

# **VIDEO DOOR PHONE FOR VILLA**

USER MANUAL

*ElectrOnline*

Please read all of these instruction before installation

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## 1.Description

### a. Product Introduction

This video door phone use international 5-wire( or 4-wire ) structure design.Use5-wired system ,the fifth wire ( green wire ) can be used for the intercom between monitor,The Max distance of audio & video transmission is 100meters.

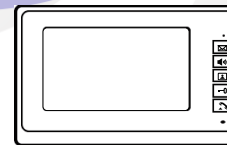
Video : We use import TFT-LCD Screen ,with high resolution,image is very clear . The screen color and brightness can be adjusted by yourself.

Camera: We use 0.3 Mega Pixels , with night vision,which have two types can be chosen, color image(white LED fill-in light) or black and white image(Infrared light)

Audio: We use tel-phone general chip, clearly, strong anti-jamming capability, low failure rate. We use professional music chip,with 36 music can be chosen, all with adjustable volume.Some products have ring cancel function.

The indoor unit have the monitor function, you can monitor the outdoor scene at any time.it is an ideal home security product which will make for a safer home environment.

### b. Standard Package



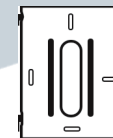
Indoor unit



Outdoor unit



Adapter



Indoor unit wall-plate



Cable



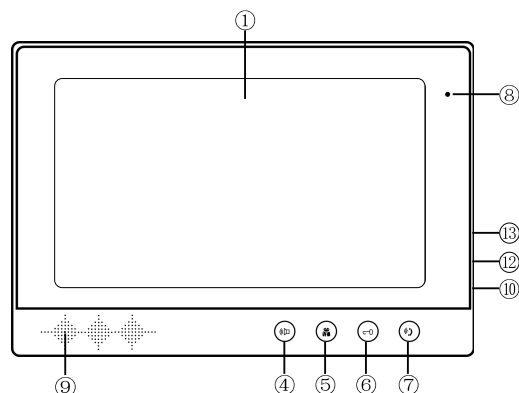
Screws

**Note:** Due to ongoing product development and quality improvements,it is possible that the illustrations shown in this manual differ slightly from the actual product.

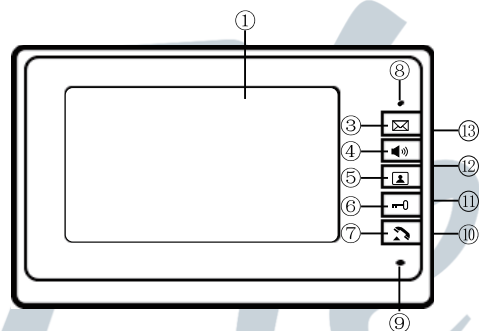
## 2.Indoor unit

- ①. TFT-LCD display screen
- ②. Speaker
- ③. Ring cancel
- ④. Ring tone & Ring volume adjustment
- ⑤. Monitor button
- ⑥. Unlock button
- ⑦. Intercom or call button
- ⑧. Power LED
- ⑨. Microphone
- ⑩. Intercom volume adjustment
- ⑪. NULL
- ⑫. Screen color adjustment
- ⑬. Screen brightness adjustment
- ⑭. DC 15V Adaptor sockets
- ⑮. Sockets for outdoor unit connection  
(The same function for two sockets)

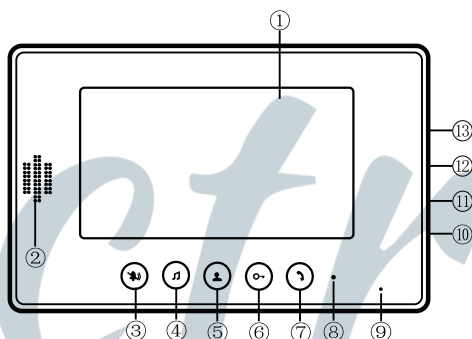
a.10inch



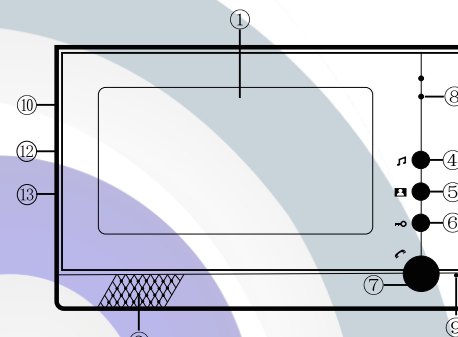
b.7inch(model 1)



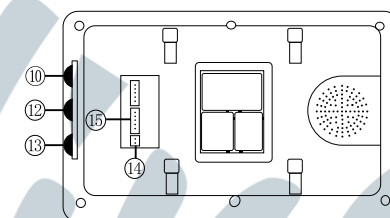
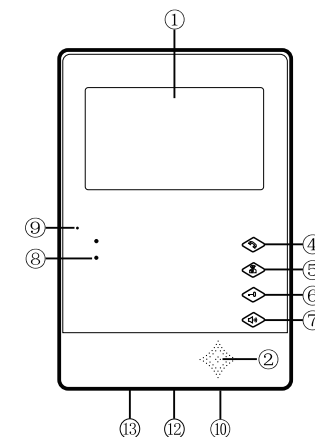
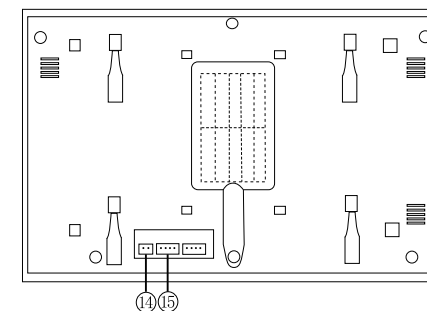
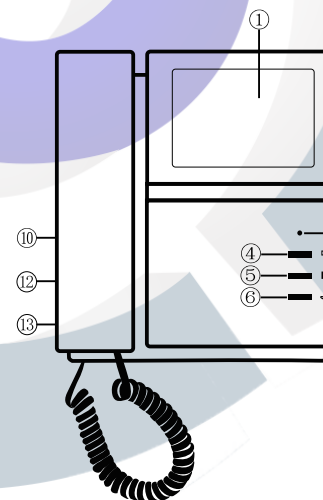
c.7inch(model 2)



d.7inch(model 3)

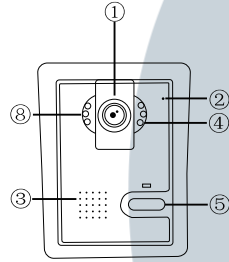
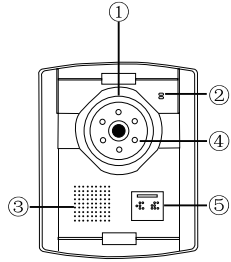


e.4.3inch

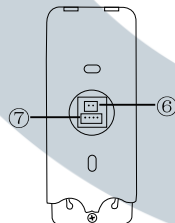
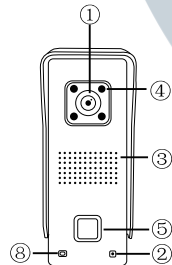
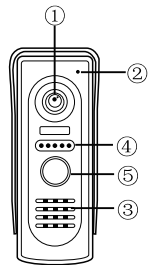
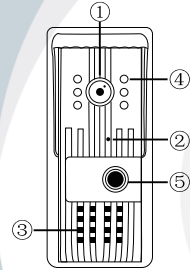


### 3.Outdoor unit

- ①. Camera
- ②. MIC
- ③. Speaker
- ④. LED
- ⑤. Call button

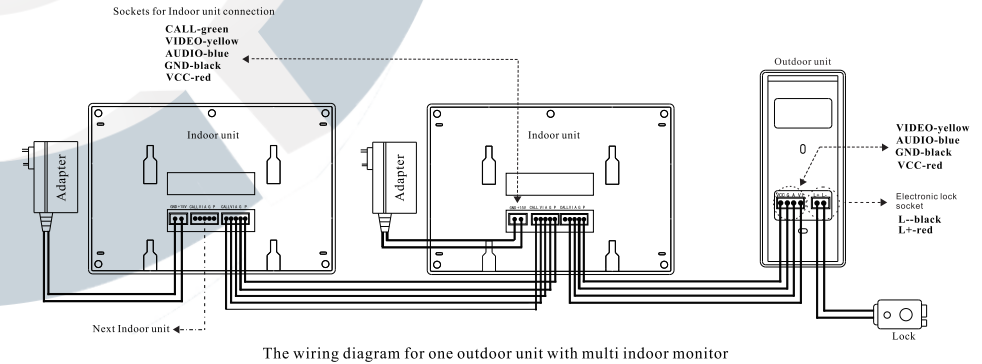
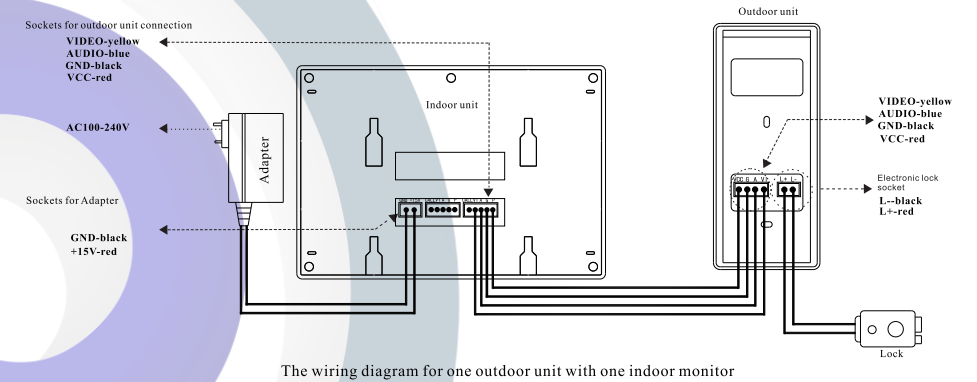


- ⑥. “L+L-” Sockets for lock
- ⑦. 4P Sockets for indoor unit
- ⑧. Light sensor(Don’t cover it,otherwise the light for night vision will light up at daytime)



#### 4.Connection of the video doorphone

**Please connect the video doorphone as shown in the wiring diagram(Model:F;M2;M3;L)**



## IMPORTANT!

- a. If you want to test your video door phone before installing it, keep indoor unit at least 3 meters far from outdoor unit. Otherwise, it will emit an unpleasant shrill sound.
- b. On the one outdoor unit with Multi-indoor monitors system, indoor monitor can use 4-wired, or 5-wired, if use 4-wired to link, there's no need to use the green wired, at the same time, no function for the intercom between monitor.

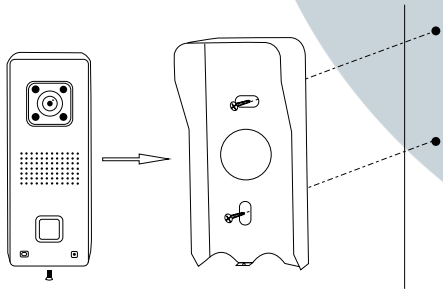
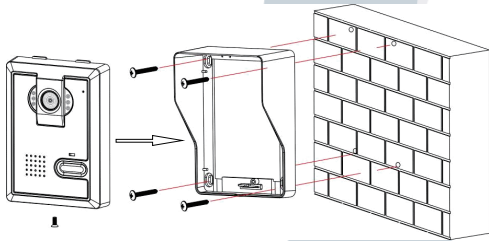
## 5.Installation

### a.Prepare before install

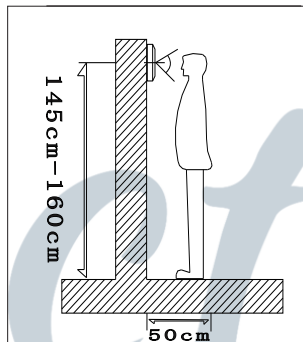
First,open the packing box,please check the accessory is full or not;  
Second,checking the cover(be damage,water,struck or not);  
Third,test the product with our test cable;  
Fourth,prepare the install tools;  
Fifth,prepare install.

### b.Outdoor unit

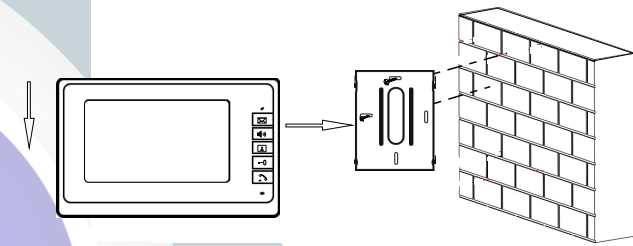
Make sure that the camera lens is not pointing directly at the sun or at a reflective surface



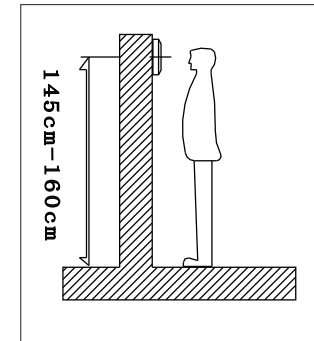
Outdoor unit Standard installation  
height is 145cm~160cm  
(distance between camera and the floor)



### c.Indoor unit



Indoor unit Standard installation  
height is 145cm~160cm  
(distance between screen centre and the floor)



## 6. Operating Instructions

### a. Settings

Three settings can be adjusted by the turbine (on the right side)

1. Brightness of screen
2. Color of screen
3. Volume of communication

### b. Indoor station volume & music setting

#### 1. Music settings

Press the “Monitor button” enter into working state, then press “Ring tone & Ring volume adjustment button”, you will hear the ring, at the same time, you can adjust the ring tone, 36 ring tone can be chosen, after all, closed the monitor button, finished the music settings.

#### 2. Ring volume settings

Press the “Monitor button” enter into working state, then press “Ring tone & Ring volume adjustment button”, you will hear the ring, and then keep pressing this button hold 2 seconds, the ring volume will change to higher or lower. There have three levels to choose, you can choose the best.

#### 3. Ring cancel settings

4 wire indoor monitor: Press the “Monitor button” enter into working state, then press “Ring cancel button” hold 5 seconds, the ring tone will be “OPEN” or “CLOSE”.

5 wire indoor monitor: Press the “Monitor button” enter into working state, then press “Ring cancel button” less 1 second, the ring tone will be “OPEN” or “CLOSE”.

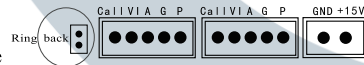
This function won't affect the image from the screen.

**Note:** you can press the “Ring tone & Ring volume adjustment button” to test whether you had succeed to setting this function.

#### 4. Ring -back settings

As the right picture, when the ring-back wired being short-circuit, the indoor monitor will return ring to the outdoor camera, and the outdoor unit will have one sound “Ding-Dong”.

Attention, when using in one outdoor unit with two or more indoor unit, just let one indoor monitor will return the ring, others' monitor will be disconnected, otherwise, the outdoor unit will get different ring from all indoor unit, that's a terrible sound.



### c. Operating

1. Visitor will push “Call button”, the monitor light up and the image of visitor will be shown in the screen. At the same time, the monitor will ring. (On the 5-wire intercom, you can push “Intercom button” to call other indoor monitors.)

2. Once the visitor has been identified, press “Intercom button” to establish a communication. NB: First pressing will establish a communication, Second pressing will close the communication.

3. Press “Unlocking button” to release the electronic lock during intercom.

4. After communication, you can press “Intercom button” to close it, or wait about 60s, then the communication will auto off.

5. Press “Monitor” button, then press “Intercom button”, you still can talk with visitors.

6. Press “Monitor” button, then press “unlocking button”, you can unlock the electronic lock. The monitor will auto off after 15s, or press “Monitor” button again to close it.

**After cutting off the power, all the ringtones Restore Defaults.**

## 7. Specification

### a. Cabling standards

Different distance, use different diameter cable, please check the following form to choose corresponding cable.

30m	RVV4*0.30
50m	RVV4*0.50
100m	RVV4*1.0

### b. Parameters

Indoor unit		Outdoor unit	
Power Supply	Input: AC100-240V Output: DC15V 1500mA	Power Supply	Receive power from monitor
Power	Standby: ≤1W Working: ≤10W	Power	Standby: ≤0W Working: ≤2W
Screen	7" TFT Liquid Crystal Display	Camera	30W
Wiring	4 OR 5 PIN Line RVV	Night Version	WLED, Super backlight compensation
Video Signal	1VP-P	Working Temperature	-30℃ ~ +60℃
Timing	Intercom: 30 seconds Monitoring: 90 seconds		
Ringtone	36 chord		
Working Temperature	-20℃ ~ +60℃		

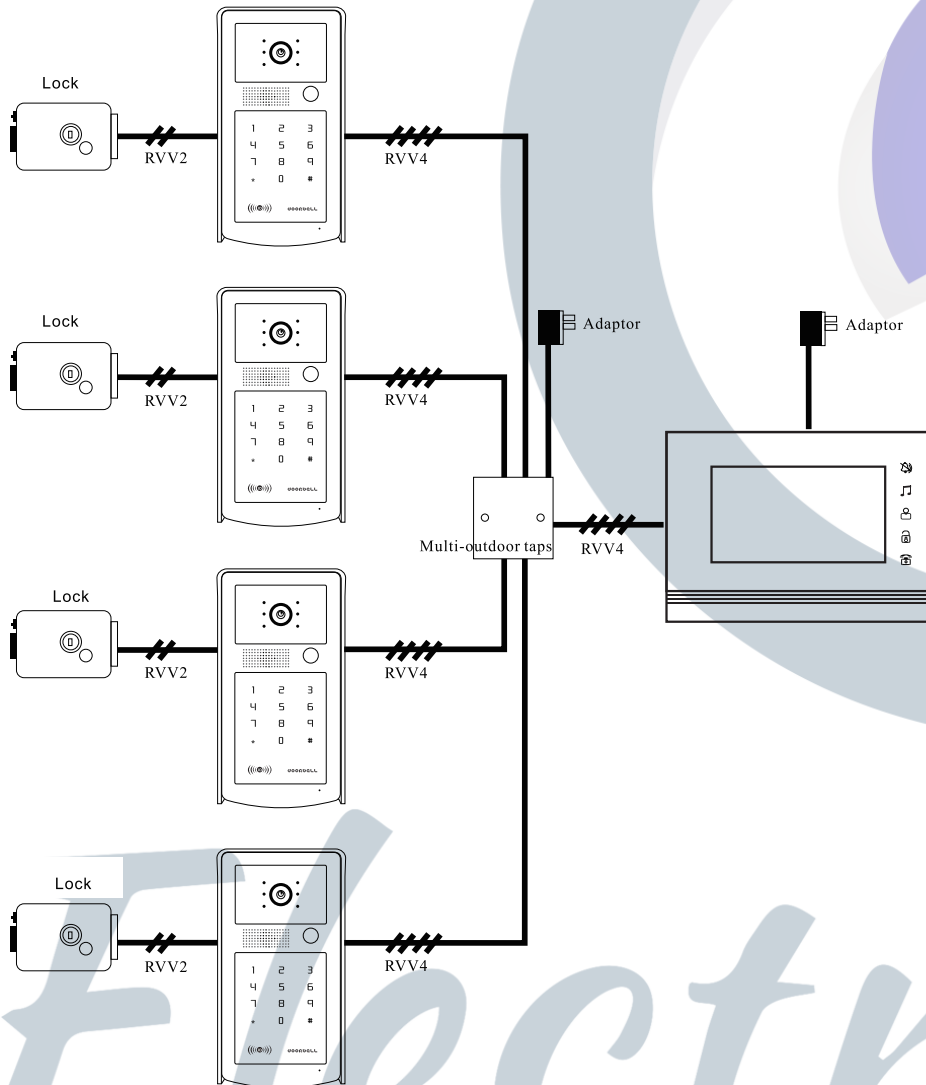
### c. Maintenance

1. Use a soft, dry cloth to wipe and dry the machine.
2. Switch off power to the indoor unit before cleaning.
3. Difficult to remove dirt can be cleaned using a neutral detergent with a soft towel before drying with a soft dry cloth.
4. Do not use benzene, thinner or other organic solvents such as gasoline to clean. These solvents may damage the machine casing or the surface and may discolor the buttons.

## 8.Multi-indoor&outdoor systems

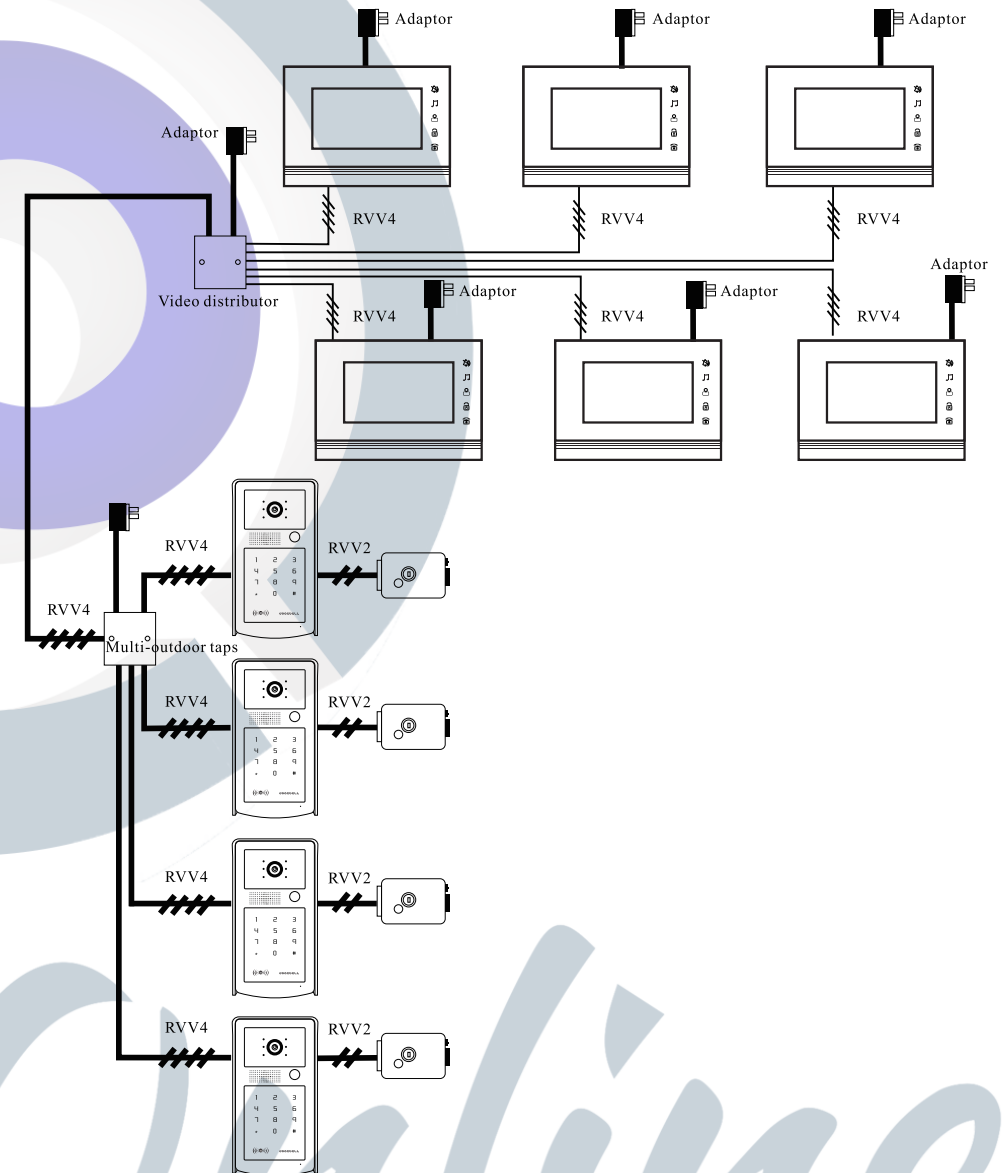
The system supports up to six indoor unit, the indoor unit work each other, will not mutual interference. No matter which indoor unit can not work ,others won't be affected.

- 1.Only monitor the main outdoor unit;
- 2.Monitor the outdoor unit(which call on the last)
- 3.Cycle monitor,when press the monitor button,then can open the four outdoor unit one by one.This mode will convenient for host to choose open which door.



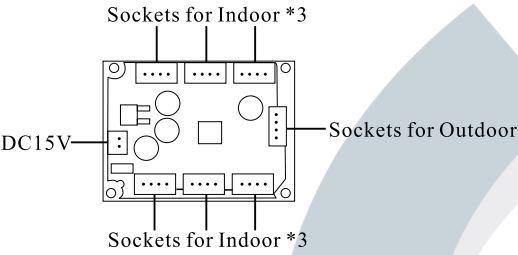
**Attention:**The Outdoor Unit also can change to Camera

The system supports up to six indoor unit,indoor unit will not interfere with each other, any indoor unit failure will not affect other work.

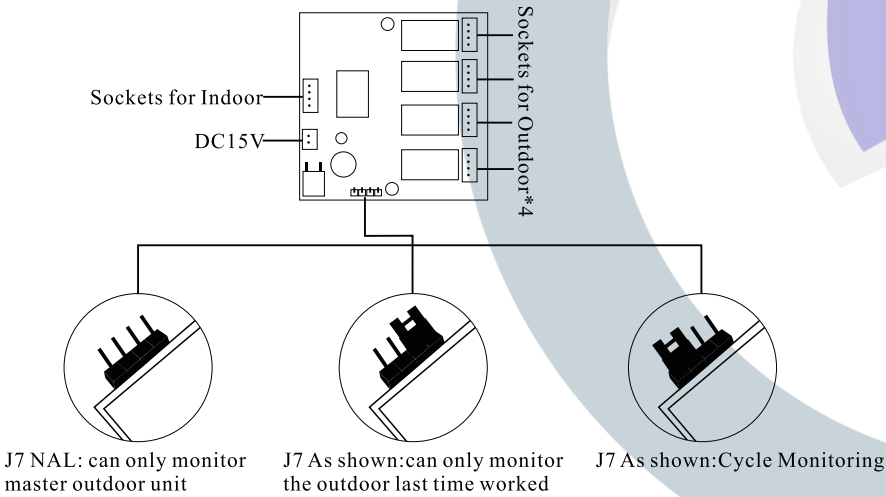




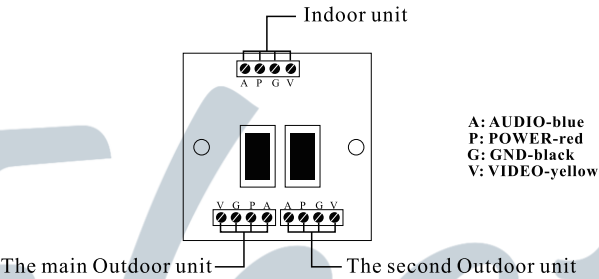
a.Video distributor



b.Working mode for Multi-outdoor taps



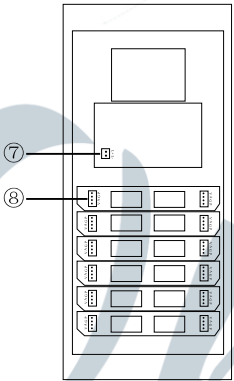
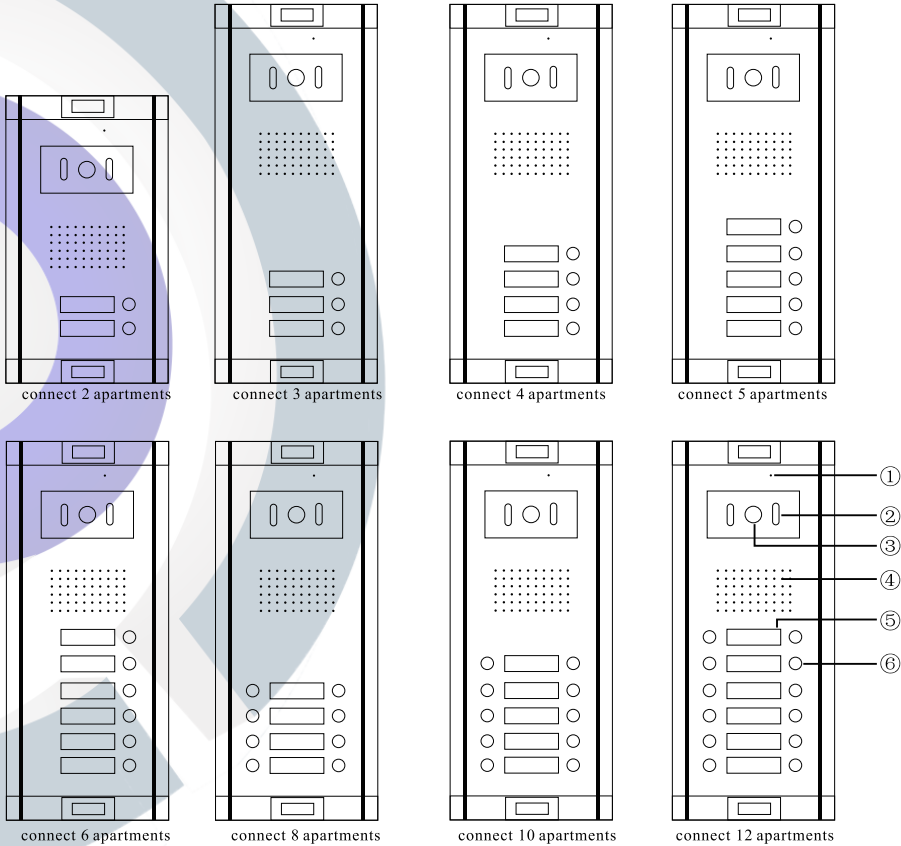
c.Two-way selector



**Attention:Working mode for two-way selector,don't need power adapter;  
Working on the two-way selector system,the indoor unit only can  
“monitor” the main outdoor unit.**

9.Video doorphone for Multi-apartment

a.The structure of the video doorphone



P: POWER-red  
G: GND-black  
A: AUDIO-blue  
V: VIDEO-yellow

- ①MIC
- ②Infrared tube
- ③Camera
- ④Speaker
- ⑤Room number zone
- ⑥Call button
- ⑦The port of electronic lock
- ⑧Indoor phone interface

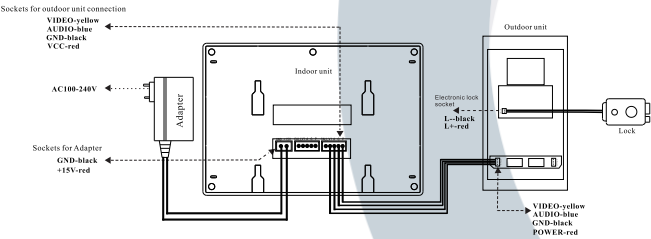


**b. Technical parameters**

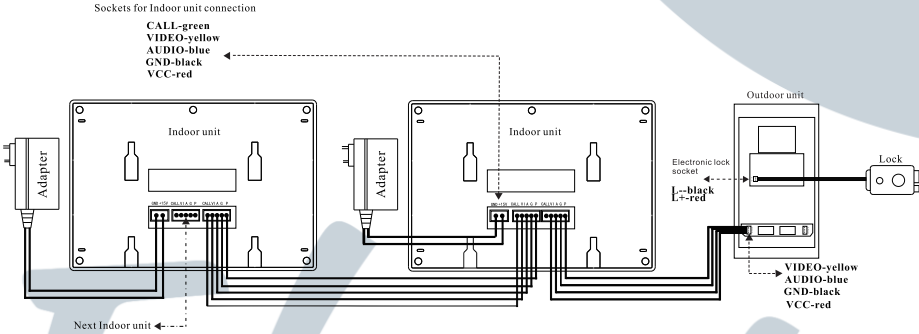
Size	276*122*45mm/218*122*45mm
Hole size	246*122*32mm/187*122*32mm

**c. Wiring diagram**

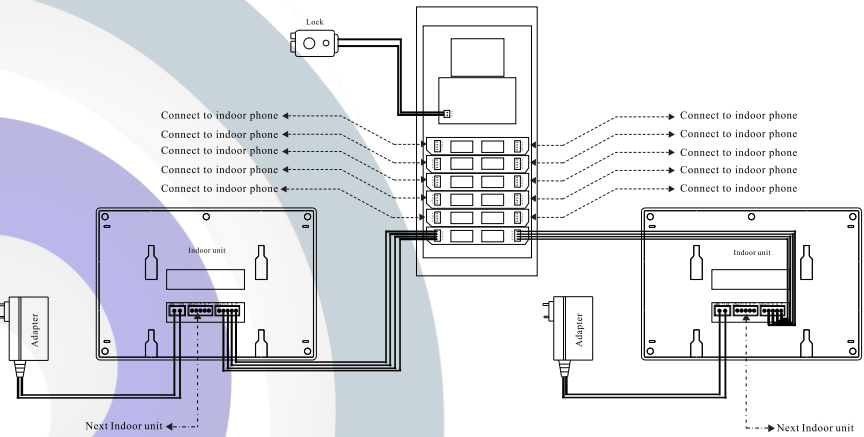
1. Video door phone for multi-apartment model with one button connects one indoor unit



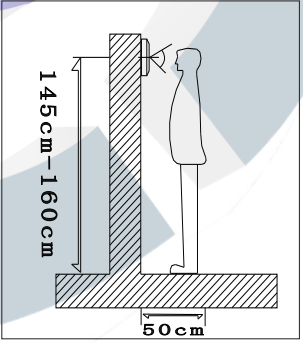
2. Video door phone for multi-apartment model with multiple buttons connects several indoor unit



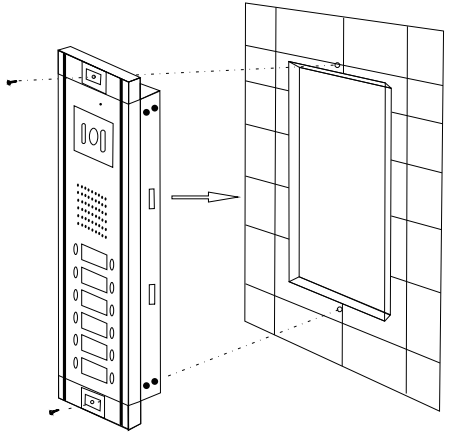
3. Video door phone for multi-apartment model with multiple buttons connects several indoor unit



**d. Installation instruction**



The standard height for the door station installation



Embedded installation