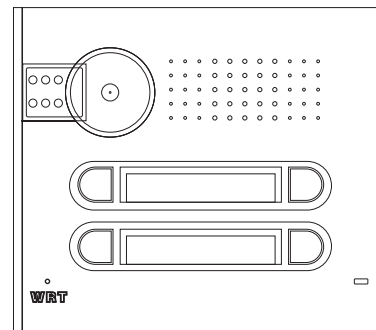


WRT®



EZH-121C-3/EZH-121C-4

WRT-121 Series Video Intercom System

Shenzhen WRT Intelligent Electrical Stock Co., Ltd.

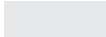
Add: WRT Industrial Base, Dafu Industrial Park, Guanguang Rd,
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Version: H3

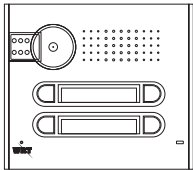


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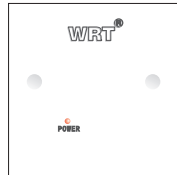
1.0 Introduction

- * Suit for single house or small apartment building system
- * Nameplates changeable design with night view
- * Color Pinhole CCD camera with drawbench of aluminium shell
- * Max. Capacity: 3pcs for EZH-121C-3,4pcs for EZH-121C-4

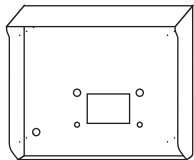
2.0 System Items



EZH-121C-3 or EZH-121C-4
Color Video Door Station



APT-121



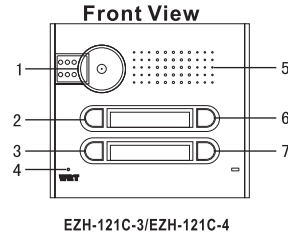
EHX-WPC

3.0 Introduction of EZH-121C-3 & EZH-121C-4

3.1 What's included

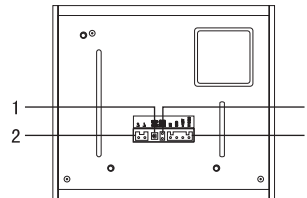
Video Door Station	1pc
180mm Two-wire connector(Φ2.54mm)	1pc
180mm Four-wire connector(Φ2.54mm)	1pc
PA4×25 Screws(Flush-mount)	2pcs
Jumper	1pc
Positioning Card	1pc
User Manual	1pc

3.2 Equipment Description



- 1.Pinhole Camera
- 2.Call Button for No.3 tenant
- 3.Call Button for No.2 tenant
- 4.Microphone
- 5.Speaker
- 6.Call Button for No.4 Tenant
- 7.Call Button for No.1 Tenant

Back View

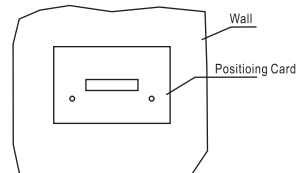


- 1.Volume adjustment
- 2.Door Release Output Terminal
- 3.State Selection Socket
- 4.Video Output and Audio Transmission socket

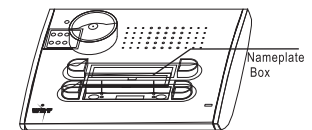
3.3 Installation

3.31 Find a suitable position and drill 2 screw holes and a rectangular hole according to the positioning card,and then drive the cement plugging into the 2 screw holes.(Picture 1)

3.32 Take out the nameplate box,and insert the custom-built nameplates.(Picture2)



Picture 1



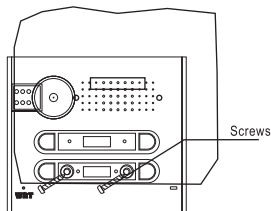
Picture 2

3.33 After connecting the transmission wires, secure the door station onto the wall with 2 screws. (Picture 3)

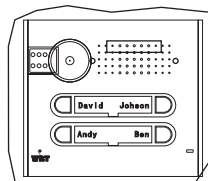
3.34 Put on nameplate box. (Picture 4)

Note1: Please properly put on the nameplate, namecard should match with the right button for avoiding being misunderstood by visitors (Picture 5), or you can definitely mark the corresponding button by your own ways.

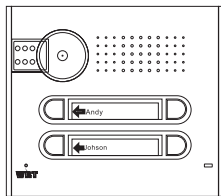
Note2: Please avoid installation that possibly cause misunderstanding (Picture 6)



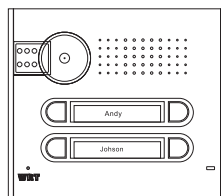
Picture 3



Picture 4



Picture 5

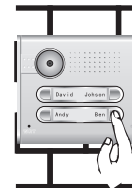


Picture 6

3.4 Operation Instruction

3.41 EZH-121C-3 as 3 houses Version, EZH-121C-4 as 4-houses Version, the Max. Capacity for this two model can be 4 door stations each link with 4 Door Phones. It Means use in front Door and back Door, each house can be Max connection 4 Door Phones.

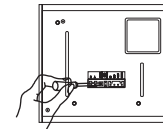
3.42 Press the Call button when Door Station is Standby, if the line is free, then all the inside door phones of the tenant will ring as well as Monitor display. If hear ring back tone, you can wait for the answer, if hear busy tone, you should try again later.



3.43 The system will shut off automatically after 30 second if nobody answer the call.

3.44 The Max. conversation time is about 2 minutes, During the conversation tenant can press UNLOCK button to release the electric lock. Or stop the conversation by press CALL button.

3.45 Turn the Volume adjustment with screwdriver on the back side of the Door Station. Clockwise to louder the voice level and anticlock-wise to lower the voice level.



3.46 A series of socket for power input on the back of the door station, the tenant can choose to supply door station power with this socket while you can supply door station power by door phone.

3.47 When visitor presses button after 2seconds, pressing again can cancel, or the visitor can directly press another button to call another residential.

3.48 When there are 2 or above residential in 1 system, we advise you to install AVI-121.

3.5 Terminal Description

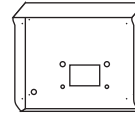
Terminal	Description
VIDEO	Door Station Video Output Terminal
+12V	+DC 12V Voltage Input
GND	Ground Wire
AU	Audio and Data Transmission
L- L+	Normal open but close circuit at the moment of unlock
+5V	Door Station Output+5VDC To Extended Module
+12V	+12VDC Input(Optional)
SDA	Data Transmission Wire
SCL	Clock Transmission Wire
+12V	Door Station Output+12VDC To Extended Module
GND	Ground Wire
LED	LED Control Wire

3.6 Specification

Model Number	EZH-121C-3&EZH-121C-4
Input Voltage	+12VDC (supplied by Door Phone)
Standby Current	≤30mA
Working Current	≤176mA
Working Environment	-30℃ ~+50℃
Humidity	45%~95%
Image Device	1/3" SONY SHAD CCD
Video System	PAL / NTSC
S/N Ratio	>48dB
Ring back tone Intensity	<60dB
Min Illumination	0.5Lux at F1.2
Wiring Distance	200m
Wire core	4 wires
System Wire (≤50m)	RVV4 × 0.5mm ²
System Wire (≤100m)	RVV4 × 1.0mm ²
System Wire (≤200m)	RVV3 × 1.5mm ² for Signal 75-3 Video Cable
Dimension	132(W) × 115(H) × 30(D)mm

4.0 Introduction of EXH-WPC (weatherproof Cover)

4.1 Equipment Description

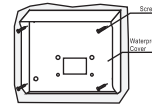


This accessories protect door station.

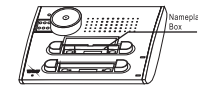
4.2 Installation

4.21 If you also buy a waterproof cover with you, make 8 screws holes on the wall, 1 rectangular wiring hole according to the position of the waterproof cover, drive cement plug into the screw holes, secure the waterproof cover with screws. (Picture 9)

4.22 Take out the nameplate box from the door station, insert customized-built nameplates. (Picture 10)



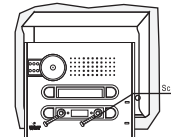
Picture 9



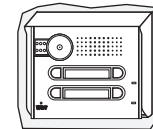
Picture 10

4.23 Secure the door station with 2 screws after connection all transmission wires. (Picture 11)

4.24 Put on the nameplate box. (Picture 12)



Picture 11



Picture 12

4.25 After set up the cover on the wall please do remember stuff cement all around it for better waterproof.

4.26 The same installation for EZH-121C-3 & EZH-121C-4. install the cover for each Module by individual

5.0 Introduction of APT-121 (Video Converter)

5.1 Summary

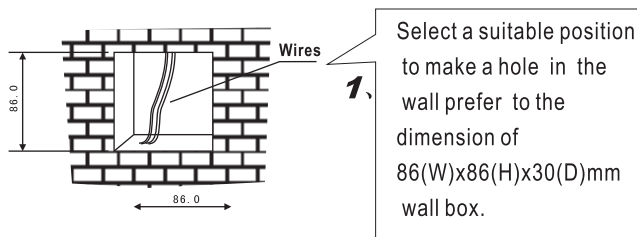
When two video Door Stations connected, one APT-121 Video Converter is needed to transmit video signal from Video Door Station to Door Phone. It has two Video Input and one Video Output. If just one Door Station connection without the APT-121.

5.2 Equipment Description



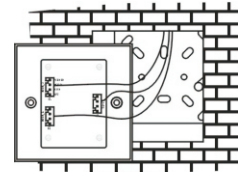
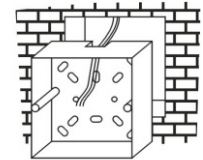
1. Power indicator 2. Video Input to No. 2 Door Station 3. Video Input to No. 1 Door Station 4. Video signal output to Video Door Phone

5.3 Installation



Make a hole in the wall box and Insert the wires into the wall box through the inlet.

2.

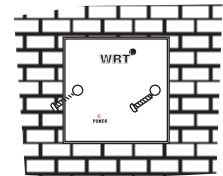


3.

Connect all wires in corresponding terminals.

Secure the Video Converter onto the wall with two 3.5x25PA screws.

4.



5.4 Specification

Catalogue No.	APT-121
Power Input	+DC 15V
Working Current	≤15Ma
Input Impedance	75
Peak Voltage	1VP-P
Frequency Range	3Hz~62MHz
Video Transmission	Two input and one output
Working Temperature	-30℃ ~+55℃
Humidity	45%~
Dimensions:	86(W)×86(H)×40(D)mm

6.0 Caution

6.1. Do not install the stations in any of the following locations, as it can cause fire, electric shock or unit damage:

- * High or extreme cold temperature area, under direct sunlight, conditioner, inside a refrigerated area, etc.
- * Places subject to moisture or humidity extremes (bathroom, cellar, greenhouse, etc.)
- * Places subject to environmental conditions, such as oil, dust, chemicals, salt, etc.
- * Places subject to constant vibration or impact.
- * Where noise-generating devices such as TV or radio are closed by.
- * Places subject to steam or smoke. (near heating equipment or cooking

surfaces)

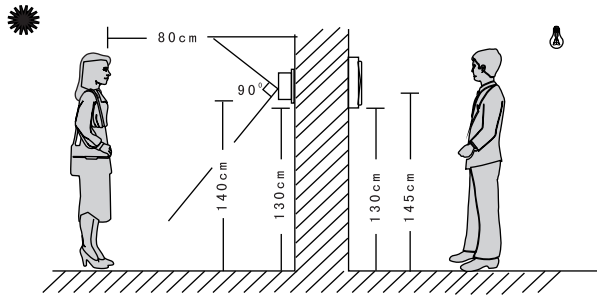
6.2. 145cm above the ground is suggested.

6.3. Be sure to cut off the power during installation.

6.4. Make sure wires are properly connected before plugging in power supply.

6.5. Any malfunction is found during power on, pls immediately cut off the power till malfunction is cleared out.

6.6. If the system is found of any malfunction, please cut off the power and inspect according to the troubleshooting. If causes can not be found, please contact the sales agent or the manufacturer's after-sales service department. Do not repair or replace the parts by yourself, otherwise the system may be damaged.

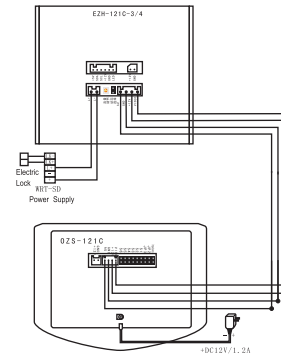


7.0 Troubleshooting

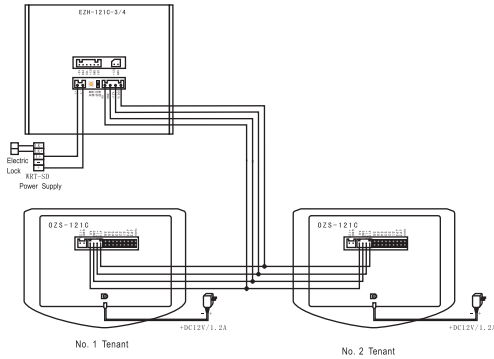
Trouble Description	Troubleshooting
The door phone can not work at all	Check the power supply wire and connect it properly Check the power supply, Change the anode and cathode of the power supply properly,
Door phone can not call or talk with the door station	Check the socket, plug it properly
	Check wires, Connect wires properly
	Check the door phone, use another good door phone to test
The door phone can not unlock the door	Check the electric lock, change electric lock, connect all wires properly

8.0 Wiring Diagram

One Door Station to One Door Phone Wiring Diagram

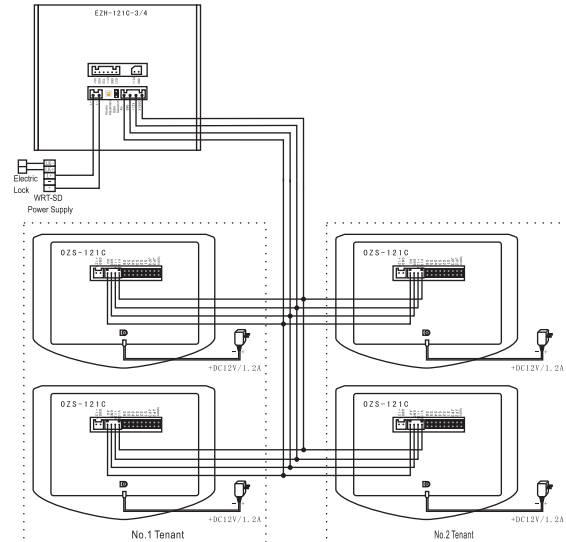


One Door Station to Two Door PhoneWiring Diagram



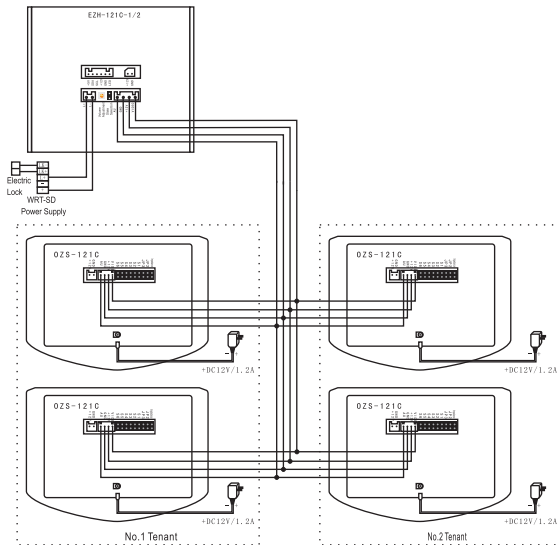
Note:All Door Phones connected with the Door Station must be power supply (12V/1.2A)individully,or,you can choose a big adaptor(12V/2.5A) for 2 Door Phones Together.

One Door Station to multi Door Phones Wiring Diagram



Note:All Door Phones connected with the Door Station must be power supply (12V/1.2A) individually,or,you can choose a big adaptor(12V/5A) for 4 Door Phones Together.

One Door Station to multi Door Phones Wiring Diagram



Note:All Door Phones connected with the Door Station must be power supply (12V/1.2A) individually,or,you can choose a big adaptor(12V/5A) for 4 Door Phones Together.