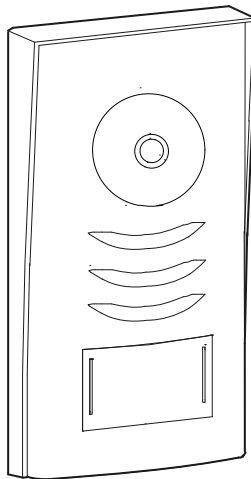
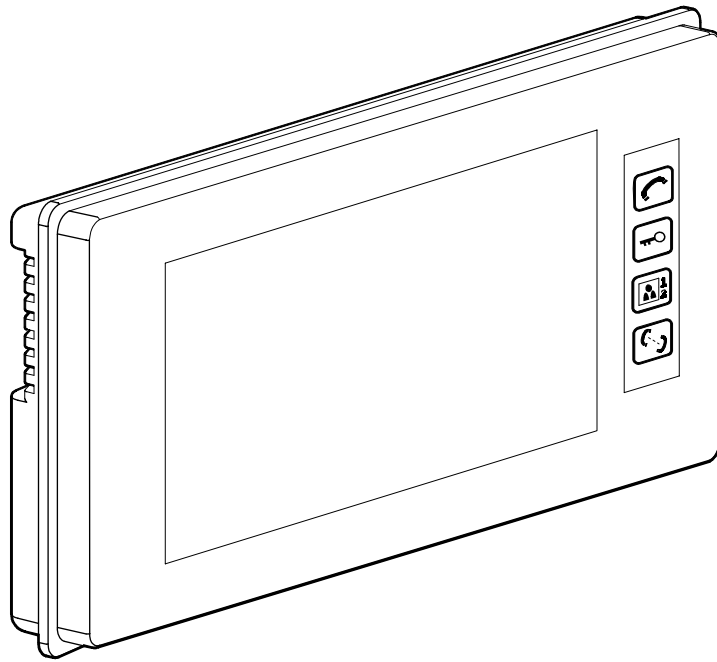


SECURITY VIDEO INTERCOM



FUTURO -7.1

Wide Screen Intercom Kit
(Inc. FUTURO-7.1M, FUTURO-7.1C, FUTURO-7PS)

FUTURO -7.1 M

Kit Monitor only
(Inc. FUTURO-7.1M, FUTURO-7PS)

Indoor Monitor FUTURO-7.1M Installation guide

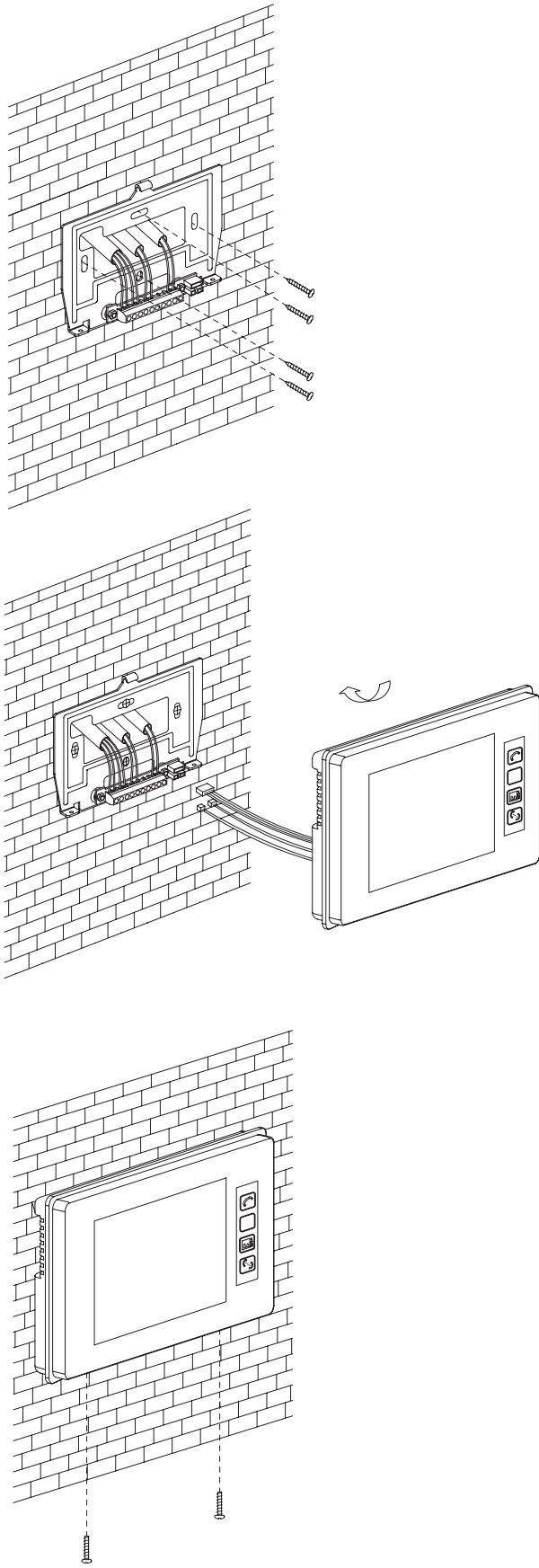


Fig.1

Install the indoor monitors about 1.55M~1.60M from the floor

FUTURO-7.1C Door Station Installation guide

Surface mount with optional FUTURO-7.1WH

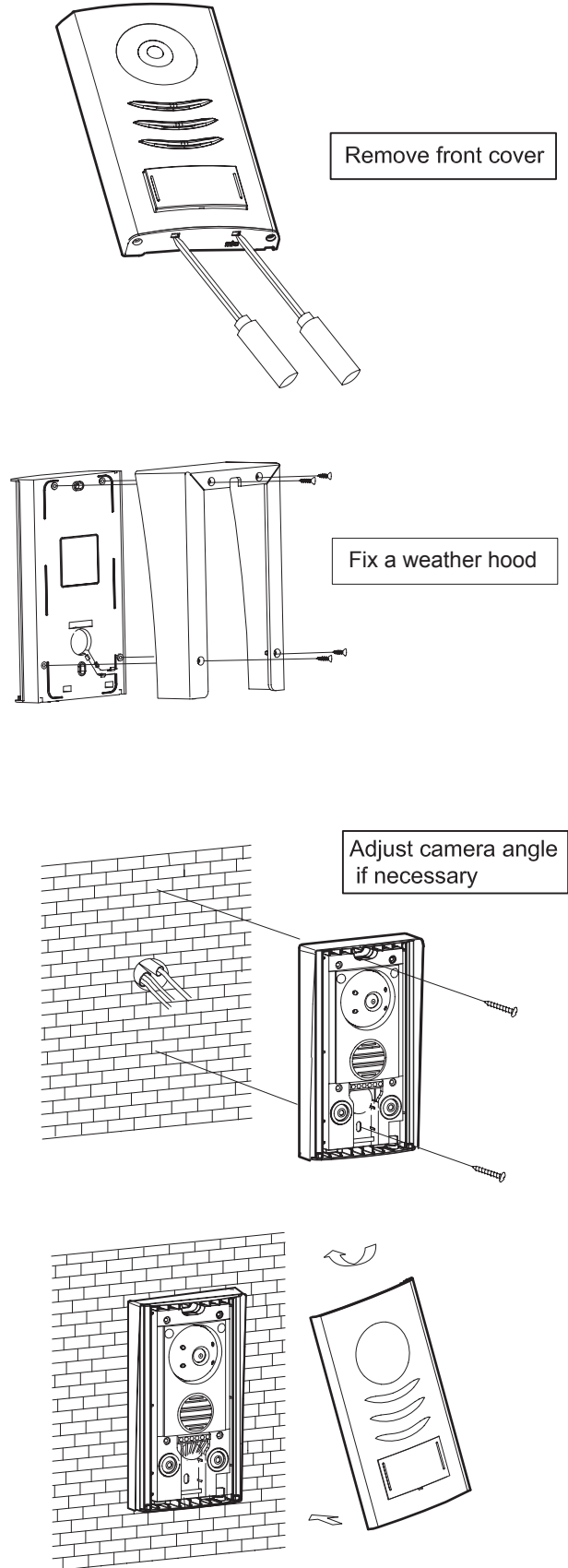
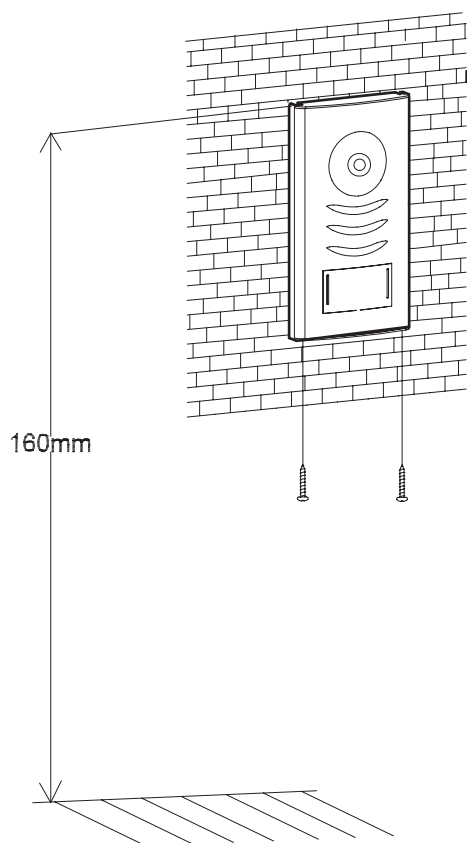


Fig.2

Install the door stations about 1.55M~1.60M from the ground

FUTURO-7.1C Door Station Installation Guide - Surface mount with optional FUTURO-7.1WH



Install the door stations about 1.55M~1.60M from the ground.

Keep the units away from snow, rain and direct sunlight.

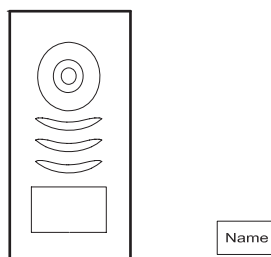
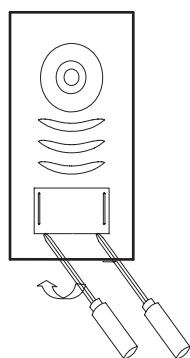
Dimensions

- Overall size of front panel :
99mm(W)x181mm(H)x31mm(D)

Fig.3

Changing name plate on a Door Station

Take off the name cover



Write a name on the tag

Fig.4



Fig.4

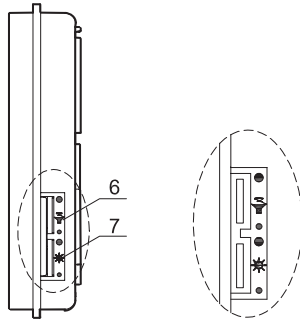


Fig.5

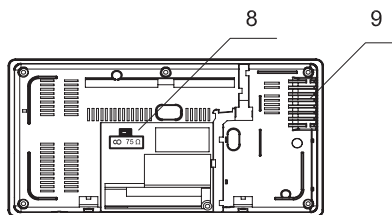


Fig.6

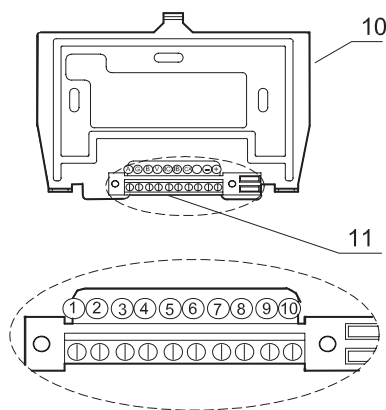


Fig.7

1. Screen
2. On Button (Refer to page 8)
Allows you to answer calls from a visitor at the door station.
3. Door Open Button(Refer to page 8)
This is used to open the entrance door during calls.
4. Switch to Door #2
Allows you to switch Audio and Video from Door#1 to Door#2 if any(Refer to pag8)
5. Interphone button (Refer to page 8)
Allows you to call other monitors for an internal communication.
6. Ring Tone Volume
Allows you to adjust the ring tone.
7. Brightness adjustment
Allows you to adjust the brightness.
- 8 Video impedance setting selection switch
When more than one monitor is installed in system
 - Set it to 75 Ω only for the furthest monitor from the Door Station
 - Set it to High impedance on other monitor(s)
 When there is only one monitor in a system
 - Set it to 75 Ω for the monitor
- 9.Speaker
10. Wall mount bracket
- 11.Connection Terminal Description
 - A(1) : Audio
 - G(2) : Ground
 - B(3) : +B (10V DC)
 - V(4) : 1Vp-p Video
 - IB(5) : Intercommunication call signal
 - IC(6) : 12V DC Output for special application
 - CA(7) : 1/2 Door Station Select
 - (8) : Not in use
 - (9) :Ground from Power Supply Unit
FUTURO-7PS
 - +(10): +14V DC from Power Supply Unit

Description of Door Station FUTURO-7.1C features

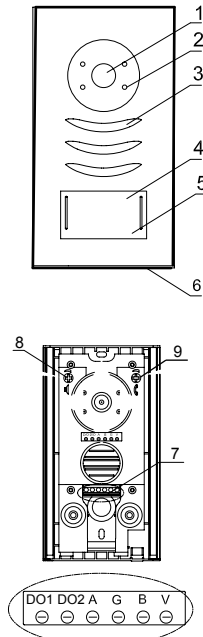


Fig.8

- 1. CCD Camera
- 2. White LEDs for night vision
- 3. Speaker
- 4. Name Plate
- 5. CALL Button
- 6. Microphone
- 7. Cable terminals to monitor
A (Audio), G(Ground), B(DC10V),
V(Video) to Monitor
DO1 & DO2 : Voltage-free Normally Open
Door open contact

WARNING! The following variable registers should be adjusted by qualified technicians ONLY.

- 8. Speaker volume on the Door Station
- 9. Microphone sensitivity on the Door Station

Descriptions of Power supply FUTURO-7PS

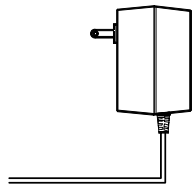


Fig.9

- 16VDC 1.0A Power supply
- (+) : White Broken Line : + DC 16V
- (-) : Black wire : Ground

Descriptions of Multi Door Switcher FUTURO-7.1SW -Optional Extra

Refer to Fig.13 on Page 6 or Fig.14 on Page7

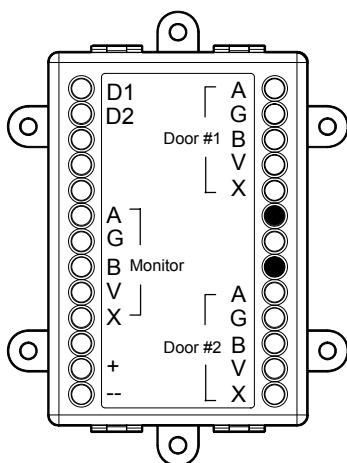


Fig.10

- Monitor** terminal group
A, G, B, V : Connect to Monitor(s)
X : Reserved for special applications
- Door #1** terminal group
A, G, B, V : Connect to Door Station #1
X : Reserved for special applications
- Door #2** terminal group
A, G, B, V : Connect to Door Station #2
X : Reserved for special applications
- D1 : Connect to CA on monitor(s)
- D2 : Reserved for special applications
- +, -: Reserved power terminal for special applications.

System connection with one camera and one monitor

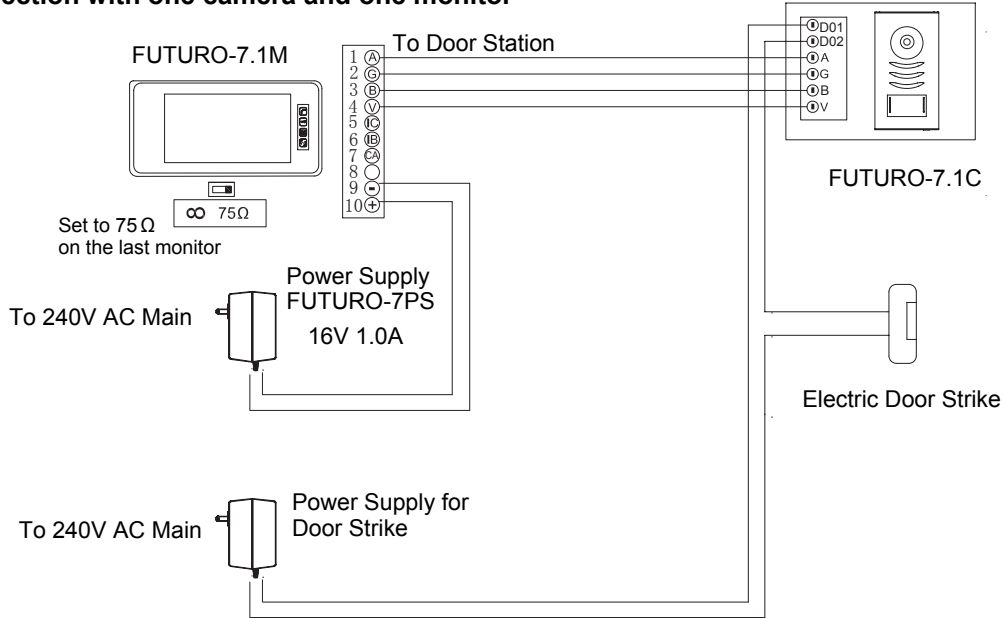


Fig.11

System connection with one camera and two monitors

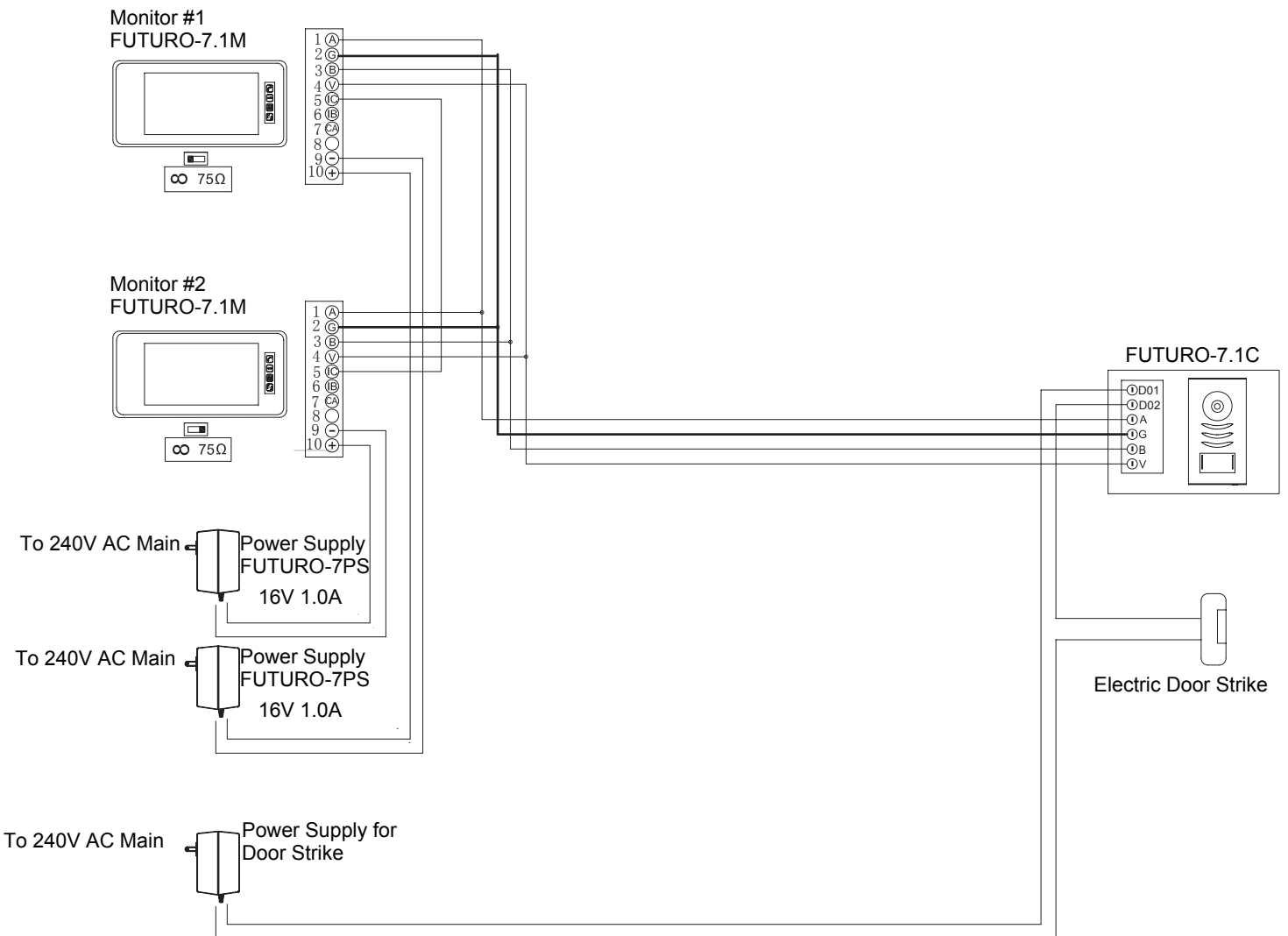


Fig.12

System connection with two Door Stations and two Monitors

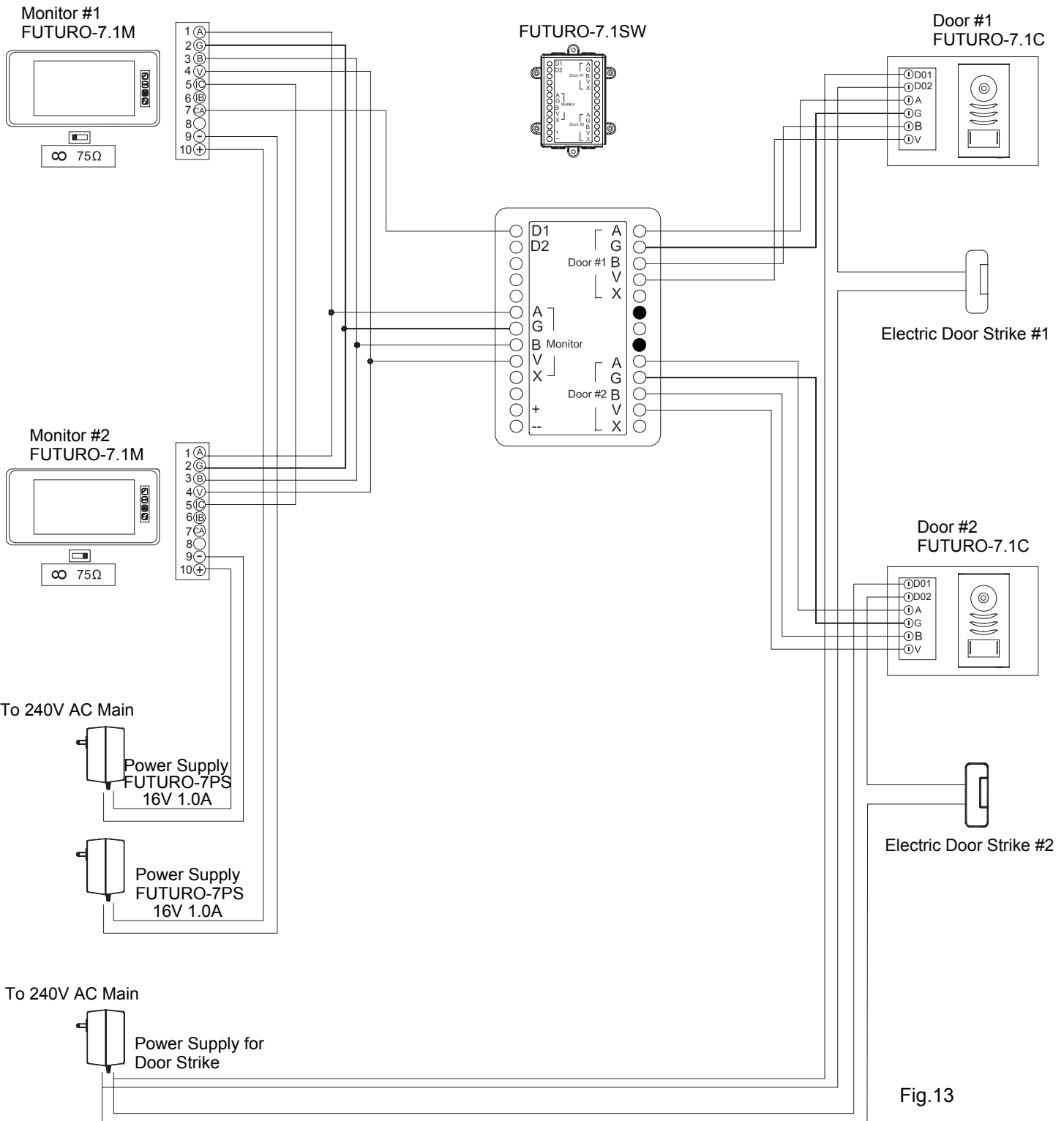


Fig.13

IMPORTANT!! Please read page 9 & 10 for cable requirements *BEFORE* running cables

System connection with two Door Stations and one Monitor

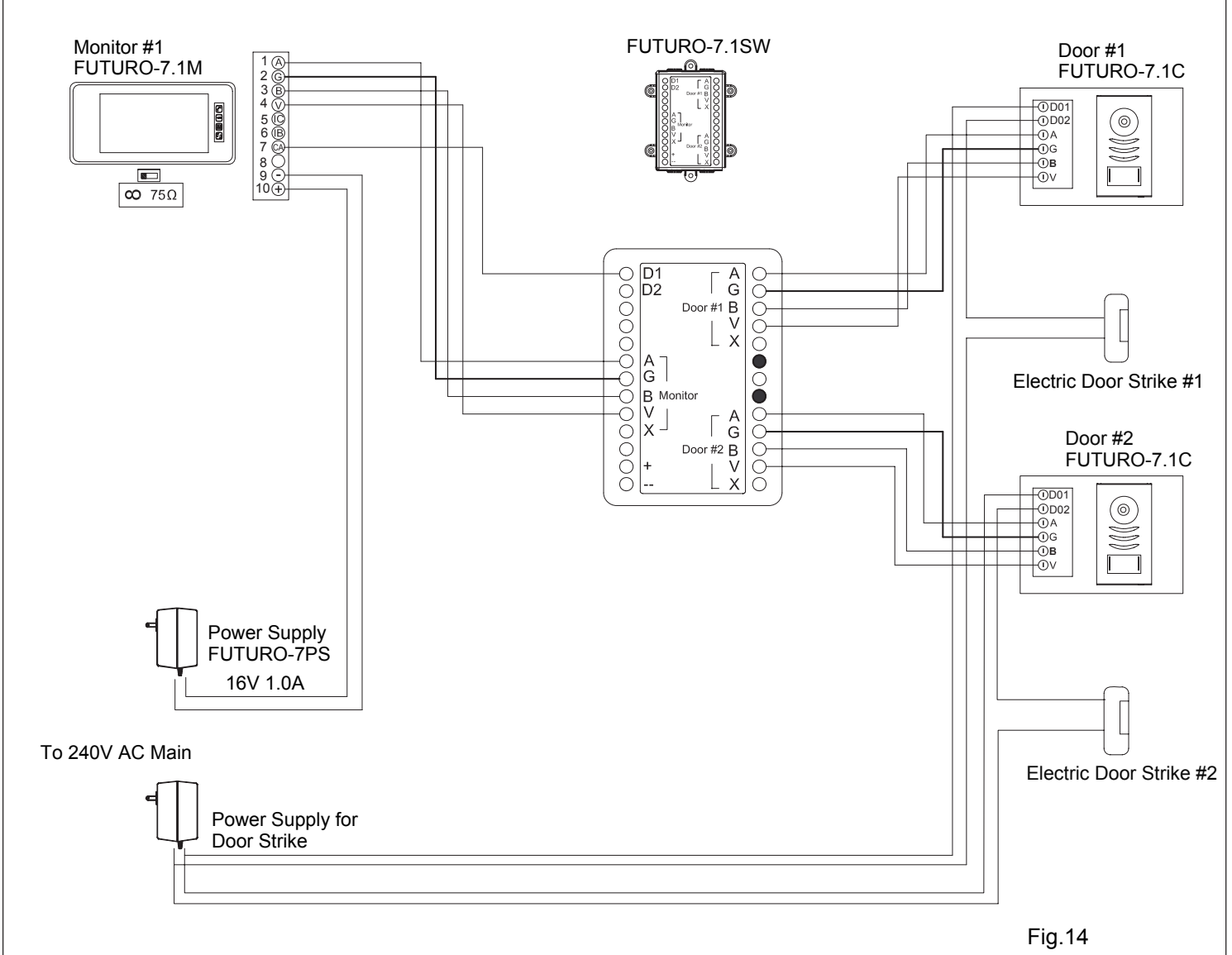


Fig.14

Video distributor GL-D4L-PLUS for multiple monitors

When more than two monitors are installed in a system, it is highly recommended to use a video amplifier GL-D4L-PLUS for better image.

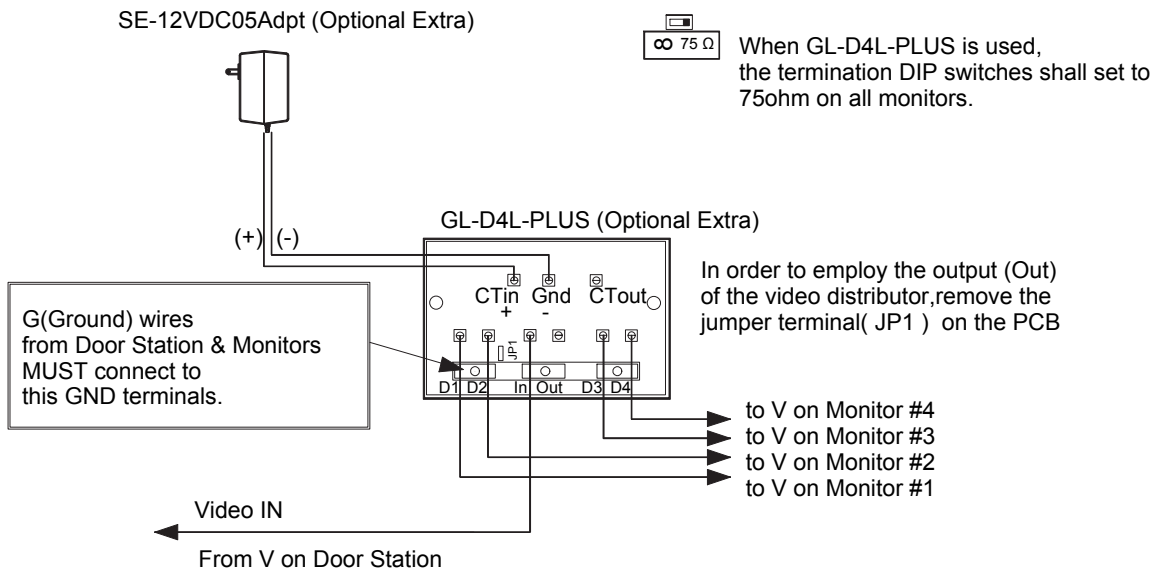


Fig.15

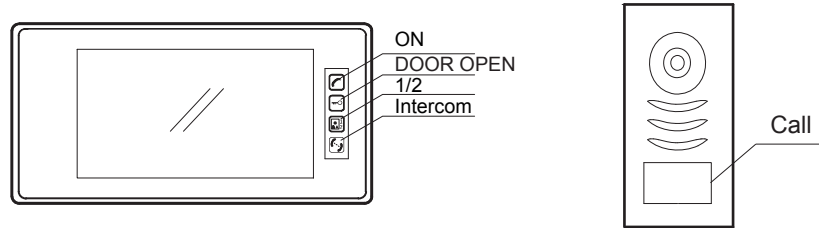


Fig.16

Basic Operation

When a caller presses the call button on the outdoor station, a Ding-Dong sounds on the monitor and the video screen lights up for 30 seconds. If you are satisfied with the identity of the caller, press the “On” button to speak.

The screen will automatically turn off after 60 seconds.

To turn the screen back on, press the “On” button once, then you can see the visitors again and continue to talk with caller.

Monitoring doors through Monitor / Switching to Door#2

(This function is only available from master monitor)

Press the “On” button on monitor, the Audio and Video function will activate.

When system is connected with 2 door stations (Door#1, Door#2) the Door#1 will display by default.

“1/2” button allows you to switch from Door#1 to Door#2 by pressing and hold it.

To turn it off, press again or wait for 60 seconds.

Monitor adjustment

If desired, the ring volume and brightness may be adjusted.

Adjust volume at the right hand side of the monitor.

Door Strike operation

When electric door striker and additional power supply for it is in the system, it can be operated from monitor. While monitoring or talking, press “Open Door” button to open the electric door striker. When more than one door stations are in a system, it opens a door striker which is being monitored.

Operation for Intercommunication / Baby Monitoring between Monitors

When system is connected with multiple monitors, internal intercommunication and Audio Baby Monitoring is available between monitors.

An Intercom calling can be started by any indoor monitor. Press the “Intercom” button, this will ring all other monitors in a system and activate Audio communications between monitors without any further action.

The audio channel will remain active until pressing “Intercom” button again to turn off the function. During Internal Communication/Audio Baby Monitoring, Intercom LED on monitors will light in Purple.

Cable requirement - STAR Wiring method

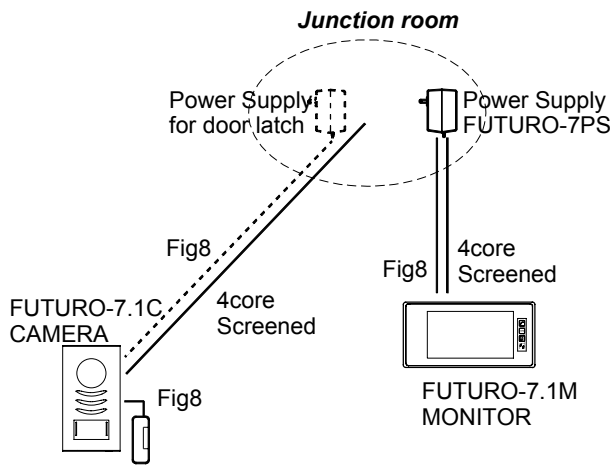


Fig.18

An additional power supply and Fig8 Cable is required for door strike operation (Indicated as broken lines on the diagrams)

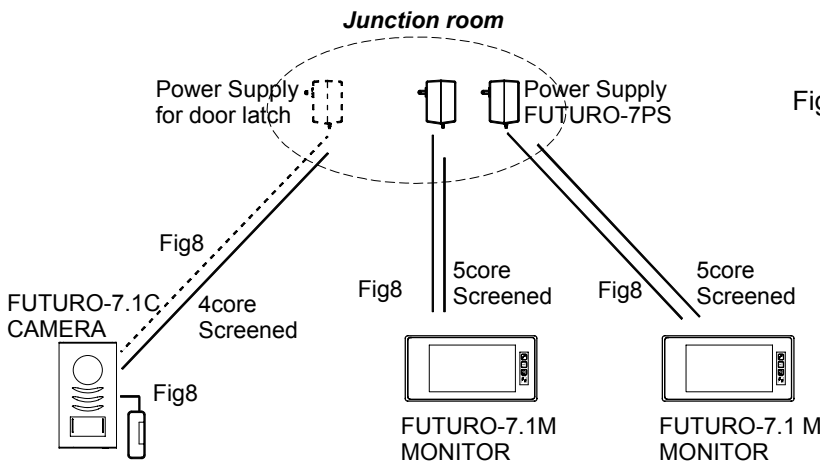


Fig.19

Cable requirement

Based on the distance from a camera to the furthest monitor,

- < 20M : CAT5 cable

Orange W/Orange A (Audio)
G (GND)

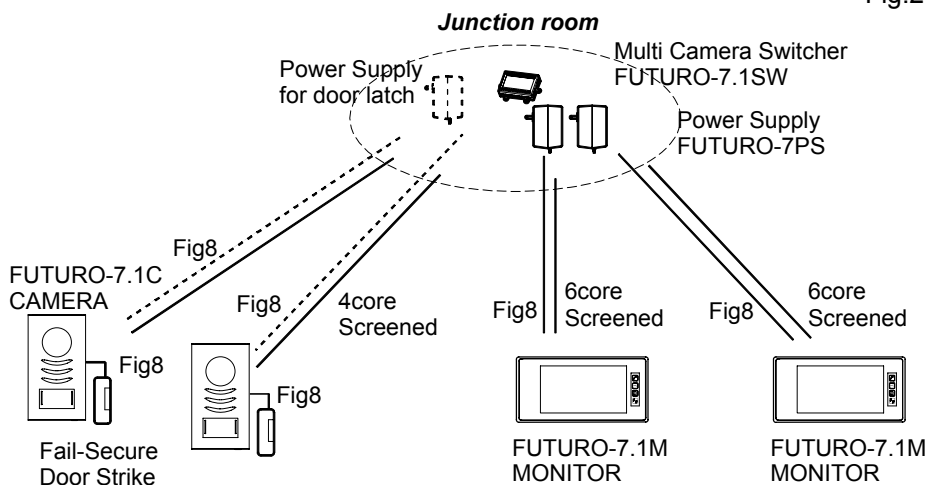
Green W/Green V (Video)
G (GND)

Blue W/Blue B (12VDC)
B (12VDC) double up

Brown W/Brown DO 1
DO 2 (door open)

CAT5 wire configuration

Fig.20



- < 50M :

14/020 (0.44mm²) shielded cable
(connect shield to G)

AND

RG-59/U for video signal
(connect core to V & shield to G)

- < 100M :

24/020 (0.44mm²) shielded cable
(connect shield to G)

AND

RG-59/U for video signal
(connect core to V & shield to G)

- > 100M :Contact your supplier

NOTE

Fig 8 : 2Core 24/020 (= 2Core 0.75mm²)

Junction room : Electrical switch room, junction room or ceiling where all wires are joined.

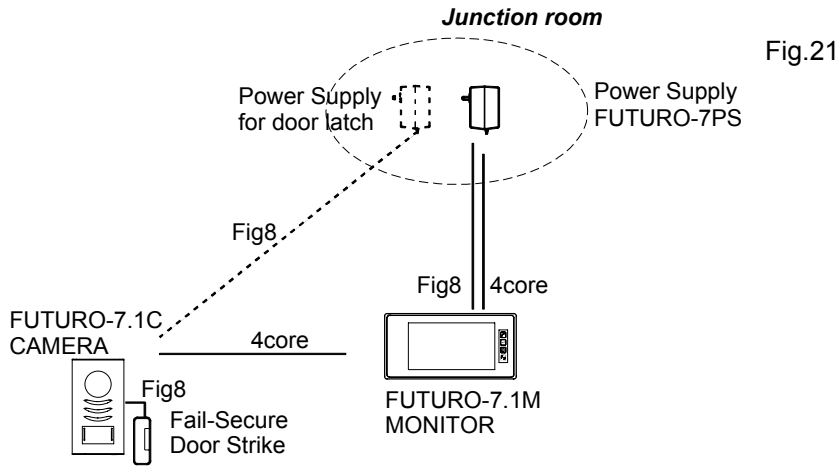


Fig.21

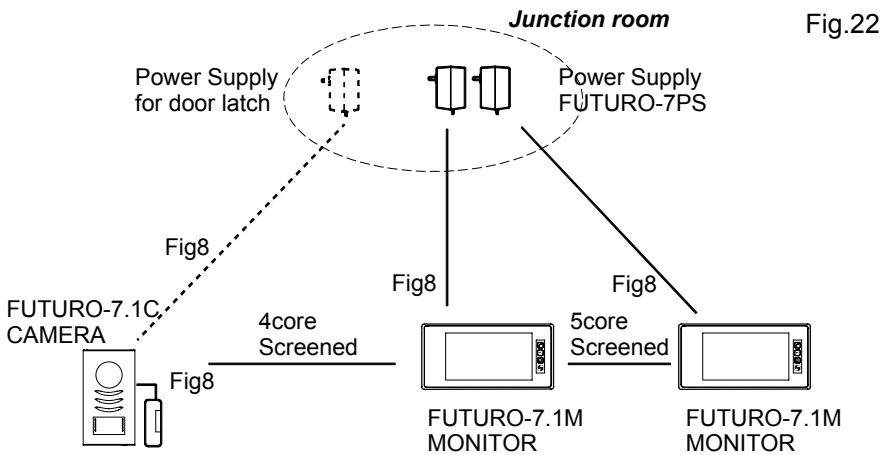


Fig.22

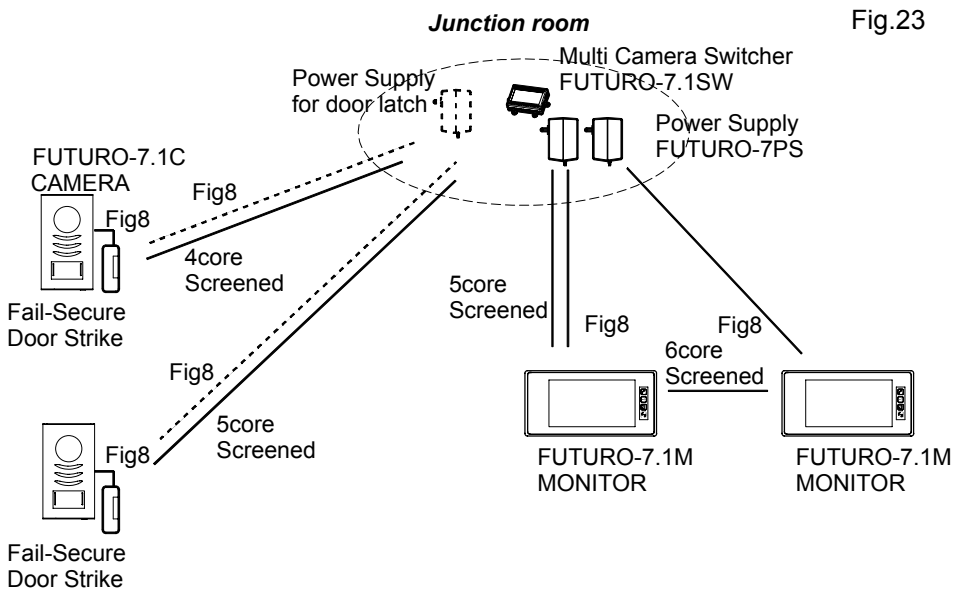


Fig.23

NOTE :

Fig 8 : 2Core 24/020 (= 2Core of 0.75mm²)

Junction room : electrical switch room, junction room, ceiling

MEMO

MAINTENANCE

1. All components should be protected from violent vibration, impacting, knocking and dropping.
2. If necessary, clean the lens and screen with dampen soft cotton cloth do not use chemical cleaning agent.
3. Image distortion may occur if the monitor is installed near microwave ovens, TVs, computers, DC/AC adaptors or any other electro magnetic field generating appliances.
4. Keep all monitors and cameras away from high temperature, dust, caustic and oxidation gas.
5. Use only with the FUTURO-7PS power supply which is supplied by the authorised VIDEOMAN supplier.
6. Pay attention to the high voltage inside the products. Please ensure this unit is only serviced by qualified professionals.

TECHNICAL SPECIFICATIONS

1. Talk auto-off time: 60 seconds
2. Surveillance auto-off time: 30 seconds
3. Power supply for indoor monitor : 16V DC 1.0Amp
4. Power for Door Station: 10V DC (Supplied by indoor monitor)
5. Power consumption: Standby 2W, Max. 14W
6. Monitor screen: 7" Colour TFT LCD, 1024(H) x 234(V)
7. Camera Lens: 3.6mm, 51 degree horizontal 41 degree vertical visual angle
8. Image sensor : 1/4" CCD, 270k Pixels
9. Resolution: >380 TV lines
10. Video signal: 1Vp-p, 75Ω, CCIR standard
11. Connection mode: 4 wire, polarity conscious
12. Door strike operation : Voltage-free Relay output from the Door Station
13. Door strike operation time : controlled by Door open button on Monitor
14. S/N Ratio : Video 50dB, Audio 40dB

WARRANTY STATEMENT

This equipment is warranted to be free from defects in material and workmanship for a period of twelve months from the date of purchase as indicated on the proof of purchase and/or by serial number on the product.

Defective units returned by the purchaser at his own expense during this period will be repaired (or replaced at the option of the distributor) with an equivalent piece of refurbished and tested equipment. The repaired or replaced equipment is then warranted for the balance of the initial warranty period or for thirty (30) days, whichever is longer.

The repair or replacement will be without charge provided that the equipment has not been subjected to electrical or physical misuse or to unauthorised repair or modification.

The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, merchantability or fitness for a particular purpose.

The purchaser's exclusive remedy with respect to any and all losses or damages resulting from any cause whatsoever, shall be repair or replacement as specified above.

Distributor shall in no event be liable for any consequential or incidental damages, however occasioned, whether by negligence or otherwise. No suit or action shall be brought against manufacturer more than one year after the accrual of the cause of action therefore. No agent, employee or representative of the distributor nor any other person is authorised to modify this warranty in any respect. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

