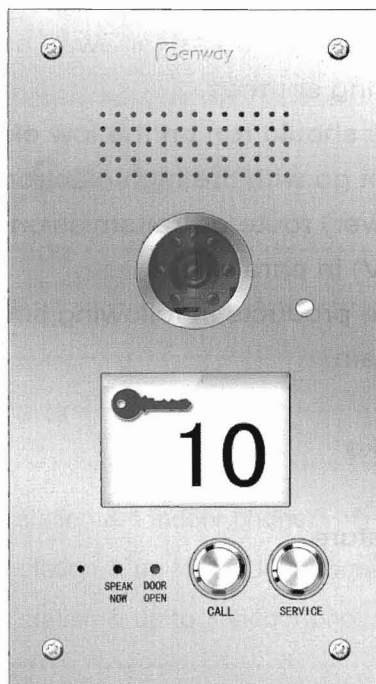




C-5 SYSTEM

G9 Villa Door Station Series

USER MANUAL

Please read this user manual carefully before using the products. Please keep it for future reference.

(VER:V1.10)



INSTALLATION TIPS

- The signal wires should be as far away as possible from the interfering sources.
- The signal wires should run on the low electronic route and cannot go with the high electronic (e.g. 220V house power) route or transmission signal route (e.g. CATV) in parallel.
- Do not install the products in following situations.
 - Humidity or rain
 - Sun shine
 - Shake or strike
 - Dust
 - High temperature
 - Noise



This symbol warns people there is dangerous voltage close to the products. Be careful of shock.



This symbol warns people the note is very important. They have to follow strictly in order for the system performs perfectly.

Preface

Thank you very much for using Genway products that were developed with the latest technology. To meet the demands of users, Customer Satisfaction is our goal.

Please read this manual carefully before using the products in order for the products can perform perfectly. In an effort to serve you better, we welcome any comments or suggestions you have.

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1.Product Introduction

This door station is a part of C-5 one cable system. It is for villa/single family house use. Simple one CAT.5 common wiring, making communication clear and trouble free.

One door station can be connected up to 4 indoor phones for a villa. Expandable to 2 door stations up to 3 indoor phones. And also available to connect with guard unit and perimeter gate station. When there are many villas, they can be wired together in network.

2.Product Features

- Vandal resistant panel, stainless steel construction, waterproof, flush mounting.
- Compatible with all audio and video indoor phones in C-5 system.
- Doors can be released by various methods such as indoor phone, ID card, SERVICE button, and EXIT button.
- Use 1/3" CMOS color camera which is adjustable. The IR illumination offers clear image even in the dark.
- A sound system is programmed for friendly intercommunication.
- The enclosed remote control provides easy programme.

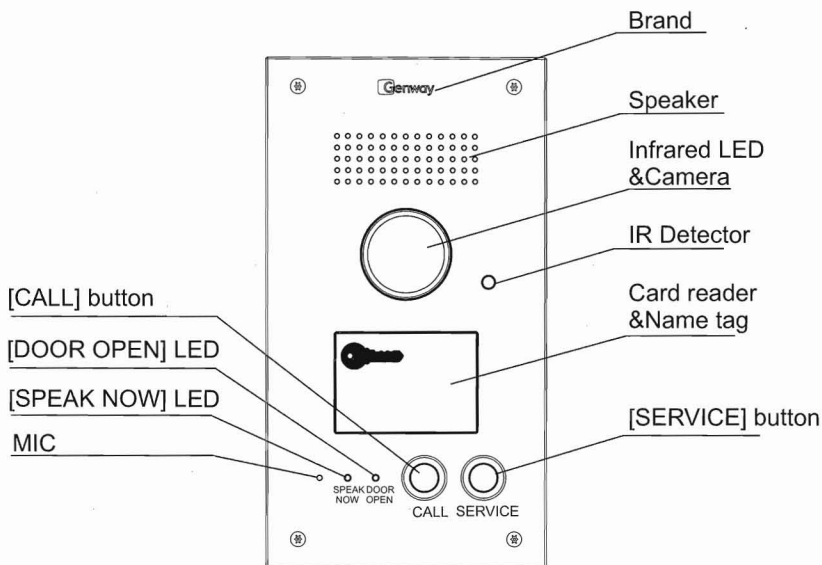
3.Specifications

Model	Operating voltage	Quiescent current (DC 35V)	Operating current (DC 35V)	Temperature	Camera
5403	DC 35V	$\leq 50\text{mA}$	$\leq 110\text{mA}$	$-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$	
5403D	DC 35V	$\leq 50\text{mA}$	$\leq 130\text{mA}$	$-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$	
5809 5809-C	DC 35V	$\leq 50\text{mA}$	$\leq 160\text{mA}$	$-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$	CCD&CMOS PAL
5809D 5809D-C	DC 35V	$\leq 50\text{mA}$	$\leq 180\text{mA}$	$-40^{\circ}\text{C}\sim+70^{\circ}\text{C}$	View angle: 90° Adjustable angle: $\pm 10^{\circ}$

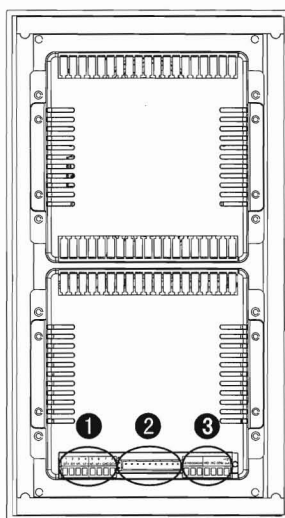


4.Appearance & Ports

■ Face



■ Back



1 Port to indoor phone/distributor

1	2	3	4	5	6	7	8
DT1	DT	VF-	VF+	AF-	AF+	GND	DC+

2 JP1 connector & software update port

JP1

--	--	--	--	--	--	--	--	--	--

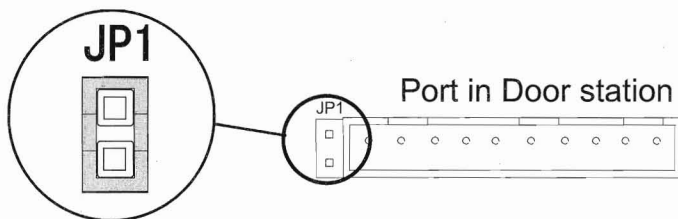
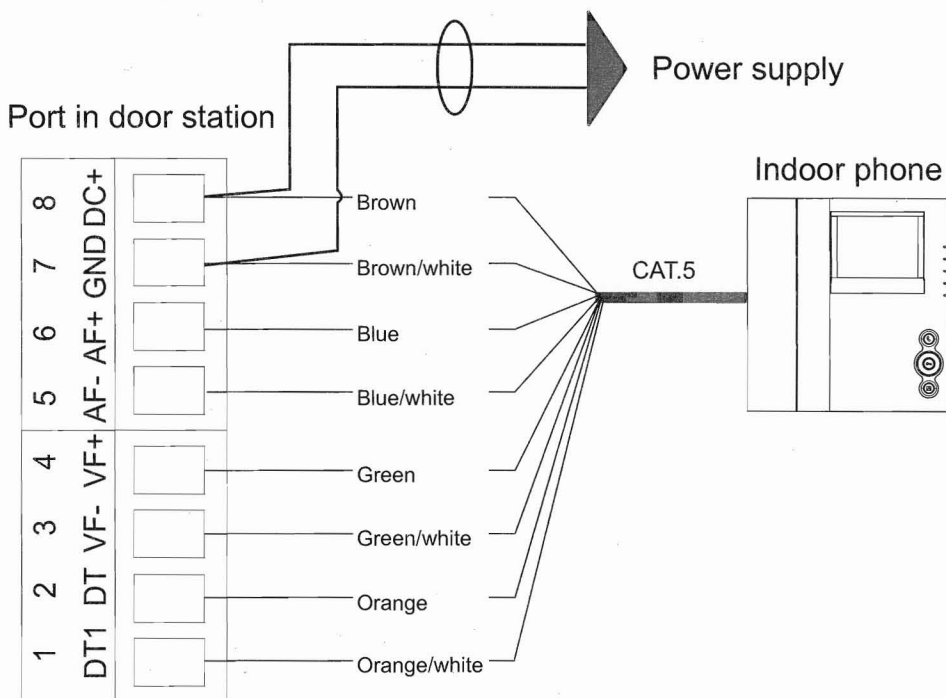
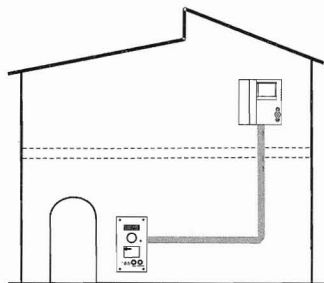
3 Port to electronic lock (options) [INDOOR]&[GND]: to EXIT button

GS	INDOOR	GND	NO	NC	COM	out	+12V

5. Diagrams

5.1 Diagram for 1 door station & 1 indoor phone

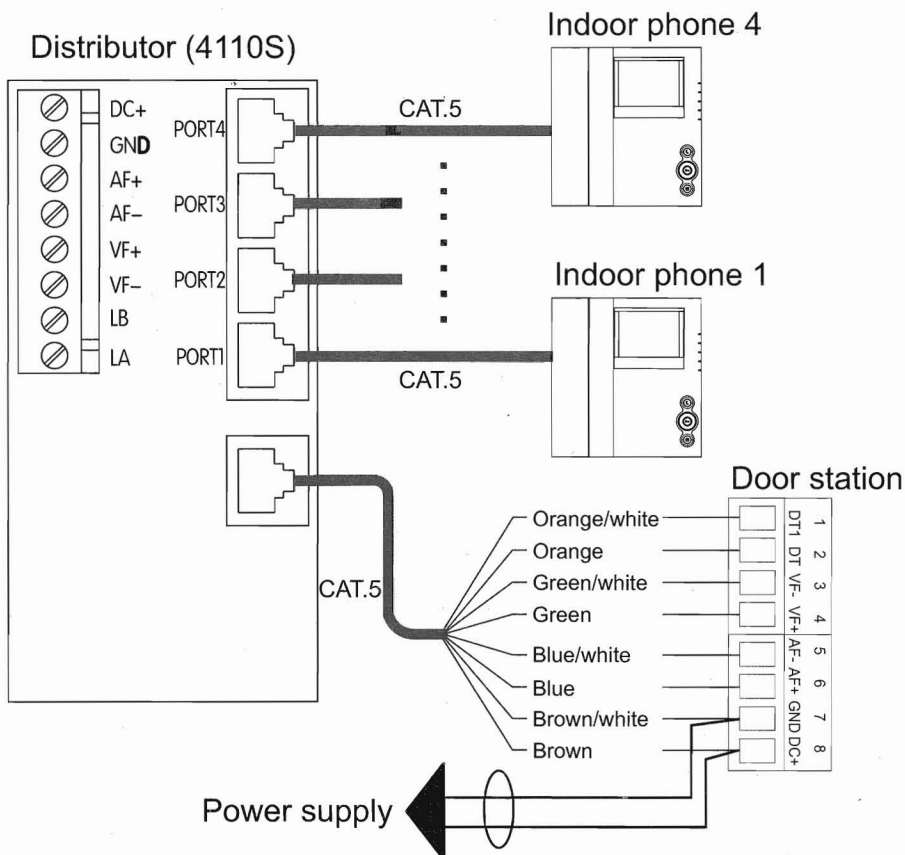
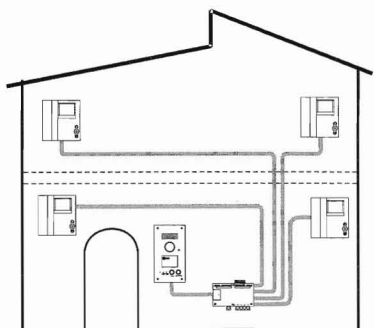
1. When there are only one door station and one indoor phone, the connector of JP1 has to create a short circuit across the two pins.
2. Max. Distance: <100m [In case longer, please use an extra power supply on the indoor phone.]



5. Diagrams

5.2 Diagram for 1 door station & up to 4 indoor phones

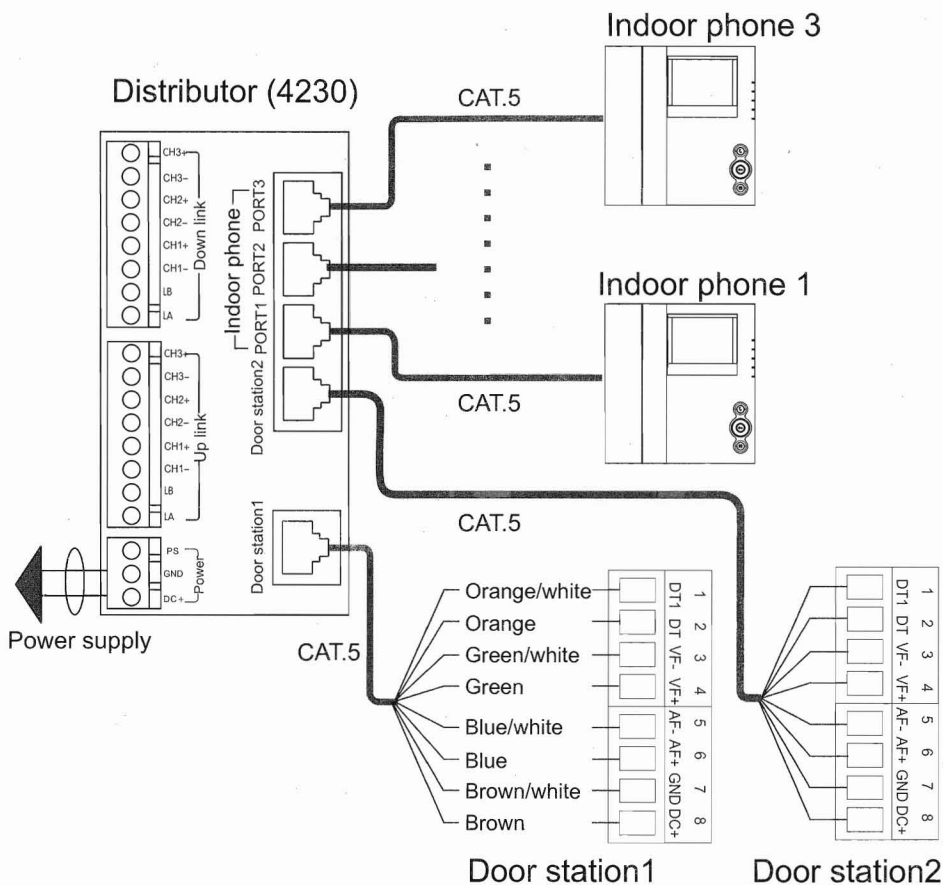
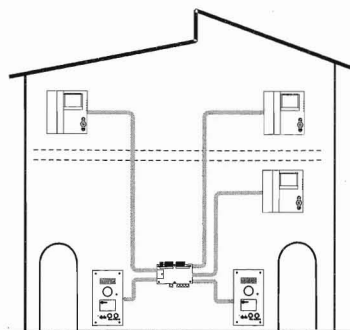
1. PORT1~PORT4 in the distributor are for 4 indoor phones (audio or video).
2. Terminals in the distributor are useless here.
3. Max. Distance: <100m [In case longer, please use an extra power supply on each indoor phone.]



5. Diagrams

5.3 Diagram for 2 door station & up to 3 indoor phones

1. Connect 3 indoor phones and 2 door stations as the diagram below.
2. Up, Down and PS terminals are useless here.
3. Max. Distance: <100m [In case longer, please use an extra power supply on each indoor phone.]

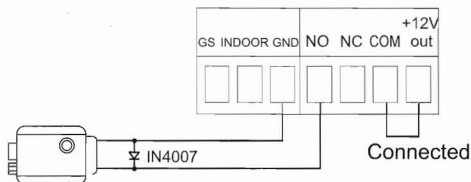


5. Diagrams

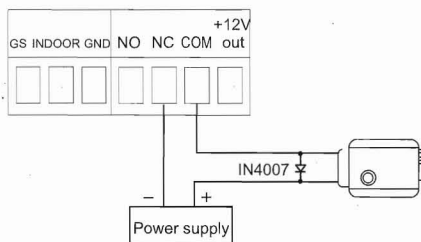
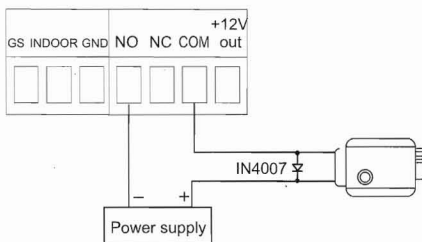
5.4 Diagram for e-locks

There are 2 wiring options for e-locks accordingly.

1. Release by POWER



2. Release by SIGNAL

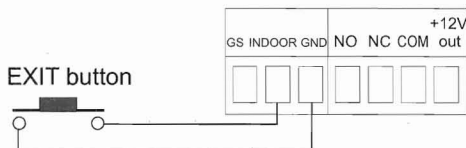


【Note】 A power supply is required for the e-lock in NO or NC style.



If use an e-lock that is without motor, a reverse diode (the producer recommends IN4007) is required. It is usually enclosed when delivering.

3.EXIT button

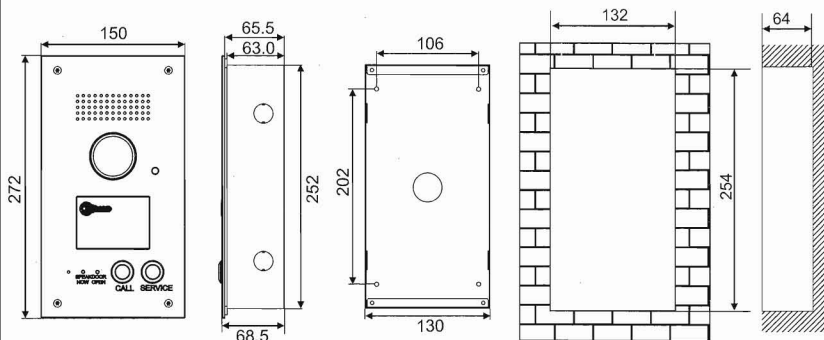


【Note】 No polarity required.

6.Installation

■ Door station

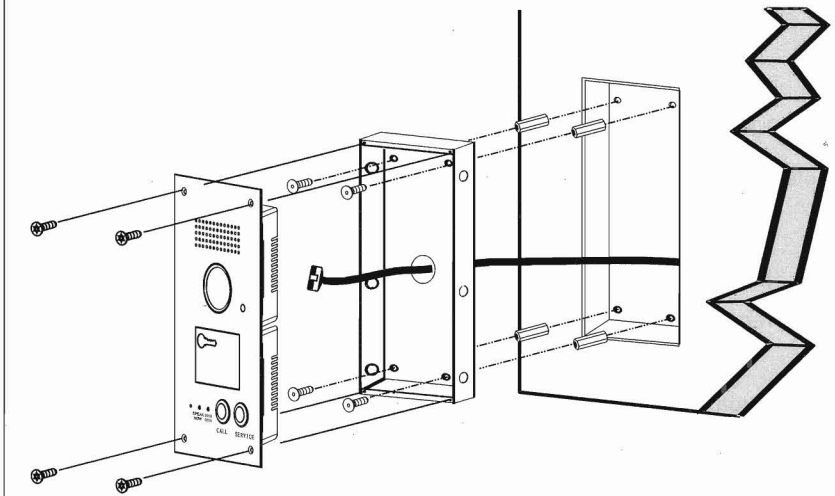
Dimensions



Product size: $272 \times 150 \times 68.5$ mm

Installation size: $254 \times 132 \times 64$ mm

Mounting

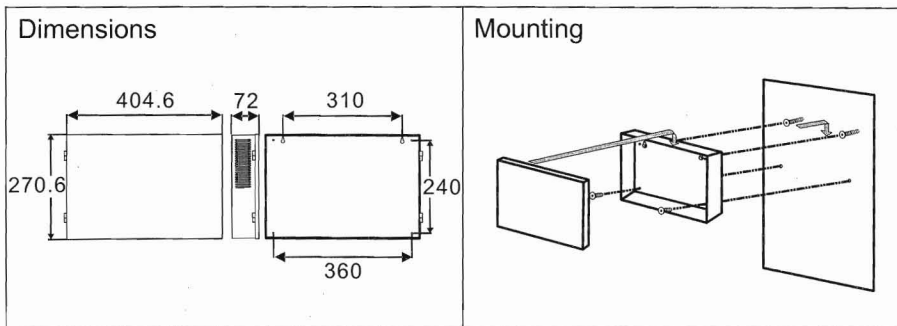


※Notes:

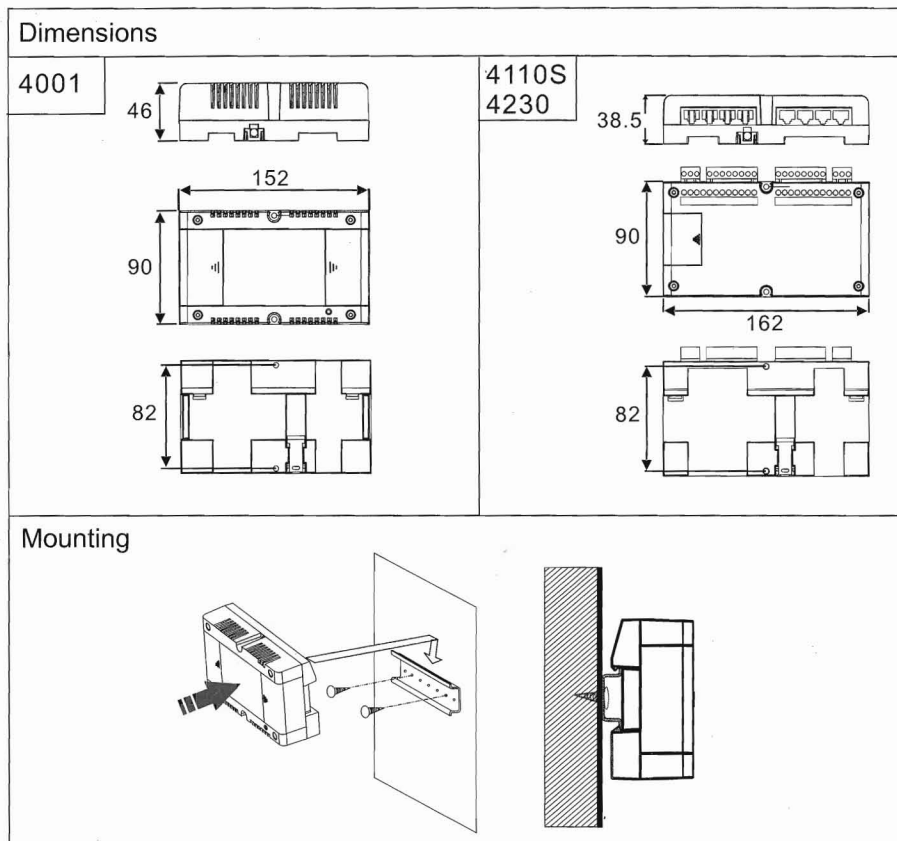
1. Mind the installation size while producing a groove for the back cover.
2. Control the depth of the groove carefully so that it is as same as the one of the back cover.
3. We suggest the height between 1100mm and 1400mm. But please also consider other situations such as view angle of the camera and disabled persons.

6. Installation

■ Power supply(4055)

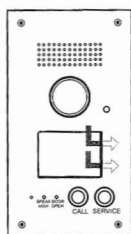


■ Power supply(4001)&Distributor(4110S/4230)

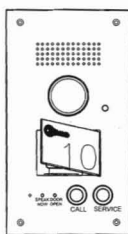


6. Installation

■ Changing name tag



1. Push the right edge
and move to right.

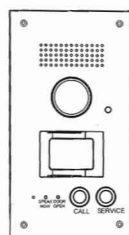


2. Take off the
plastic.



Plastic

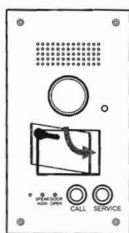
Name tag



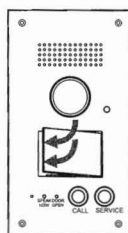
3. Take out the name tag.



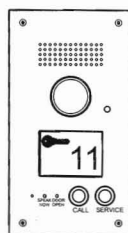
4. Put the name tag
in the plastic.



5. Insert the right
edge into sliding.

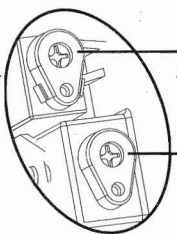
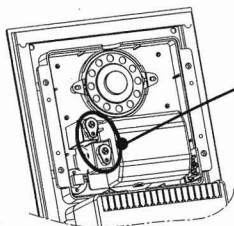
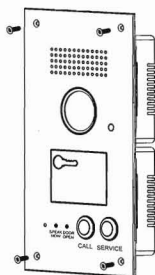


6. Push the left edge
and move to left.



7. Finish.

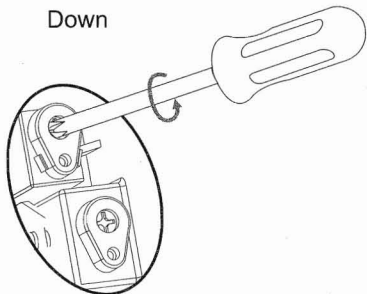
7.Camera adjustment



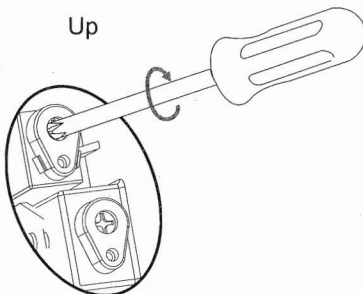
A:for up and down

B:for left and right

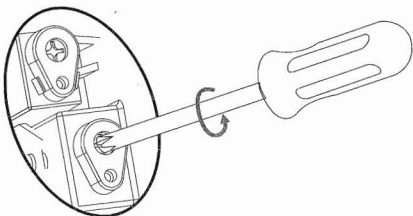
Down



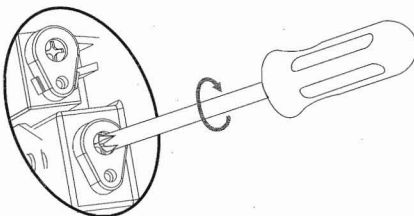
Up



Left



Right



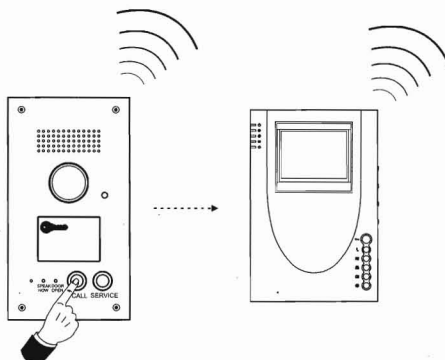
8.Operation

Please connect all necessary units according to the diagrams. When the door station sounds "ON", it means the system is ready and you can use or program it.

■ Call

- 1.Press CALL button on the door station, the indoor phone chime tone sounds and the screen turns on and displays the visitor image.
- 2.If there is no answer, the door station will say "Sorry. There is no answer" and the system will automatically reset to standby after 30s . If the line is busy, the door station will speak "Sorry. It's busy now."

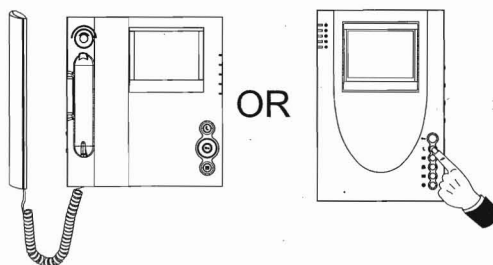
[Note:if want to cancel the call,press CALL button again.]



■ Answer

- 1.Press  button on the indoor phone (hands-free) or pick up the handset to answer when it rings. [SPEAK NOW] LED will flash at the same time.
- 2.Press  button on the indoor phone to release the door.
- 3.Press  button on the indoor phone (hands-free) or hang up the handset to end the talk.

[Note: The talk is allowed in 120s.]



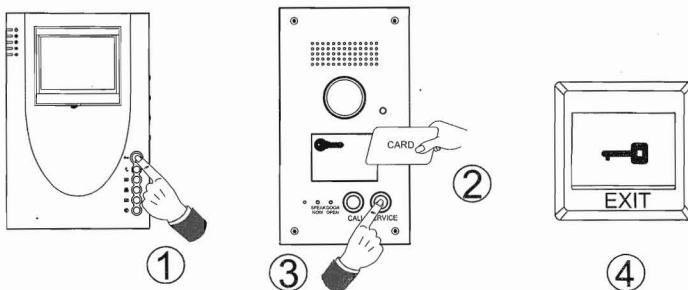
8.Operation

■ Door release

There are four methods to release the door.

- 1.**Indoor phone:** Press  button on the indoor phone to release the door.
- 2.**ID Card:** Put the registered card on the card reader (if there is) to release the door..
- 3.**SERVICE button:** In the authorized time, press SERVICE button on the door station to release the door. **[This button is special for postmen or other service people. The function has to be programmed by the remote control. The remote control manual has details.]**
- 4.**EXIT button:** Press the EXIT button (if there is) to release the door.

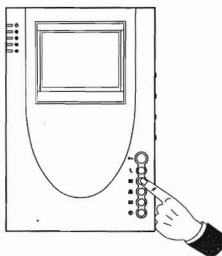
[Note:when the electronic lock is released, the door station will say "the door opened" and the [DOOR OPEN] LED will flash at the same time.]



■ Scan monitor

- 1.Press  button on the (video) indoor phone while the system stands by, the screen will display the image in front of the door station.
- 2.Press  button again to end monitoring. But when there is another door station, if you press the button at the 3rd time, it will display the image in front of that door station.

[Note:the image automatically turns off in approx. 15s. During displaying, if somebody presses the CALL button on the door station, the monitoring will end automatically.]

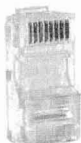


Appendix 1

Prepare for CAT.5 cables with Rj45 connector

T568B standard is the most popular in network projects.

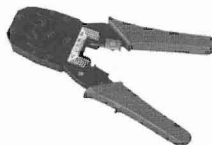
Materials and tools:



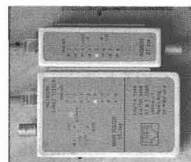
RJ45 connector (8P)



CAT.5 or CAT.5E



8P wire Crimpers



Tester



The C-5 system always uses CAT.5 or water-proof CAT.5E cables as the following pictures. Both kinds of cables are required to be complied with the International Standard 《TIA/EIA-568-B.2-2001 Commercial Building Telecommunications Cabling Standard Part 2: Balanced Twisted-Pair Cabling Components》.

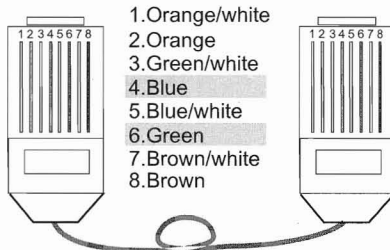
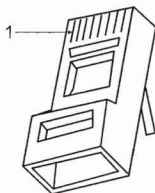
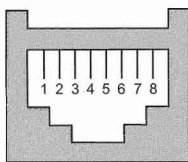


CAT.5



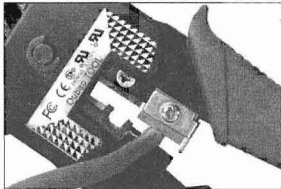
Water-proof CAT.5E

Sequence of wires in T568B standard:



Process charts

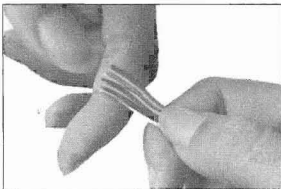
Step1: Cut a wire which need to use



Step2: Cut the coat and take it off



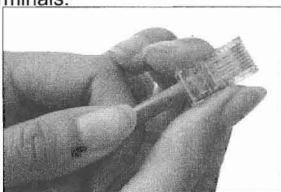
Step 3: Collocate and range the wires according to the sequence mentioned above.



Step 4: Cut the wires to be orderly. Please mind the wires length to be about 15mm.



Step 5: Take a connector and keep the hook adown and facing to your body. Insert the wires into the connector until all wires touch the terminals.

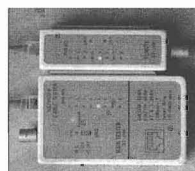
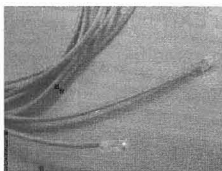


Step 6: Insert the connector into the tool and press the tool to fix the wires in the connector.



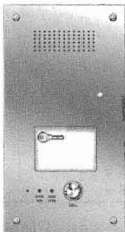
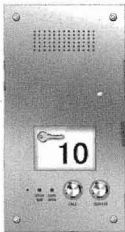
Step 7: repeat Step 1 - Step 6 for another end of the cable.

Step 8: use the tester to test if the wires at two ends are conjoint well and corresponding each other at right sequence..



Appendix 2

Product list

MODEL	FEATURE
 5403	Audio Speech system, proximity Port for EXIT button Striking name tag Easy program with remote control
 5403D	Audio Speech system, proximity ID card reader, SERVICE button Port for EXIT button Striking name tag Easy program with remote control
 5809/5809-C	Video Speech system, proximity Port for EXIT button Striking name tag Easy program with remote control
 5809D/5809D-C	Video Speech system, proximity ID card reader, SERVICE button Port for EXIT button Striking name tag Easy program with remote control