TPYE:A/A, I

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JZM-801CS6

Thank you for choosing WRT. Please read this manual before using. WRT reserves the right to change specifications or designs described in this manual without notice and obligation.

Content

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801 intercom systems is composed by building gate station, user door phone, PC and other equipments, which is based on TCP/IP. The system is with the technology of multichannel, every channel can work independently.

1. Luxury design, Maximum capacity of 400,000 cards and 500,000 door phones

2. Floor stand installation

3. 5.6 " Color Video

4. LCD follow-up operation menu

5. Digital Audio Encoding

6. Multichannel,Guard Center can call other spare door phones while Gate Station are talking with door phone.

7. Divert,No-Disturb,multi-monitors and multi-centers,choose center automatically

8. Can call & talk with Guard Center which can remote unlock.

9. Unlock by password or cards , disarm by cards

10. Snapshot function（optional）

11. Burglar alarm（optional）

12. Compelled unlock alarm function

13. Door contact alarm

14. Lift call function（optional）

15. CCD with night infrared compensation；

16. TCP／IP Agreement， network， remote system upgrade
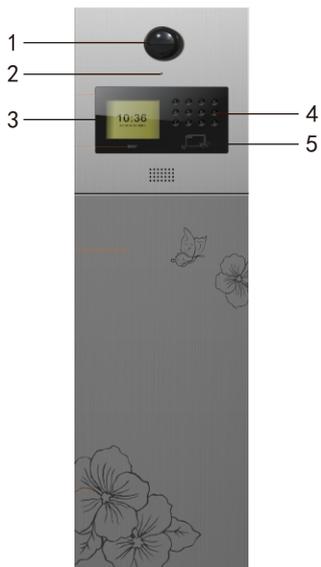
1. Camera(with Infrared LED Compensation)   2. Microphone   3. LCD Display

4. Digit keyboard   5. IC Card Induction Zone   6. Back cover of camera crews

7. Panel screw of Gate Station   8. Base screw

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1. Avoid direct sunlight, extreme temperature, frost, chemical erosion or dust.

2. Please confirm the height to install the station so that the visitor is within the vision of the camera.

3. Cut off the power when installing the system.

4. CAT 5 wires is suggested in the system.

5. Separate strong electricity from the weak. Keep away from the elevator and TV cables (over 50m). Use iron tube and do not use the same wire tube for strong and weak electricity. The ends of the iron tube should be buried in 3m deep down the ground so as to keep from the signal interference and lightning.

6. The wire ends should not be installed in the tube or place where is humid.

7. Turn on the power supply after installing the whole system well.

8. Keep IC card be water-resistant, antimagnetic, antifluting.

9. Keep the IC induction zone clean,in order to enhance reliability to identify information.

10. For the first usage, access control data in the Door Station should be cleared to initialize the memorizer.

11. If the system is found of any malfunction, please cut off the power and inspect according to the Trouble Shooting . If it is unable to find the causes , 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.

Installation

1. Take out the panel screw and base screw, separate panel and front cover of base.(Figure 1)

2.Insert transmission wire through inside of stand .(Figure 2)

3.Use M10 expansion screws to fix the stand on the ground.

4. If Gate Station is connecting with door contact sensor,set the pin on socket JP2 according alarm type.(Refer to"Magnetic alarm")

5.Connect the transmission wires of Gate Station, fix the panel and front cover of base again.

6.Open the back cover of camera,loose the screws inside to adjust the camera to right angle.

Panel screw

Transmission wires

Base screw
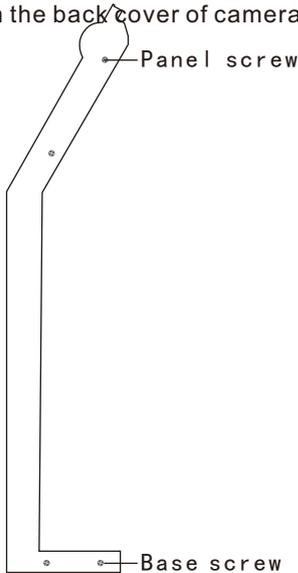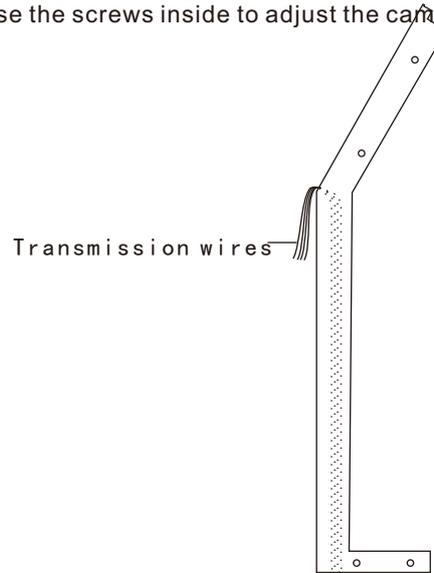
Figure 1

Figure 2

Please note:

1. All the parameters should be configured by appointed or authorized person in case of any data leakage. Admin password must be kept by specially-assigned person for usage or updating purpose.

2. Access control settings of gate station and wall station in the network system should be operated in center guard unit.

3. Back up a copied data file in case of any damage of computer system.

4. Every twice press the button not more than 20s, or it will exit operating state. When standby, the screen will show:

The Gate Station works after all parameters are correct. Press"*"first,then press "#" ,and release the two keys at the same time,The screen will show:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
请输入密码：Please input password

5

Operation

Input 1-8 digits managing PIN setting last time(If it is first time to input,it should be input the original PIN"88888888") and press "*".If press correct, it will be setup state:

Operation
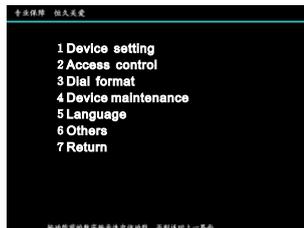
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or return to previous.

Press number keys before the items to enter the related interface of parameter configuration.

Device setting
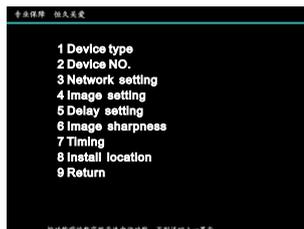
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function,or return to previous.

Device type

Press "1" on device setting menu, the screen shows:

围墙机：Entrance Station
门口主机：Main Gate Station
副门口机：Sub Gate Station
返回：Return
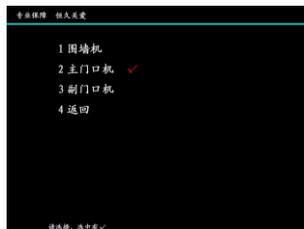
请选择，选中有"√"：
Please select, "√" means selected

Press the device you want("√" means selected),press"#" to confirm,the screen will prompt modify successfully.Press"*" to return to previous menu.
Device NO.:
　Press"2" on device setting menu, the screen shows:
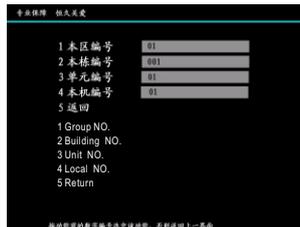
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or return to previous.

Press"1" to select "Group NO. "(Highlight means selected),input the data according to actual distribution, press"#" to confirm.The interface will be Building NO. input screen after modified successfully.Input Building NO. and press"#" to confirm.Input Unit NO. and Local NO. as above.
When non-input status, press "5" or "*" to return to previous menu or exit automatically after 20s
Note:Gate Station NO. is composed of 2 digits group NO.+3 digits building NO.+2 digits unit NO.+2
　　digits local NO. , When input should be based on this principle,if digits are not enough ,it
　　could add "0" in front.
　　Press"*" can delete former character or exit input status.
　　Please restart the device after set.

Operation

Network setting

Press "3" on device setting menu, the screen shows:

1 Local IP
2 Subnet mask
3 Gateway
4 Center IP
5 Back up center
6 Master Station
7 Sub Master Station
8 Return
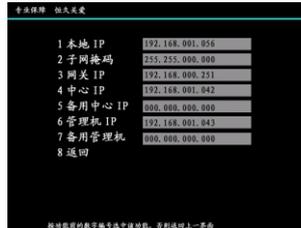
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or return to previous.

Press"1" to select "Local IP"（Highlight means selected),input the data according to actual distribution, press"#" to confirm.The interface will be Subnet mask input screen after modified successfully. Input Subnet mask and press"#" to confirm.Input all IP address as above.

When non-input status, press "8" or "*" to return to previous menu or exit automatically after 20s

Note: If no back up center IP,back up Master Station and so on,no need to input the IP address.

Press"*" can delete former character or exit input status.

Please restart the device after set.

Image setting

Press "4" on device setting menu, the screen shows:

1.Screen brightness
2.Screen contrast
3.Screen saturation
4.Camera brightness
5.Camera contrast
6.Camera saturation
7.Return
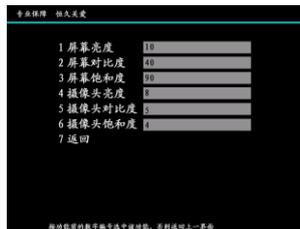
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or for return to previous.

Press"1" to select "Screen brightness"（Highlight means selected),input the data according to act-ual distribution, press"#" to confirm.The interface will be Screen contrast input screen after modified successfully.Input data and press"#" to confirm.Input all parameters as above.

When non-input status, press "7" or "*" to return to previous menu or exit automatically after 20s

Note: There are 99 levels of screen brightness,contrast and saturation(Escalate from 1 to 99).There 10 levels of camera brightness,contrast and saturation(Escalate from 1 to 10).

Please restart the device after set.

Delay setting

Press "5" on device setting menu, the screen shows:

1.Ring duration(S)
2.Talk duration(S)
3.Monitor time(S)
4.Magnetic delay(S)
5.Return
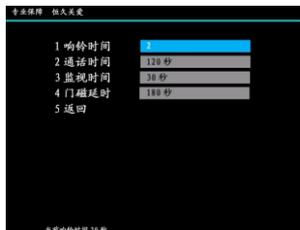
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
当前响铃时间20s
Ring duration:20s.

Press"1" to select "Ring duration"（Highlight means selected),input the time according to actual distribution, press"#" to confirm.The interface will be Talk duration input screen after modified successfully.Input data and press"#" to confirm.Input all time as above.

When non-input status, press "5" or "*" to return to previous menu or exit automatically after 20s.

Note: When all IP door phones enable message function,ring duration of Gate Station must less than 10s for ring duration of door phones,or message function will be invalid.

Please restart the device after set.

Image sharpness

Press "6" on device setting menu, the screen shows:
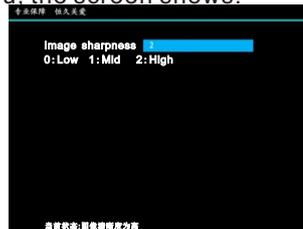
专业保障 恒久关爱：
Professional Guarantee Forever Concerned
当前状态：图像清晰度为高
Status：Image sharpness is high

Press 0/1/2 to select the camera sharpness as low/mid/high,press"#" to confirm.Then Gate Station will restart automatically after 3s.

Timing

Press "7" on device setting menu, when the connection is normal.the screen will prompt if succeed.

Install location

Press "8" on device setting menu, the screen shows:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
当前状态：室内模式
Status：Indoor mode

Press 0／1 can select install location as indoor/outdoor,press"#" to confirm,"*"to return to previous menu.

Access control: It is effective for Gate Station with access control, including "issue card by room NO.","issue card by swiping", "delete card by room NO."and"delete card by swiping".

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function,or return to previous.

a. Issue card by room NO.: Issue card by room NO. of the tenant.
On the "Access Control"interface, press "1", the screen will show:

Operation

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
输入房号按#键
Input room NO.and press #

Input 6 digits room NO.(Like 001001),press"#"to confirm,then swipe the card at the induction zone according to prompt,it means the card issued successfully,the user could continue to swipe other cards.Press "*"to return to previous menu.

Note:Tenant can use the card which is issued successfully to unlock.

b. Issue card by swiping：Issue card by swiping for tenants.

Press "2" on the "Access Control"interface,the screen will show:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
请刷卡
Please swipe card

Swipe the card at the induction zone according to prompt ,it means the card issued successfully

Note:Tenant can use the card which is issued successfully to unlock.

c. Delete card by room NO. : Delete card by room NO. of the tenant.

Press "3" on the "Access Control"interface,the screen will show:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
输入房号按#键
Input room NO.

Input 6 digits room NO.(Like 001001),it means the card deleted successfully.

Note: The deleted card will be invalid card,can not release the door,until registered again.

d. Delete card by swiping : Delete card by swiping of the tenant.

Press "2" on the "Access Control"interface,the screen will show:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
请刷卡
Please swipe card

Swipe the card at the induction zone according to prompt ,it means the card deleted successfully.

Press"*" to exit.

Note: The deleted card will be invalid card,can not release the door,until registered again.

Dial format:

专业保障 恒久关爱：
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按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or return to previous.

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Room NO. of tenant adopt 13-digit encode(2-digit group NO. + 3-digit building NO. + 2-digit unit NO. + 3-digit floor NO. + 3-digit room NO.).For example, group NO . digit is 0,building NO. digit is 0,unit NO. digit is 0,floor NO. digit is 1,room NO. digit is 1,when Gate Station calls floor 1 room 1, input "11#"can call this tenant. If floor NO. digit is 2,input"011#".

Press"1" to select "Group NO. digit"（Highlight means selected),input the data according to actual distribution, press"#" to confirm.The interface will be Building NO. digit input screen after modified successfully.Enter Building NO. digit input screen after modified,then input the data and select category of Room.

When non-input status, press "6" or "*" to return to previous menu or exit automatically after 20s.

Device maintenance

Press "0" to set not to auto-restart,press "1" to set the device auto-restart.

When enable the auto-restart,the icon of auto-restart interval will be light up,and set the days

interval,press "#" to confirm.Then icon of auto-restart time will be light up,and set the time ,press

 "#" to confirm.

Please restart after set.

Language:

There are two languages for option: English and Chinese.

Operation

Others

1 音量设置　　　1. Volume setting
2 抓拍开关　　　2.Snapshot ON/OFF
3 密码管理　　　3.Password setting
4 重新启动　　　4.Restart
5 在线检测　　　5.Check-on-line
6 修改设备日期　6.Modify date
7 修改设备时间　7.Modify time
8 修改设备星期　8.Modify week
9 按键音开关　　9.Key tone ON/OFF
0 显示本机信息　0.System info

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or return to previous.

Volume setting

Press"1" on others menu, the screen shows：

1 设置铃声音量　1.Ring volume setting
2 设置通话音量　2.Talk volume setting
3 返回　　　　　3.Return

专业保障 恒久关爱：
Professional Guarantee Forever Concerned
按功能前的数字编号选中该功能，否则返回上一界面
Choose number for function, or return to previous.

Press"1" or "2" to enter ring setting and talk setting interface：

设置响铃音量

Ring volume

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There are 5 levels of ring volume and talk volume(Escalate from 1 to 5),press "#" to modify,press "*" to cancel modification.

Snapshot ON/OFF

Press"2" on others menu, the screen shows:

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Press"0" to set not to enable snapshot function,press"1" then press'#" to enable snapshot function.

If snapshot function is enabled both on Gate Station and Center,when this device calls a tenant or Guard Center,PC will take the photo.

Password setting

Press"3" on others menu, the screen shows:

Operation
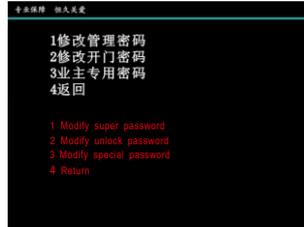
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a. Modify super password

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Input 1-8 digits new password and press"#" to confirm. Then the screen prompt to confirm super password again. If entered two new super passwords are the same,it will prompt that new super password is modified successfully.

Note: Original password is "88888888"

　　　Must use new password when enter setting menu.

b.Modify unlock password

Press"2" on password setting interface to the menu:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned

Input 6 digits new password and press"#" to confirm.Then the screen prompt to confirm unlock password again. If entered two new unlock passwords are the same,it will prompt that new unlock password is modified successfully.

Note: Original password is "00000000",new password is 6-digit.

c.Modify special password

Press"3" on password setting interface to the menu:

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Professional Guarantee Forever Concerned

Input room NO.（Former 3-digit is floor NO.,last 3-digit is room NO.),press"#"to confirm ,the screen shows:

专业保障 恒久关爱：
Professional Guarantee Forever Concerned

Input 6 digits new password, press"#" to confirm.Then the screen prompt to confirm special

password again,tenant input new password again,press"#" to confirm. If entered two new special

passwords are the same,it will prompt that new special password is modified successfully.

Note:New password is 6-digit.

　　Press"#" can switch to next room No. during operation.

Modify date

Press"6" on others menu, the screen shows：

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Input the date and press "#" to confirm.

Modify time

Press"7" on others menu, the screen shows：
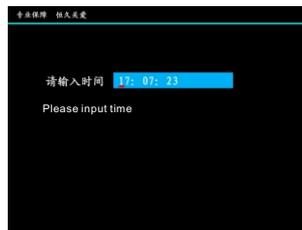
专业保障 恒久关爱：
Professional Guarantee Forever Concerned

Input the time and press "#" to confirm.

Modify week

Press"8" on others menu, the screen shows：

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Input the week and press "#" to confirm.

Key tone ON∕OFF

Press"9" on others menu, the screen shows：

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Professional Guarantee Forever Concerned

是否开启按键音？
0:否 1:是

Turn on key tone?
0:NO   1.YES

Press"0" to set not to turn on key tone,press"1" to turn on key tone.

Magnetic Alarm:

At the back of Gate Station ,there is a magnetic terminal MENCI, GND on the socket J7and a JP2 which is 3 cores short circuit pin socket they are used to connect door contact.

When plug jumper on pin 1 & 2 on the pin socket, if MENCI and GND are open more than the magnetic delay time and no short circuit,it will report the alarm.

When plug jumper on pin 2 & 3 on the pin socket, if MENCI and GND are short circuit more than the magnetic delay time and still be connecting,it will report the alarm.

Note:After all settings are completed,please restart Gate Station to refresh datas.

There is a JP3 pin socket on the back of Gate Station,when wiring distance between Gate Station and Guard Center is long,plug the jumper is suggested.

Calling Tenants(Divert off):

When standby, input room NO.（1 digit floor number and 1 digit room NO.), For example, calling room 2 on 3rd floor, input:32, the screen display the number (If set as alphabet,it will display the alphabet):

呼叫格式:1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

After finished input the room number,press"#"to confirm,if the number does not exist, the screen will prompt:

呼叫格式:1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

不存在该房号： Room NO. does not exist

If the number is correct and the line is not busy,it will ring out,the screen will show:

呼叫格式:1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

响铃中，挂机按*: Calling,* to hang up

When the tenant answers the phone,the screen will show:

呼叫格式: 1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

通话中，挂机按*：Talking,* to hang up

Visitors can talk with the tenant ,Press "* " can hang up .

If the conversation last over time, the system will return to standby state automatically.

The tenant can unlock the electric door by pressing the "unlock" key while talking,the screen will

show:

呼叫格式: 1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

已开锁，请随手关门：
Unlock，please close the door

If there is no answer while calling the tenant over ring duration time, the system will return to standby

state automatically.

When Gate Station is calling the tenant,door phone is IP system and Gate Station with message

function,if time out and no one answer the call,Gate Station will prompt"Press"#" to leave a mess-

age in 5s,others to hang up",visitor can press "#" to leave message for tenant,the screen display

the countdown.

Calling Tenants(Divert on):

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When the station calls the tenant and the line is not busy,the system will transfer the call to Guard Center. You can also leave a message to Guard Center,the message will be delivered to the household.

Calling Center:

Press"00#",you can call the Center(sequence of call:Master Station>Sub Master Station>Guard Center>Back up Guard Center)

If the center is free, the screen will show:

呼叫格式:1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.
你已呼通管理处：
Get through Guard Center

If there is no answer in setting time，system will be back to normal automatically.

If someone answers, the call can last for 120s,system will cut off the line if over time.

Unlock the door by Guard Center while talking.

If divert on，it will transfer the call to the Center.

If the Center no answer or is busy and with Back up Center, it will transfer the call to the Back up Center.

If the Center is busy,no Back up Center,it will prompt busy tone,please call later.

Unlock by password:

Normal unlock:tenant could unlock by password,The method is to input" * " + password + " #".

Operation

For example,the unlock password is "000001", input"*000001"to unlock

呼叫格式:1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

已开锁，请进：
Unlock,come in

tenant can use special password to unlock.The method is to input" * " +Room NO.+ password + " #".
When tenant use special password to unlock,input room NO. should according to dial format.For example,dial format is 1-digit floor NO. + 1-digit room NO. ,it is floor 01 room 1.The tenant with special password is 000002 should input " *11000002#".

Unnormal unlock:Force to unlock,the method is to input:"*"+ public password+any digit or alphabet +"#" ,or "*"+Room NO.+special password+any digit or alphabet+"#" .Room ID should be input according to dial format.Just like input "*0000019#" or "*110000027#" , the door open and send the alarm to Guard Center at the same time.

Unlock by Access Control card:
When standby, the tenant use IC card to close to the induction zone."Du "tone can be heard if succeed ,the screen will show:

呼叫格式:1位层号+1位房号
Dial format: 1 digit floor NO. + 1 digit room NO.

已开锁，请进：
Unlock,come in

If IC card fails validation, "Du Du"tone can be heard, the screen will prompt invalid card.

Specification

Direct Voltage	+18VDC
Static current	≤410mA
Working current	≤450mA
Operating Temperature	$-30^0C \sim +55^0C$
Humidity	45%～95%
Distortion	≤5%
Sensitivity	≤30mV
Camera	1/3"SONY SHADCCD, 0.5Lux, 36"
Signal System	PAL/NTSC
Resolution	960(H)×234(V)
LCD	14.0cm
Conversation time	Refer to setting time
Wire type	1* CAT5+1*RVV3X1.0mm^2 power wire
Network port	RJ45
Protocol	TCP/IP
Wiring distance	Use a network switch or router in 60m, add a fiber optical transceiver over 60m
IC card access time	<100ms
IC card access distance	Ic≤20mm
Capacity of cards	3000
Protection grade	IP33
Dimensions	370×1195×270mm（Not include bottom case）

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Terminal Marks		Description
J10	+18VDC	Power supply input +, supply DC +18V for the station
	GND	GND
	LOCK	Unlock signal output, output pulse +12V voltage to system power supply to unlock
J7	MENCI	To door contact controller
	GND	GND
	485A	To WRT lift controller
	485B	To WRT lift controller
Network port		Data transmission

Description	Check	Solution
Gate Station does not work	1.Check the power supply 2.Check the wire connection between Gate Station and power supply	Connect wires between Gate Station and power supply correctly
Cannot connect to network	1.Check the network port and connection of network wire. 2.Check the IP	Connect network wires correctly and set the correct IP
Cannot Unlock	1.Check wire connection between Gate Station and power supply. 2.Check wire connection between electric lock and power supply. 2.Check if electric lock is match 3.Check connection of network wire.	1.Use PIN to release door, if it works, the problem is the wiring between Gate Station and system. 2.If PIN cannot release door, please test if there is +12V between LOCK of Gate Station and NO port of system power supply when release door. If no voltage in LOCK, please change Gate Station. If there is voltage in NO, please change electric lock. If no, please check the wire connection and power supply.
IC Card Cannot release the door	1.If the card is registered 2.If the card is damaged 3.Using the card in correct way 4.The station does work	1.If just only one card does not work, register the card. 2.If all the cards does not work, check the wiring of Gate Station.

WRT®

WRT®

Panel of Gate Station

To LAN

Cable

18V
GND
UNLOCK

JP2
ENC
GND
485A
485B

To lift controller

Door contact

18V
GND
PUSH
NO
NC

Electric lock

RVV2×1mm²

RVV3×1mm²

HD-V18
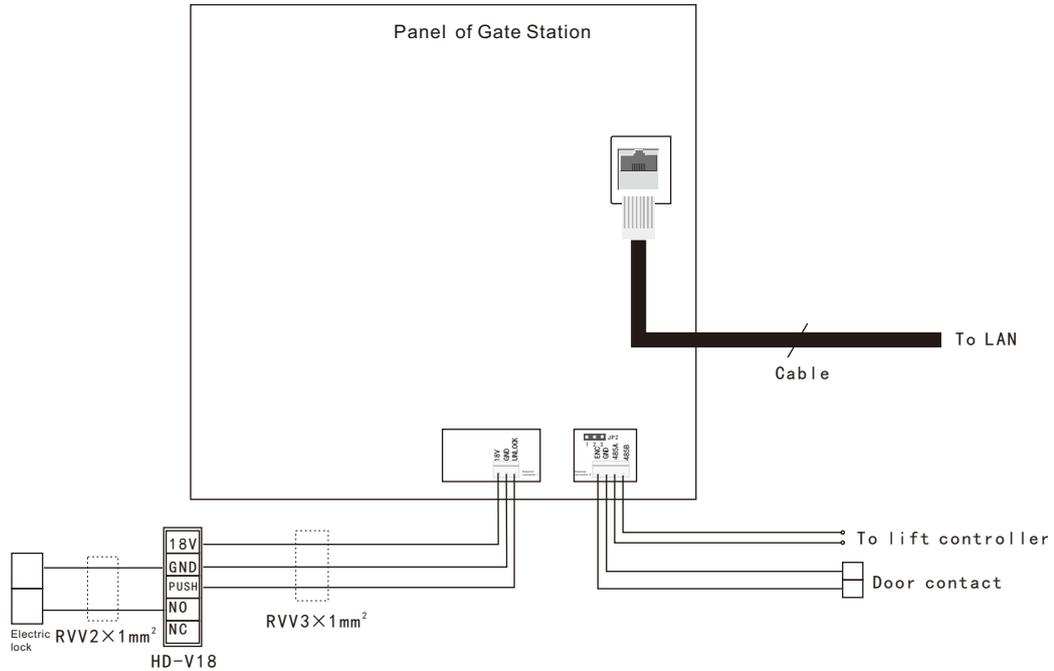
Note : There 2 ways of electric lock:unlock when energized and unlock when power off,please connect according to actual situation.

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