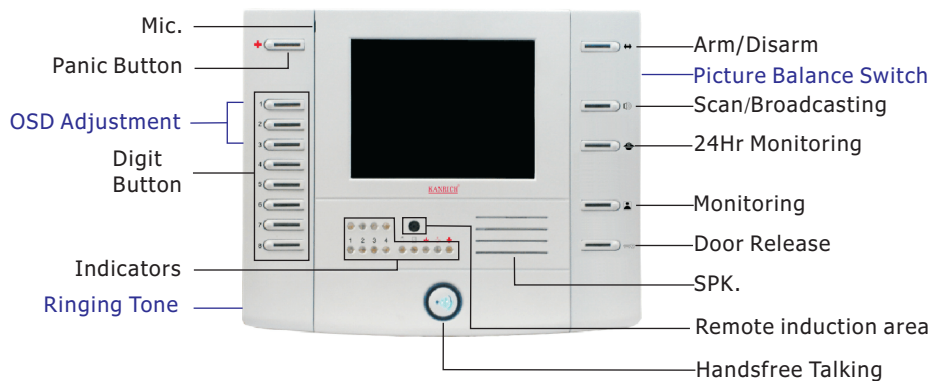


PH-912 Video Doorphone System for Single House

Max. Capacity :4 cameras and up to 4 monitors

PH-912 Mi Video Anti-Burglar Handsfree Color Monitor



Buttons:

- + Panic Button:**
1. Press the button **+** 2 sec. access to "arm status", camera send an alarm sound 30 sec., too.
 2. Clear "arm status"
 - A. If it is in "disarm status", please clear it by press this button **↔** 2 times.
 - B. If it is in "arm status", please clear it by enter password.

↔ Arm/Disarm Button: **Arm (2 ways)**

1. **Delay anti-burglar:** Press this button **↔**, after 60 sec. access to "anti-burglar status". The 60 sec. is delay time providing you have enough time to close door before "anti-burglar status".
2. **Immediate anti-burglar:** After close doors and windows, just start "external setting device" accessing to "anti-burglar status". Once any loop is triggered, anti-burglar alarm will be acted immediately.

Disarm(2 ways)

1. "Press **↔** (arm/disarm button) +4-digit password", anti-burglar alarm will be cleared.
2. To clear(disarm) anti-burglar alarm by "external setting device".

How to change anti-burglar password ?

Holding the button **↔** about 10 sec. till hear "Du" and LED flashing, enter default password "1234" + press **↔** LED stop flashing + enter new password(Pick any 4 digits from 1,2,3,4.....8)+ press **↔** hear "beep"+enter new password again + press **↔**, finish change password.

For example: From old password "1234" change to new password "5678"

Holding the button **↔** about 10 sec. till hear "Du" and LED flashing, enter old password "1234" + press **↔** LED stop flashing + enter new password "5678" + press **↔** hear "beep" + enter "5678" again + press **↔**.

[Note] 1. Any step is wrong when you change password, it has to return the first step to set again.

2. If the password is missed, please contact your sales and order one new password IC.

📺 Scan/Broadcasting Button:

1. Press monitoring button **👤** + scan button **📺** - access to "camera monitoring circulating mode and scan all cameras according to camera no.1, no.2, no.3 & no.4. Press scan button **📺** one more time for finishing "scan mode". PS. Just press monitoring button **👤**, camera no.1 will be acted.

2. Broadcasting : 2 kinds of operation modes ---Single Monitor Broadcasting & All Monitors Broadcasting

Single Monitor Broadcasting : Press digit "1" + **📺**, to monitor no.1 broadcast only + Press "**📺** or **●📺**" finish
Press digit "2" + **📺**, to monitor no.2 broadcast only + Press "**📺** or **●📺**" finish
Press digit "3" + **📺**, to monitor no.3 broadcast only + Press "**📺** or **●📺**" finish
Press digit "4" + **📺**, to monitor no.4 broadcast only + Press "**📺** or **●📺**" finish

All Monitors Broadcasting : Press **📺** to all monitors broadcast + Press "**📺** or **●📺**" finish

🏠 24Hr Monitoring Button:

Press **👤** + 24Hr Monitoring Button **🏠** - access to "24Hr scan camera mode" and to monitor the camera which has been set "24Hr monitoring". Press 24Hr monitoring button **🏠** one more time for finishing "24 Hr scan camera mode". PS. The Camera no. of "24Hr monitoring" is set by resident, if the resident set "camera no.3" is "24Hr monitoring", the picture of camera no.3 will be monitored in 24 Hr. on monitor.

PH-912 Video Doorphone System for Single House

PH-912 Mi Video Anti-Burglar Handsfree Color Monitor



Monitoring Button:

Press monitoring button  to monitor camera status. If you install not only one camera, press digit button "1","2","3" & "4" to monitor camera no.1 or no.2 or no.3 or no.4 .



Door Release Button:

Press door release button  to open the door which you are watching it on the screen.



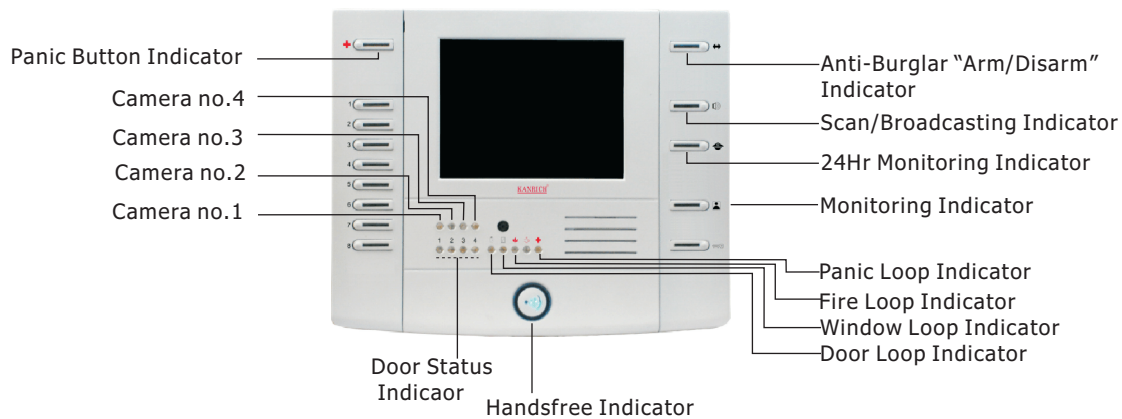
Handsfree Talking Button:

Press  for getting a call and talking , finish talking, press  one more time for off line.

Digit Button(for intercom communicating):

1. Press "1" +  to call monitor no.1 and talk. Press "2" +  to call monitor no.2 and talk...no.4 and talk. If you forget to press  one more time to finish talking, after 180 sec. will be off line automatically.
"1" button : call monitor no.1
"2" button : call monitor no.2
"3" button : call monitor no.3
"4" button : call monitor no.4

Indicators



Panic button Indicator: Normally red LED is on
Anti-Burglar "Arm/Disarm" Indicator:
Disarm→Blue LED off
In arming →Blue LED flashing
Arm→Blue LED on

Scan/Broadcasting Indicator: Normally red LED is off
24Hr Monitoring Indicator: Normally red LED is off

Access to "Camera monitoring circulating mode" or "24Hr scan camera mode" → Red LED flashing

Monitoring Indicator : Normally red LED is off

Camera no.1~Camera no.4 :
Camera no.1 is acted, red LED is on
.....
Camera no.4 is acted , red LED is on

Door Status Indicator:
Door Open: Red LED is on
Door Close : Red LED is off

Panic Loop Indicator: Normally red LED is off
Panic loop is triggered → Red LED flashing

Fire Loop Indicator: Normally red LED is off
Fire loop is triggered red LED flashing

Window Loop Indicator: Normally red LED is off
Window loop is triggered red LED flashing

Door Loop Indicator: Normally red LED is off
Door loop is triggered red LED flashing

Handsfree Button Indicator :Normally Blue LED is on

PH-912 Video Doorphone System for Single House

PH-912 Mi Video Anti-Burglar Handsfree Color Monitor

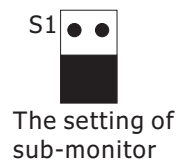
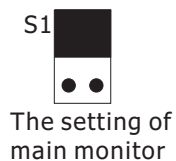
Notes

Screen Adjustment

1. The adjustment of brightness, contrast and color ---Press "OSD Adjustment" button to choose which one you want to adjust .
2. Calling Tone Volume adjustment :
There are 3-step to adjust depends upon request .
3. 750hm Switch :
It depends upon installation request , the furthest monitor switch "on" or "off".
4. Remote Induction Area :
The induction area for receiving remote signal.

The terminals and S1 on the back of monitor

1. CN1: connecting terminals of doorphone system
2. CN2: connecting terminals of anti-burglar system
3. S1 : For sub-monitors, more monitors need more powers and S1 needs to be set.



RM-912 Remote



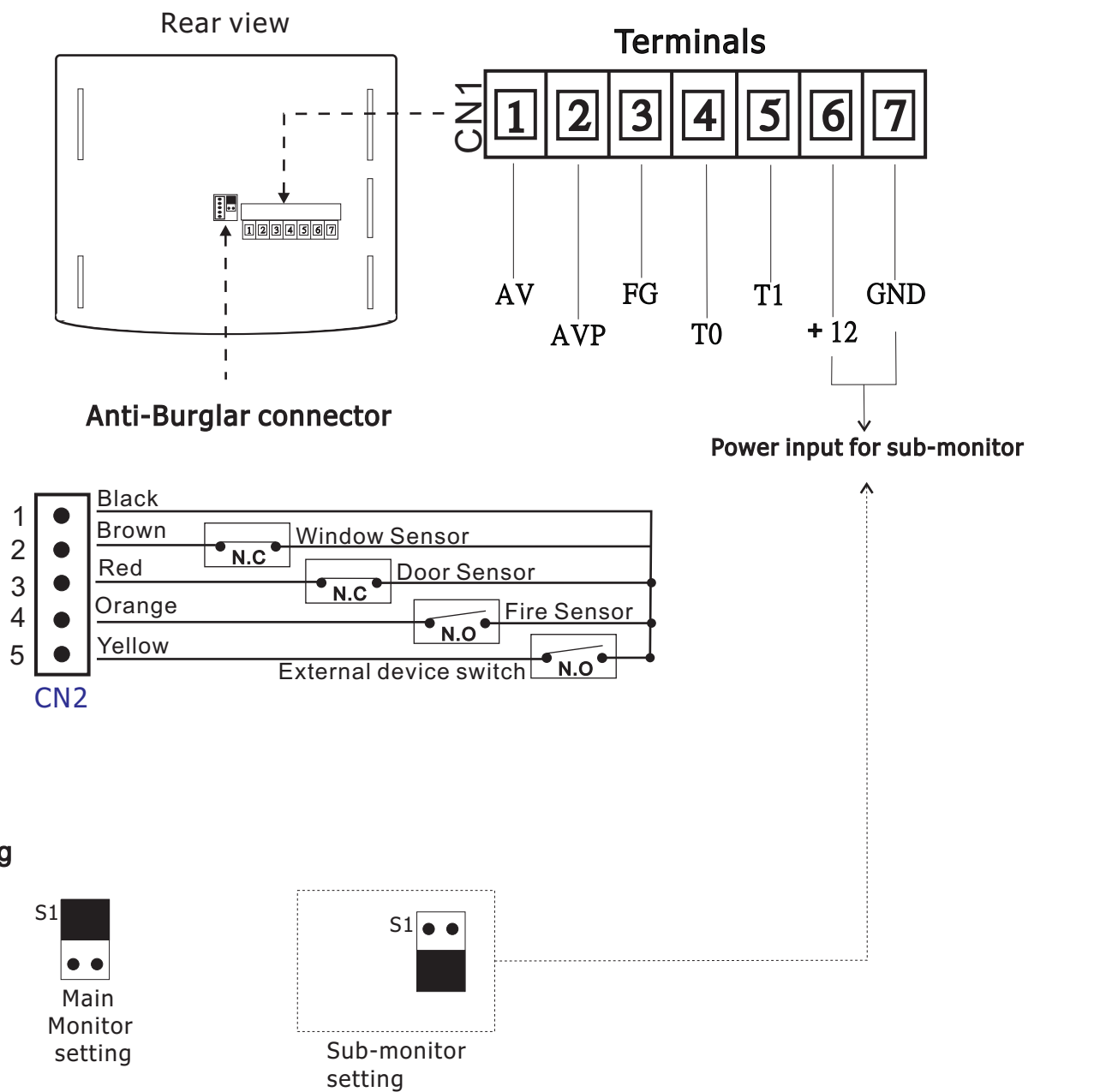
Panic Button: on/off panic function by remote

Handsfree Talking button:
on/off handsfree talking function by remote.

Door Release Button:
on/off door release function By remote.

PH-912 Video Doorphone System for Single House

PH-912 Mi Video Anti-Burglar Handsfree Color Monitor



PH-912 Video Doorphone System for Single House

PH-912 Mi Video Anti-Burglar Handsfree Color Monitor

Anti-Burglar Loops Specifications:

Anti-Burglar loops: There are 4 burglar loops, "door N.C.1", "window N.C.2", "Panic Loop N.O." & "Fire Loop N.O.".
Door and window N.C. loop output impedance + circuit impedance > 5K Ohm as trigger, 5K~3K Ohm is uncertain value, it is possible to judge trigger. < 3K Ohm as normal loop.
Panic, Fire N.O. loop output impedance + circuit impedance < 3K Ohm as trigger, 5K~3K Ohm is uncertain value, it is possible to judge trigger. > 5K Ohm as normal loop.

Loop detective conditions:

N.C.1 Door detective loop: Under the status of disarm system, no "N.C. 1 Door detective loop" to transmit. There are 2 kinds of modes after arm system- "immediate arm" & "delay arm(60 sec.).

Once one of loops is triggered, system will transmit **an alarm** immediately **during arm anti-burglar period**. alarm sound will keep ringing 90 sec. then stop. The loop can't be changed situation after trigger.

N.C.2 Window detective loop: Under the status of disarm system, no "N.C. 2 Window detective loop" to transmit. After arm system- Only one kind of "immediate arm". Once the **loop** is triggered, system will transmit **an alarm** immediately **during arm anti-burglar period**. alarm sound will keep ringing 90 sec. then stop. The loop can't be changed situation after trigger.

Panic loop: "Panic" is not subjected to the influence of "arm/disarm system". Once the loop is triggered, system will transmit **an alarm** immediately; alarm sound will keep ringing 90 sec. then stop. The loop can't be changed situation after trigger.

Fire detective loop: "Fire detective loop" is 24-hour detective loop, it is not subjected to the influence of "arm/disarm system". Alarm sound will keep ringing 90 sec. then stop. The loop can be changed then stop transmitting. Loop detective speed : Each loop status change is bigger than 200mS as trigger.

Anti-burglar Operation:

1. Arm anti-burglar system when you at home :

Press "Arm/Disarm Button" $\leftrightarrow$, the "Arm LED" is flashing and access to anti-burglar system after 60 sec.

If you are erroneous to press $\leftrightarrow$, just press $\leftrightarrow$ again with in 59 sec. for clearing this setting, no need to enter password.

After arm anti-burglar system, door loop(N.C.1) is with the function of delay arm(60 sec.). Once N.C.1 loop is triggered, system will alarm immediately during the time of arm anti-burglar system. Window loop(N.C.2) is no limitation of delay arm (60 sec.). After arm anti-burglar system, once N.C.2 loop is triggered, system will alarm immediately during the time of arm anti-burglar system.

Arm anti-burglar period: Once the Door loop(N.C.1) and window loop(N.C.2) are triggered, the LED is fixed light on, you have to clear this status by password or external device.

Disarm anti-burglar period: The LED will be different depends on loop status.

2. Disarm anti-burglar system when you at home:

Press "Arm/Disarm Button" $\leftrightarrow$ + "anti-burglar password(4-digit)" + "Arm/Disarm Button" $\leftrightarrow$, you have disarmed anti-burglar system if your password is correct.

3. Arm/Disarm anti-burglar system when you are going out:

There is one set contact for connecting an external device in monitor and the external device can control arm/disarm anti-burglar system. You can connect "key box" or "card reader" or "fingerprint machine" or other access control devices to the contact of monitor.

Disarm anti-burglar period: Start the external device, the "Arm LED" is fixed light on, it means you have armed anti-burglar system.

Arm anti-burglar period: Start the external device, the "Arm LED" is light off, it means you have disarmed anti-burglar system.

4. "Arm LED": Arm indicator, fixed light on system is armed; light flashing--system is in arming.

Panic(N.O.1) / Fire(N.O.2) : The 2 loops are 24-hour detective loops, Fire(N.O.2) will send an alarm or stop an alarm depends upon the status of detector.

Once panic(N.O.1) is triggered will send an alarm 3 min. you have to disarm this alarm by password or by external device.

5. Alarm Sound: 3 kinds of alarm sound N.C.1/2 loop, Fire(N.O.2)/Panic(N.O.1) The alarm sound is 180 sec., each 30 sec. stop 10 sec. and repeat the same circle total 6 times.

An ambulance sound Panic loop action

A fire engine sound Fire loop action

A police car whistle Door/Window loop action

6. Note: Under the anti-burglar period, it's unallowable to operate the initiative functions on monitor, for instance, Monitoring/Change ringing melody/change password.

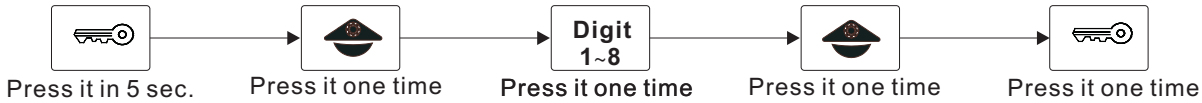
7. One monitor sent an alarm, any one of same apartment's monitors can preform "disarm" this action.

PH-912 Video Doorphone System for Single House

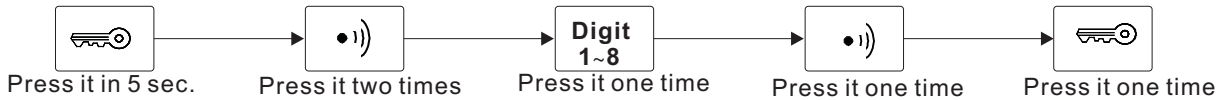
PH-912 Mi Video Anti-Burglar Handsfree Color Monitor

The setting of camera no. and monitor no.

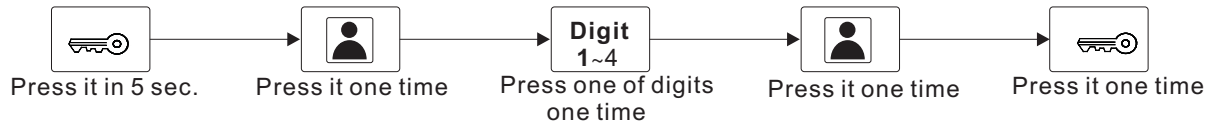
1. The setting of main monitor no.



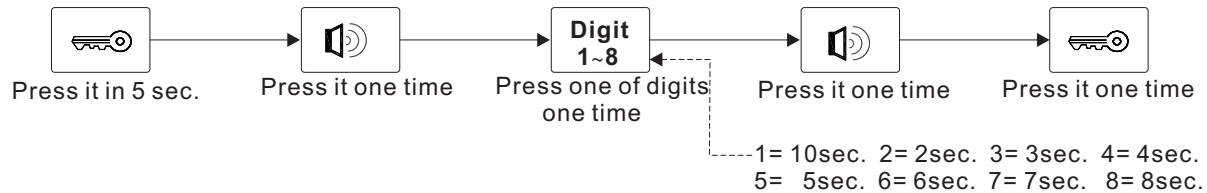
2. The setting of sub-monitor no.



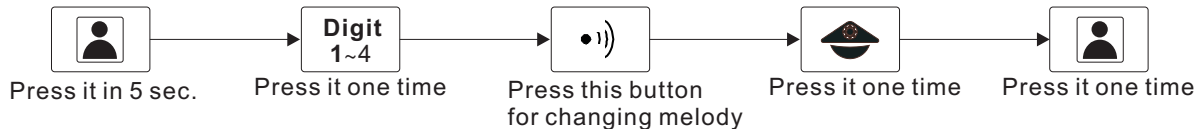
3. The camera order setting of scan monitoring



4. The setting of auto. scan monitoring time



5. The setting of camera calling melody



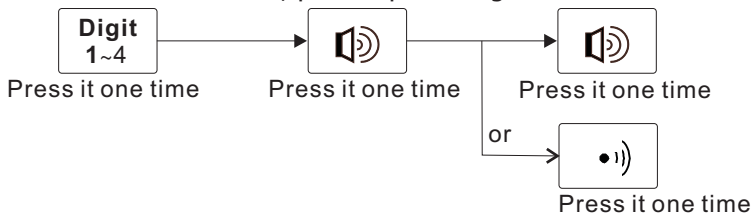
Repeatedly above steps to set different calling melody for different camera(camera 1/2/3/4).

6. Broadcasting

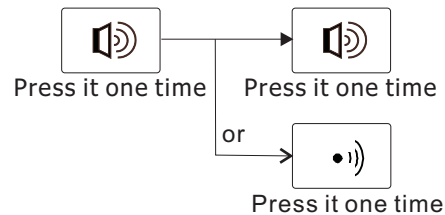
Single Monitor Broadcasting :

Pick one of monitors and press it

Ex. monitor no.3 , please press digit "3"



All Monitors Broadcasting



Specifications :

Power: DC 15V Provided by 912CS1/912CS4

Consumption Current Video : Standby 150mA Working 800 mA(1Camera+1Monitor)

Resolution : Color 480(H) x 234(V)

Communicating Interface Picture : 4-wire

Installation Way : Surface mounting type

Material : burn-tolerant ABS

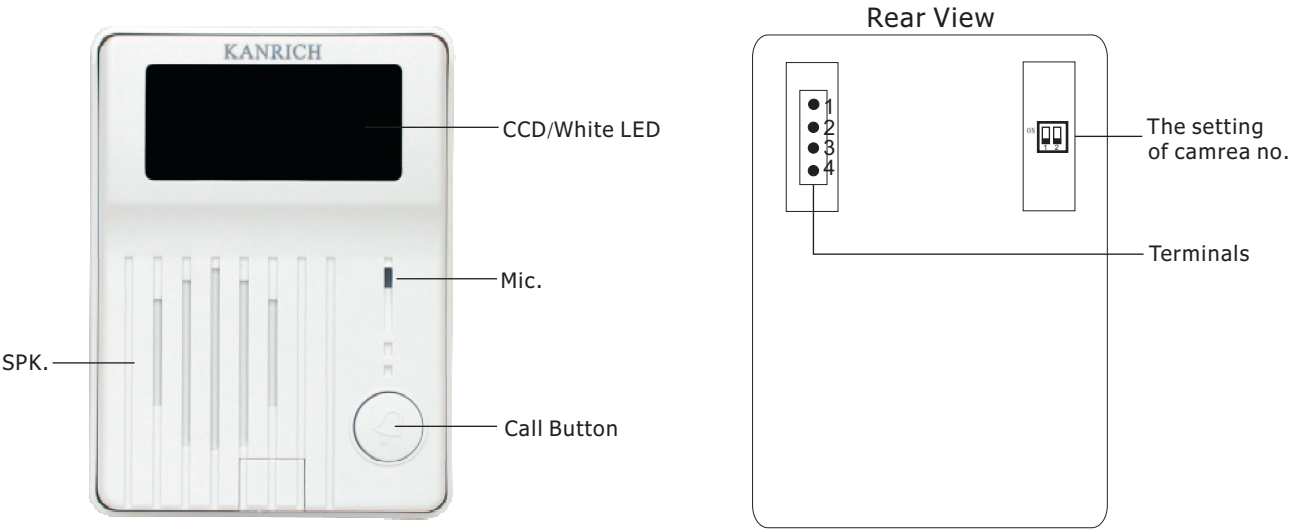
Dimensions : (H)140mm/(W)170mm/(D)35mm

Weight : 300g

Measurement: 0.2 cuft

PH-912 Video Doorphone System for Single House

PH-912CPL ABS Color Camera

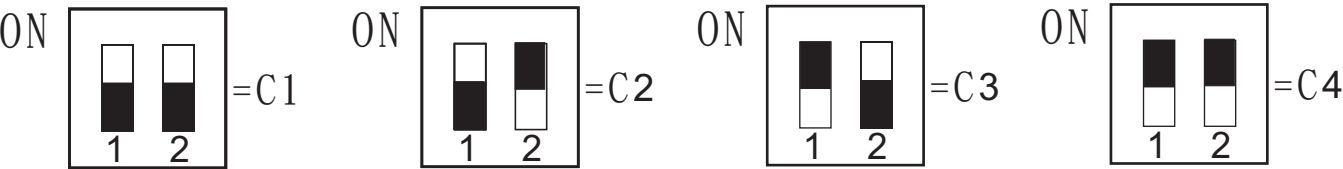


Call Button Function

Press "call button", make a call to monitor and hear a feedback melody means this is a successful call.

How to set camera no.?

Please set camera no. according to the following ways .



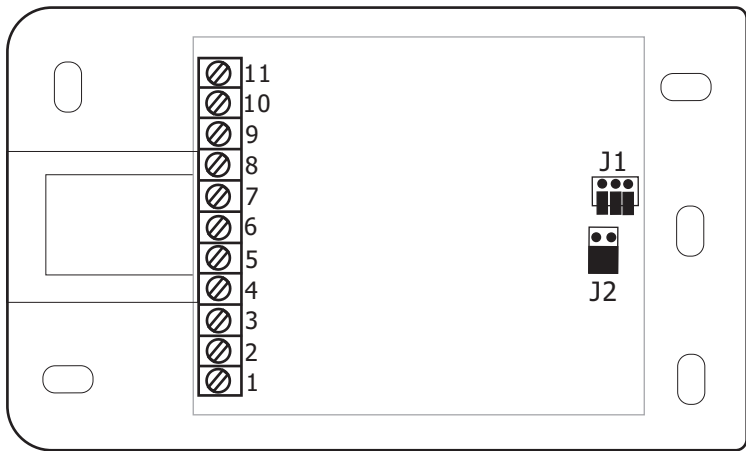
Above the setting of camera no., corresponds with the terminals of 912CS4 multi-camera selector .

Camera no.	the terminals of 912CS4
C1	----- CN1
C2	----- CN2
C3	----- CN3
C4	----- CN4

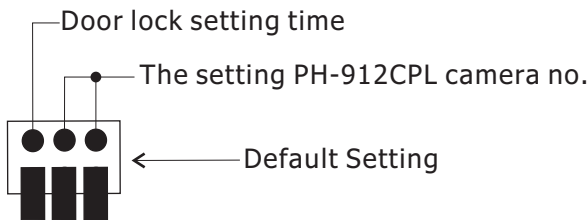
Camera no. must correspond with the terminals of 912CS4. If any one of terminals is an error connection, no matter video or audio will be not working.

PH-912 Video Doorphone System for Single House

PH-912DS Door lock control box (for PH-912 CPL only)



J1 jump connector



Door lock setting time



Door lock
2 sec.



Door lock
15 sec.

The setting of PH-912DS no. corresponds with camera no., any error will happen “cannot open door”.



=C1



=C2



=C3



=C4

J2 jump connector

N.C Type ---- Door Open→PH-912Mi Door indicator “light on”
Door Close→PH-912Mi Door indicator “light off”

N.O Type ---- Door Open→PH-912Mi Door indicator “light off”
Door Close→PH-912Mi Door indicator “light on”

N.C TYPE



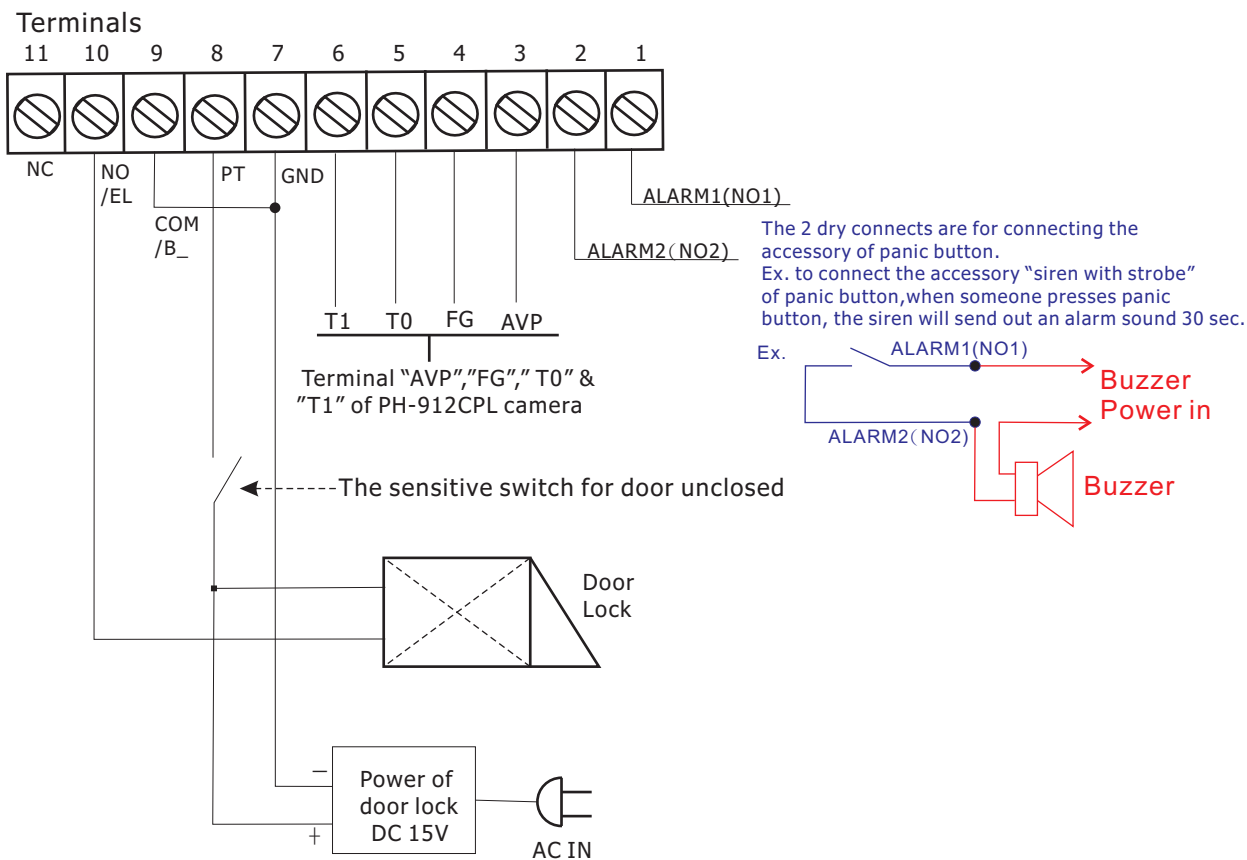
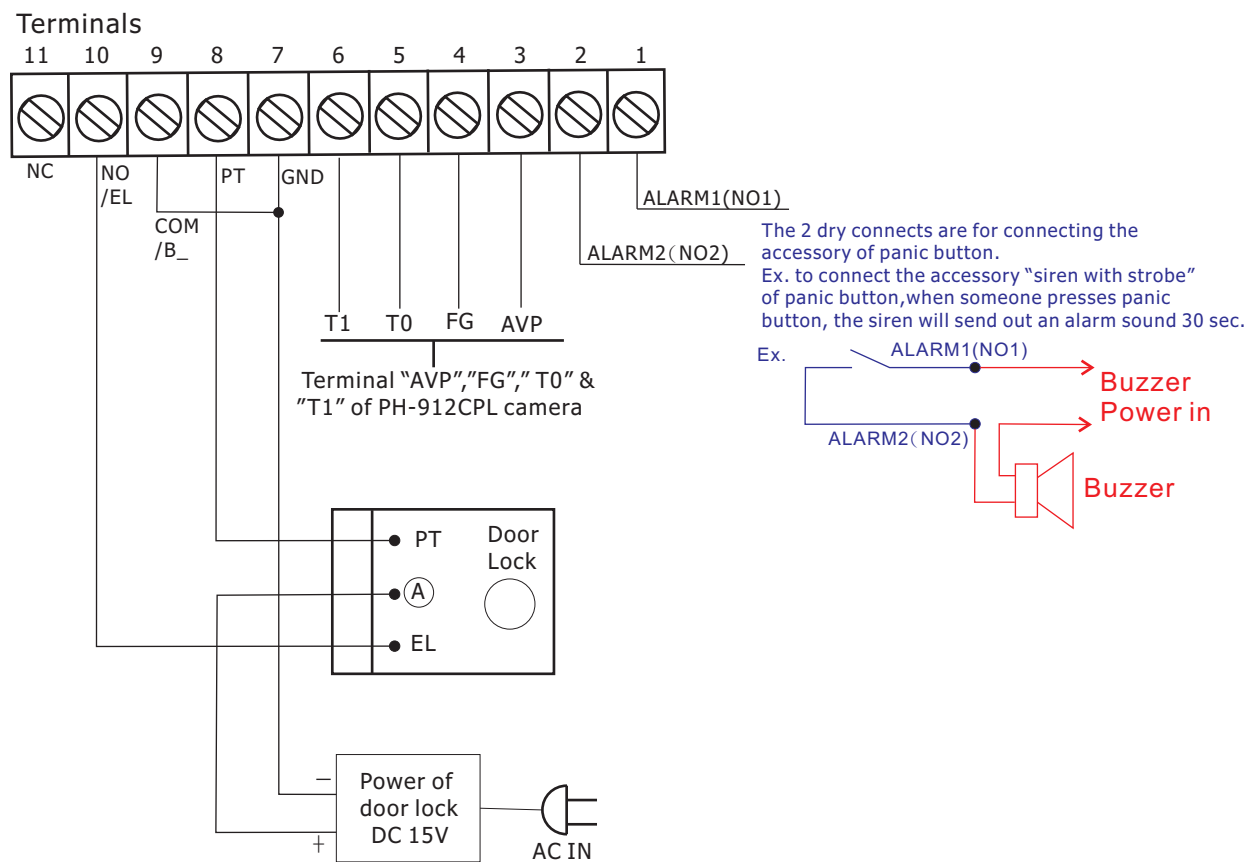
N.O Type



Default Setting

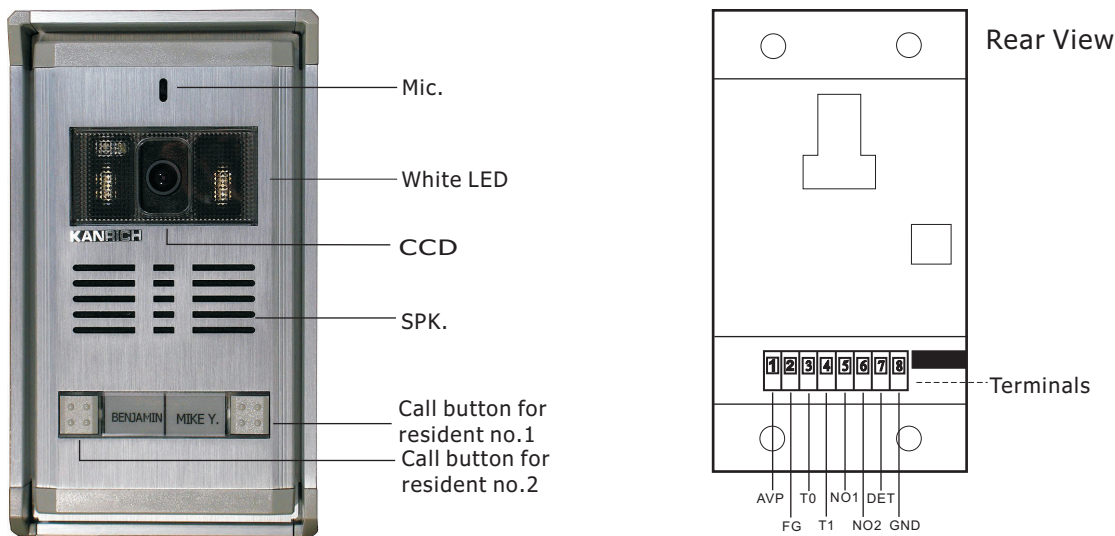
PH-912 Video Doorphone System for Single House

PH-912DS Door lock control box



PH-912 Video Doorphone System for Single House

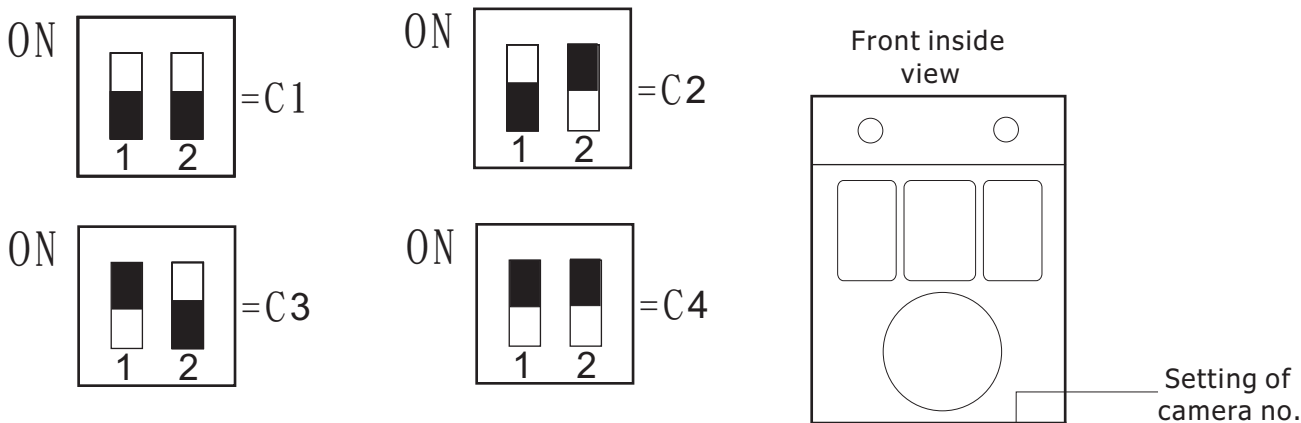
PH-912C2AL 2-button Aluminum Color Camera



Call Button Function

- 1. Press "call button", make a call to monitor and hear a feedback melody means this is a successful call.
 - 2. Call button for resident no.1 & call button for resident no.2 correspond with the setting of PH-912Mi monitor."
- For example : "call button for resident no.1": PH-912Mi monitor no. is "1" .
"call button for resident no.1": PH-912Mi monitor no. is "1"(Please refer to page 6.)

The setting of camera no.
Please set camera no. according to the following ways .



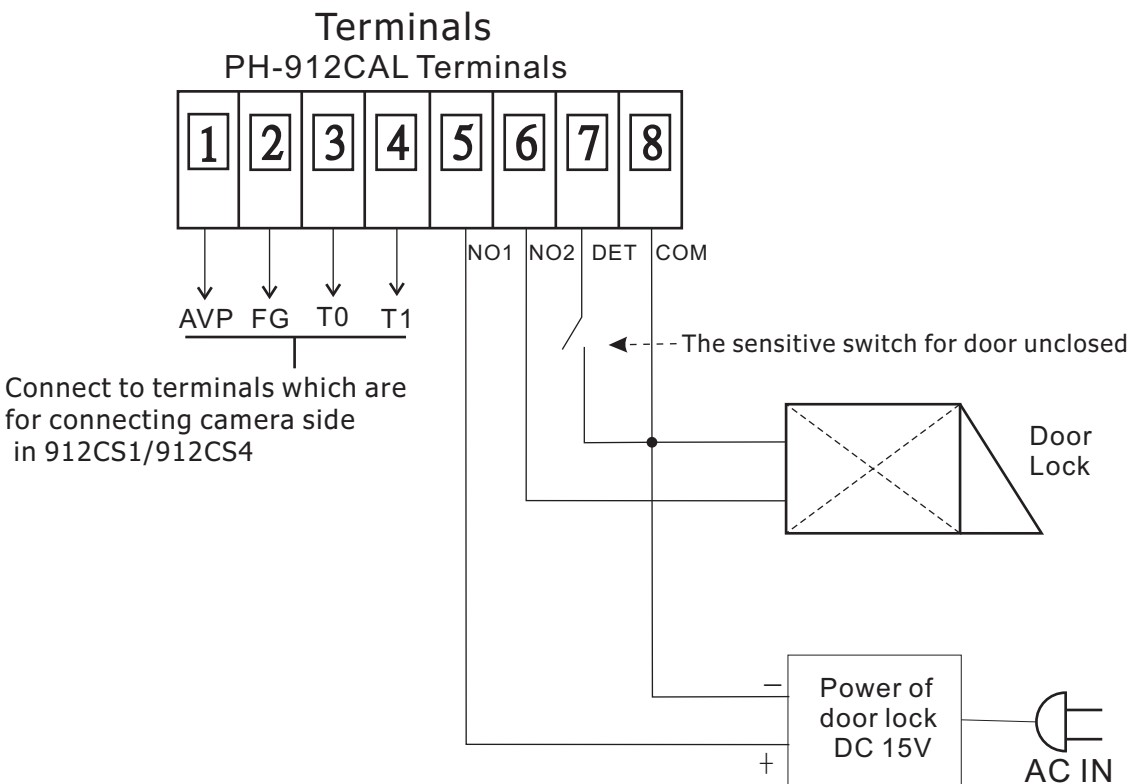
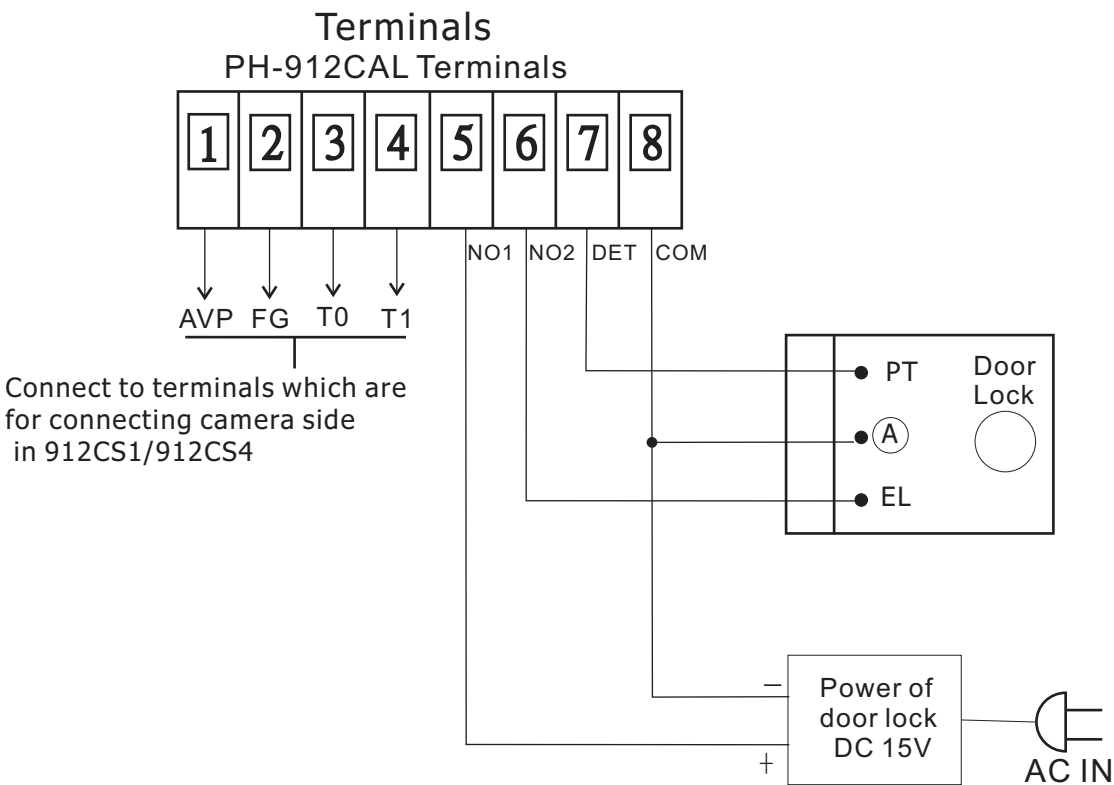
Above the setting of camera no., corresponds with the terminals of 912CS4 multi-camera selector.

Camera no.	the terminals of 912CS4
C1	CN1
C2	CN2
C3	CN3
C4	CN4

Camera no. must correspond with the terminals of 912CS4. If any one of terminals is an error connection, no matter video or audio will be not working.

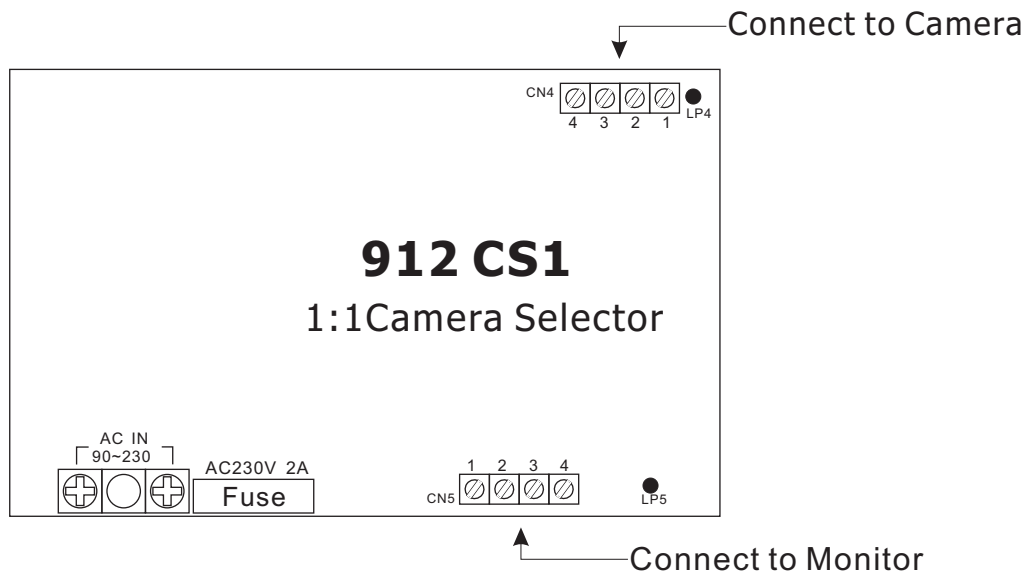
PH-912 Video Doorphone System for Single House

PH-912CAL Aluminum color camera



PH-912 Video Doorphone System for Single House

912 CS1 1:1 Camera Selector



AC IN 90~230 : AC 90 ~ 230V input

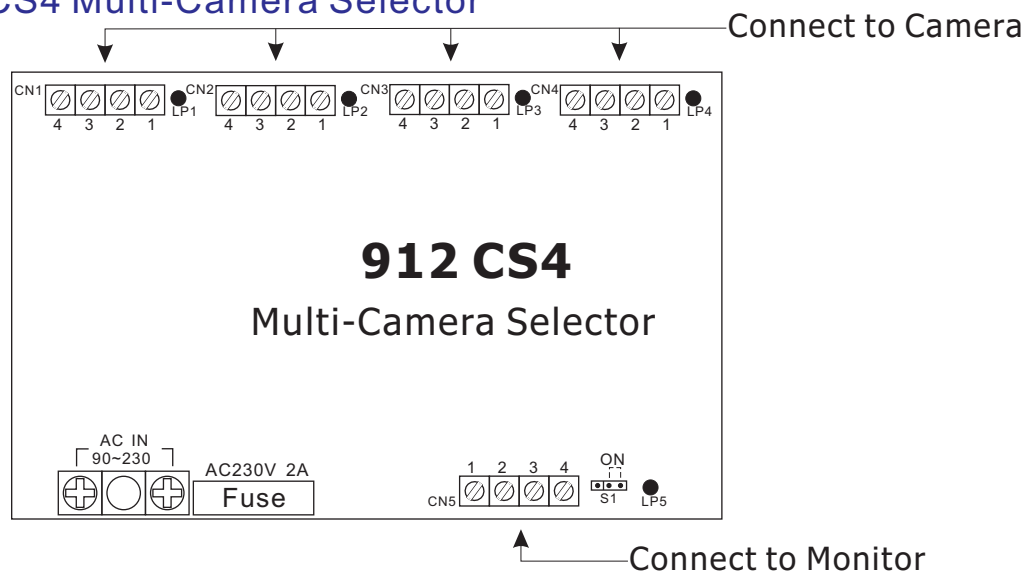
CN5 : terminals for connecting to monitor

CN4 : terminals for connecting to camra

AC230V 2A : fuse

LP5 : power indicator Blue

912 CS4 Multi-Camera Selector



AC IN 90~230 : AC 90 ~ 230V input

CN5 : terminals for connecting to monitor

AC230V 2A : fuse

LP5 : power indicator Blue

CN1: terminals for connecting to camra no.1

CN2: terminals for connecting to camra no.2

CN3: terminals for connecting to camra no.3

CN4: terminals for connecting to camra no.4

S1 : T0, T1 balance resistor---Please set S1 to "ON" when call monitor or to monitor door status is unstable.

LP1 : light on(blue) camera no.1 is working

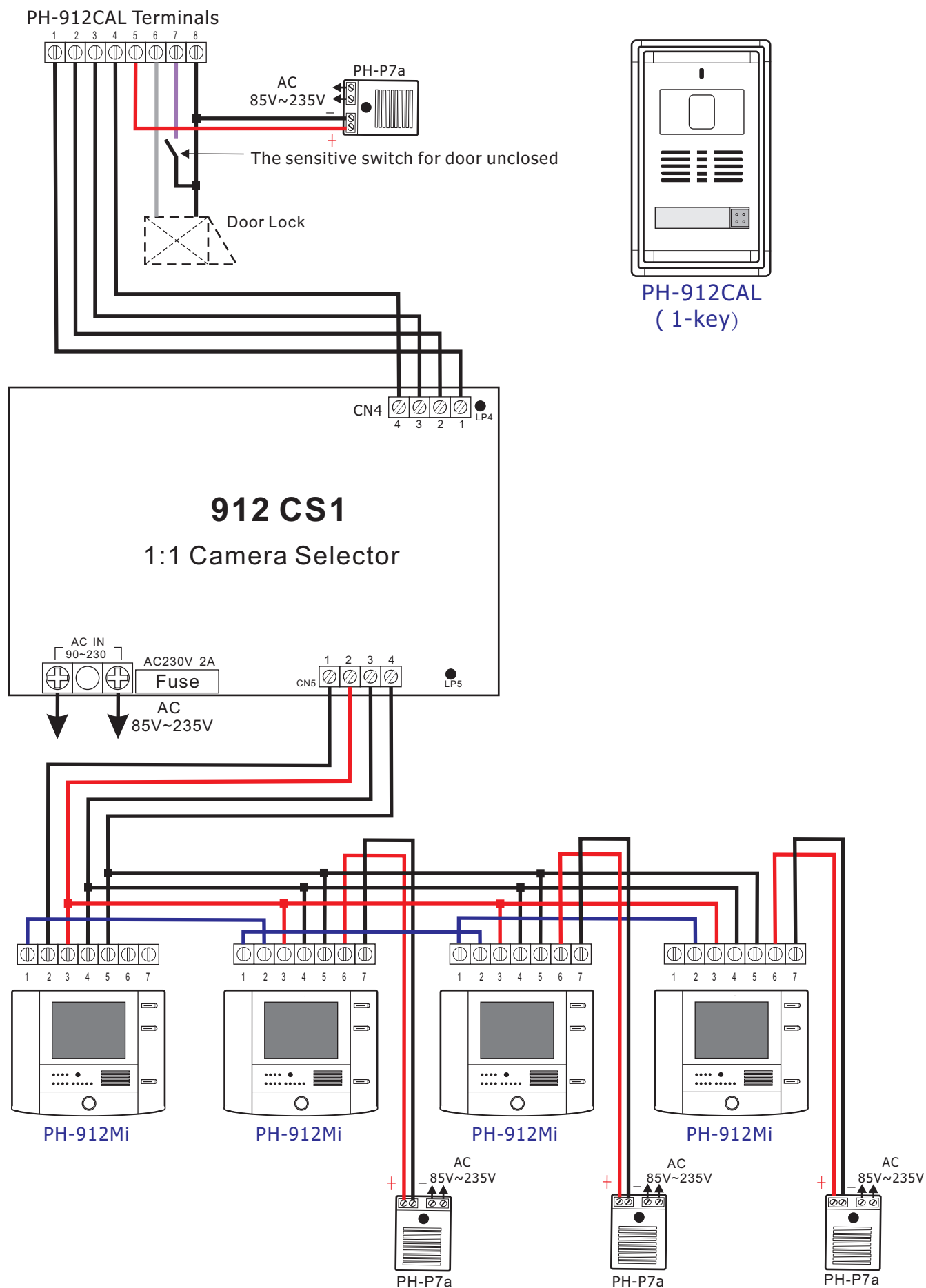
LP2 : light on(blue) camera no.2 is working

LP3 : light on(blue) camera no.3 is working

LP4 : light on(blue) camera no.4 is working

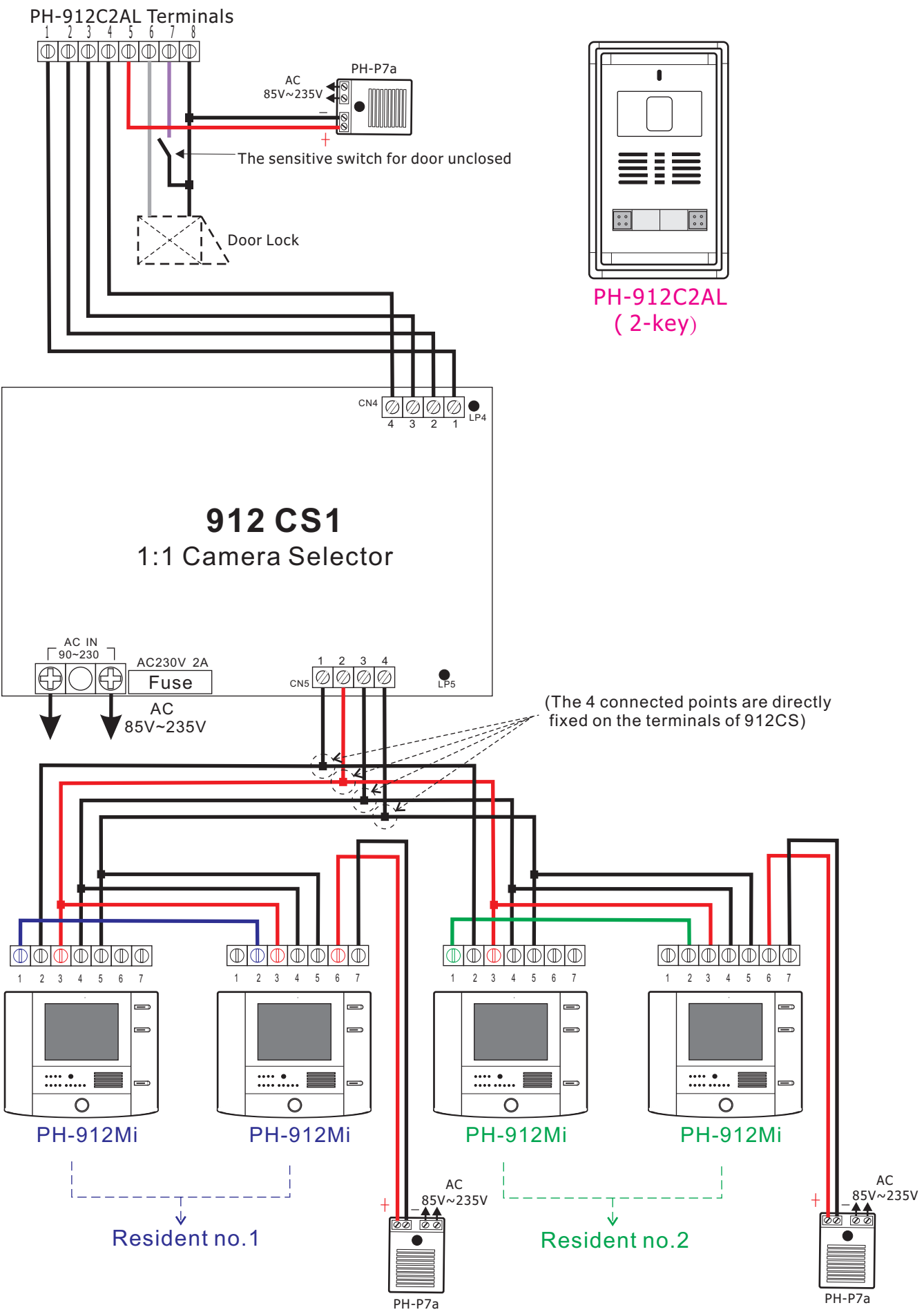
PH-912 Video Doorphone System for Single House

PH-912CAL / PH-912Mi Wiring Diagram



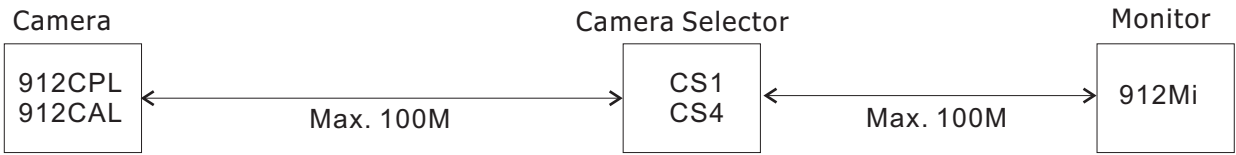
PH-912 Video Doorphone System for Single House

PH-912C2AL / PH-912Mi Wiring Diagram

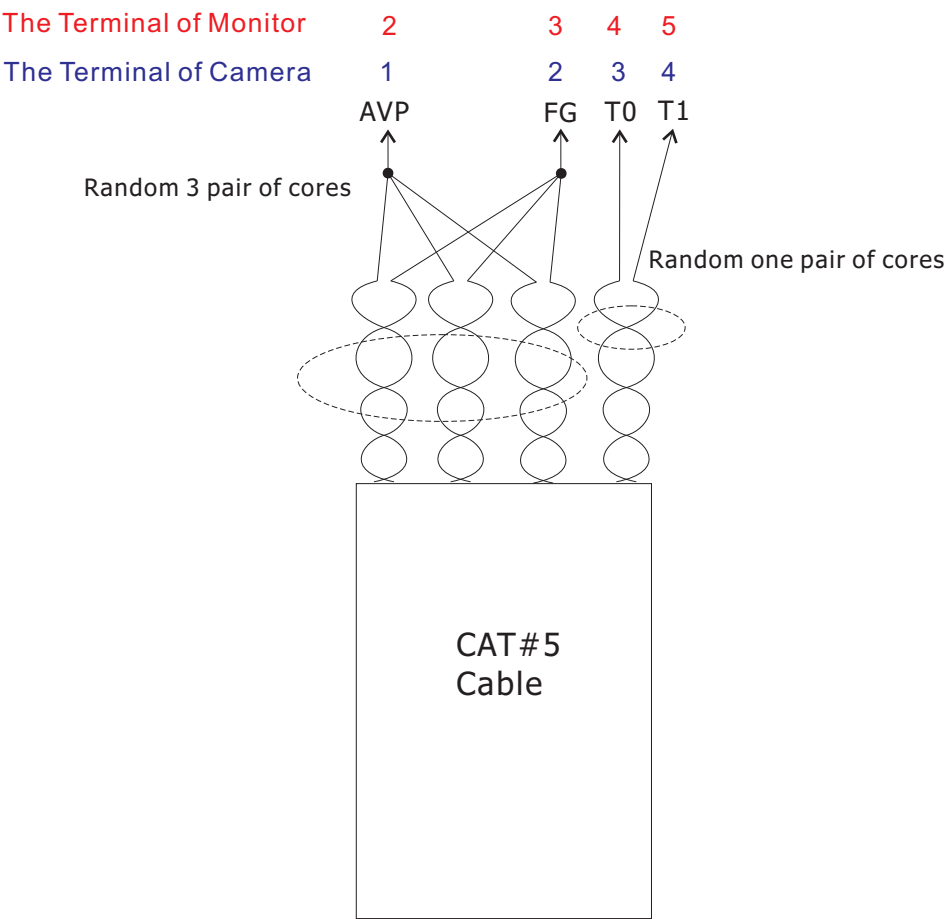


PH-912 Video Doorphone System for Single House

The distance between camera and 912CS1/CS4 and monitor



- 1. Please pay attention to distance limitation .
- 2. Connecting wire : CAT#5
- 3. CAT#5--- Please refer to the following picture.



2008.11.07