operation instructions

Change log			
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1 Product introduction

1.1 Product function introduction

MAGNIZON computer room environment cloud monitoring terminal (4G) product is based on the function of uninterruptible power supply environment network monitoring Pro terminal. Send instant UPS abnormal alarms to users who have paid attention to the equipment through text messages and voice, such as mains power interruption and low battery voltage. On the basis of UPS monitoring, Pro also realizes integrated power environment monitoring, which can be widely used in real-time environmental monitoring of all kinds of unattended computer rooms.The product has the following functional features:

- Monitor the power environment information of the machine room in real time, and send the alarm information and the main operation data of the equipment at that time when the equipment is abnormal
- This monitoring product adopts the administrator mode, and only legitimate users can configure and manage this product, such as setting and managing mobile phone numbers, enabling UPS control commands, etc.
- High reliability. In case of abnormal conditions, the alarm information can be sent to (up to) 8 administrators' mobile phones at the same time. You can also enable the call reminder function. Users can receive the device alarm information at the first

time. Users can also take the initiative to text messages or call to query the current operating status of the monitored device; (SMS alarm information supports Chinese and English, and telephone alarm only supports Chinese)

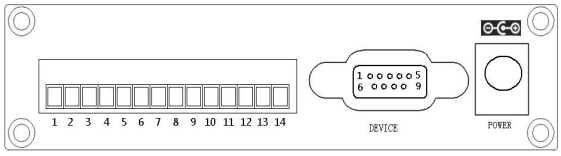
- The device integrates the voice query function to facilitate users to timely , actively understand the latest situation. When the user dials actively, it can voice broadcast the current status, and automatically send the current status data through wechat.
- It directly supports up to 5 sensor input interfaces and 3 remote control output interface
- It can be equipped with temperature and humidity detection unit to monitor the temperature and humidity in the machine room in real time
- The built-in lithium battery can supply power for 30 minutes when the power supply is not provided

1.2 Product appearance and interface definition

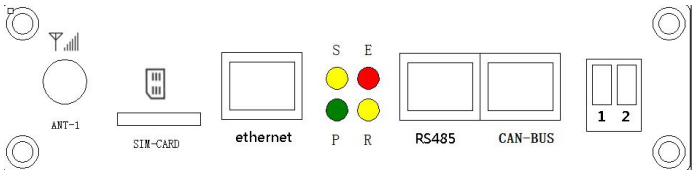
1.2.1Product size and appearance

Size: 120mm long * 133mm wide * 26mm high

Front panel



Rear panel



1.2.2 Interface definition

- P: The power indicator is always on during normal operatio
- R：During normal operation, the flashing frequency of the operation indicator is 1Hz. If it is always on or off, it means that the program is not running or the system crashes
- S:f The 4G network indicator flashes every 2 seconds under normal conditions, and flashes quickly during network registration

- E: The ups communication indicator light, which is normally on, indicates that the communication between pro and UPS is normal, and the flashing frequency of 2Hz indicates that the network card UPS communication is disconnected
- Dial switch 1: used to restore the default IP. When you dial on, the device will restore the default IP. During normal operation, it should be switched to the off end
- Dial switch 2: used for serial port output. When it is dialed to the on end, the device RS232 serial port output. During normal operation, it should be switched to the off end
- Ethernet：UTP 10/100M RJ45 Ethernet interface. When the network is normal, the orange light of the Ethernet interface flashes and the green light is always on
- RS485:RS485 communication port 1 is used to expand the temperature and humidity detection module or other RS485 communication equipment (if there is no such equipment, do not connect the network cable to this interface)
- CAN-BUS:Reserved port, reserved RS485 half duplex interface (if there is no above equipment, do not connect the network cable to this interface)
- Device:RS232 communication interface is used to configure parameters with PC and query UPS information. RS232 serial port cable matched with UPS is used to connect to this interface
- DC 12V:The power input port is connected with the matching DC 12V power adapter

- ANT-1:Antenna interface, using matching antenna connection
- sim: SIM card interface. The SIM card specification supports 4G mode, and the size of mirco SIM is 12 × When 15mm SIM card with non mirco SIM specification is used and installed with ferrule, please insert and unplug it carefully to avoid the friction of ferrule damaging the internal card slot

- Switching terminal

1： 12V output

2：Grounding

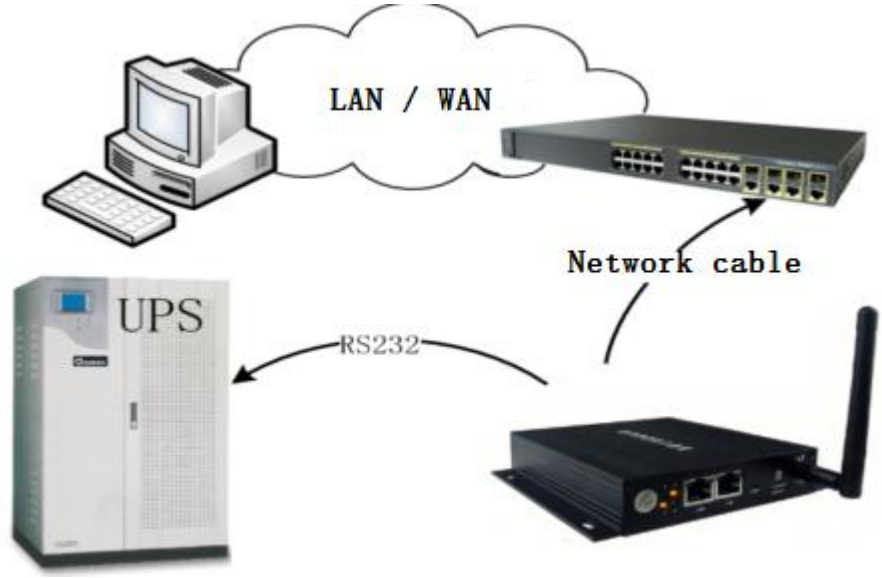
3-7： The corresponding input switching value is 1-5, which can be connected to dry contact equipment

8Access to public terminal

9-14 ： Dry contact relay signal output (terminals 9 and 10 correspond to output switching value 1, terminals 11 and 12 correspond to output switching value 2, terminals 13 and 14 correspond to output switching value 3), the rated current is 3a, and the contact is disconnected by default

2 Product installation

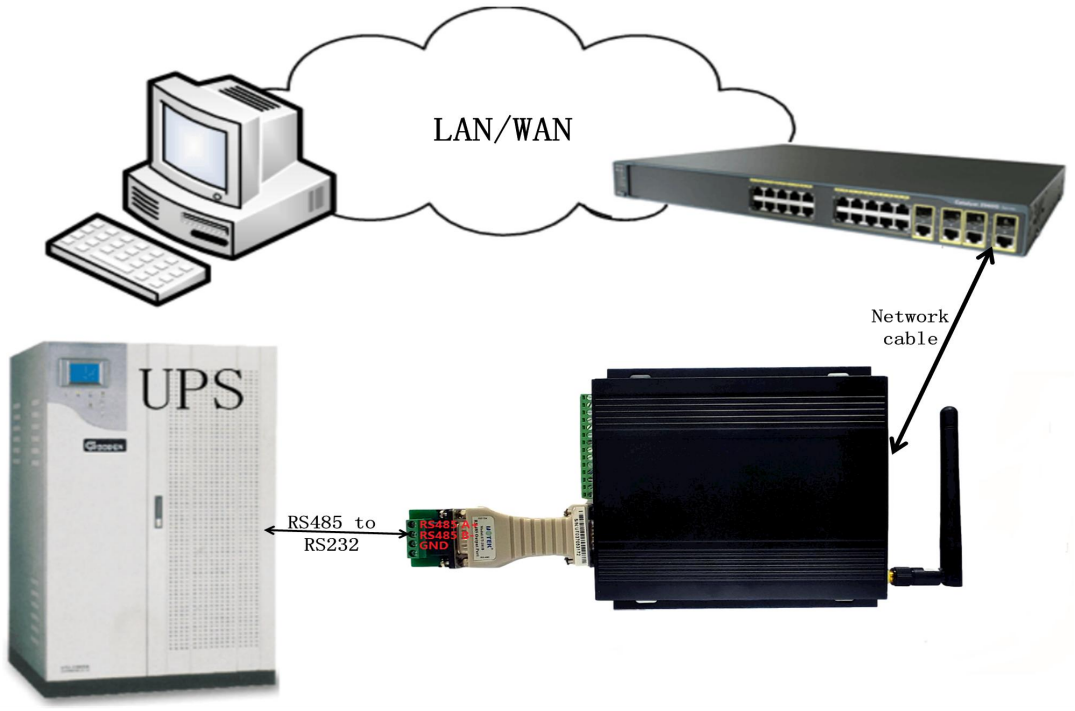
2.1 Ups and network installation diagram



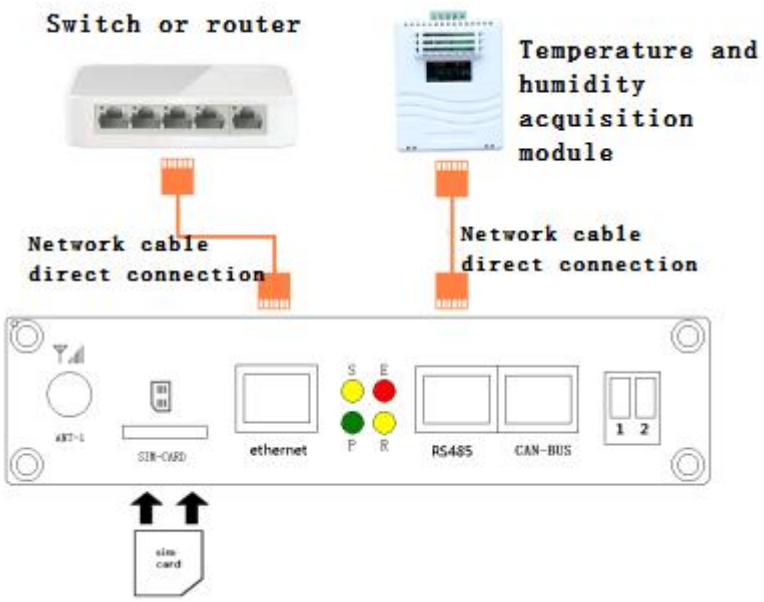
- [Power wiring]Connect the matching power adapter to the power port of the pro device, and the input power of the power adapter uses the output of ups
- [RS232 connection]Use the standard RS232 communication line of ups to connect the device port of Pro device card and RS23 of ups
- [network connection]Please connect the network interface Ethernet of the cloud monitoring card to the LAN with a straight through network cable (when configuring the IP of the pro device, connect the pro device network interface Ethernet and the computer network interface directly through the network cable)
- If there is an optional temperature and humidity detection unit, you can use the direct network cable to connect the pro device RS485_ 1 Port

- When connected frequently, the status of the indicator light: s light, e light and P light are always on, and R light flashes. If e light flashes quickly, that is, the module cannot communicate with UPS equipment, see common problems

Note：If the UPS is RS485 and the serial port of the Intelligent Cloud monitoring terminal (4G) module is RS232, then the level converter (RS485 a+, RS485 b-, GND) is needed to convert and collect data at this time

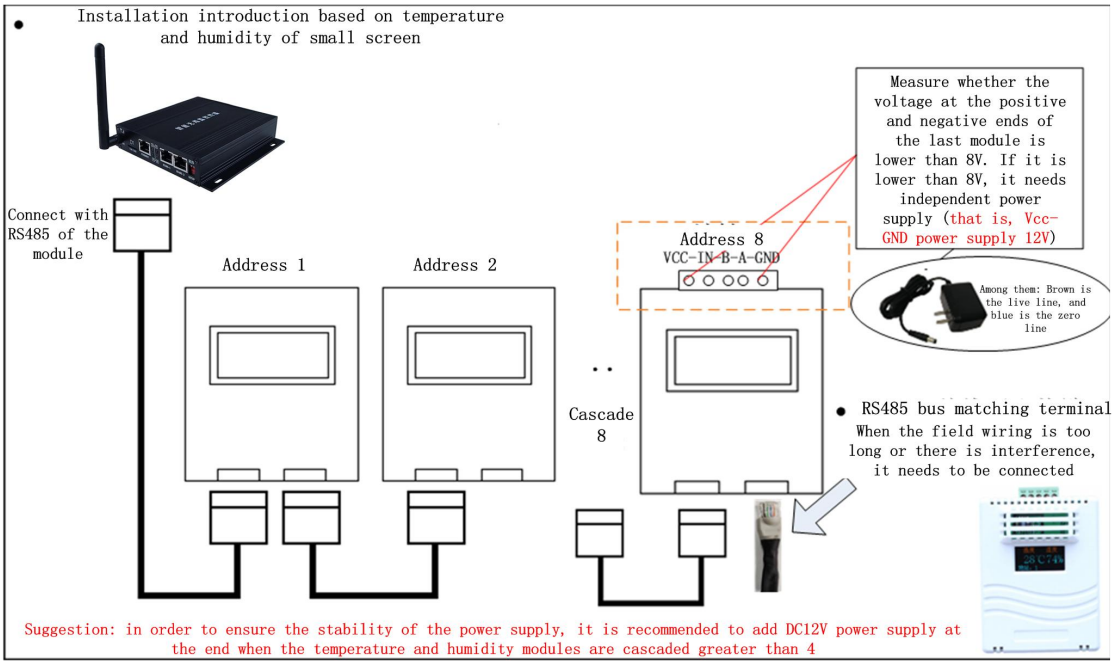


2.3 Front panel equipment wiring diagram



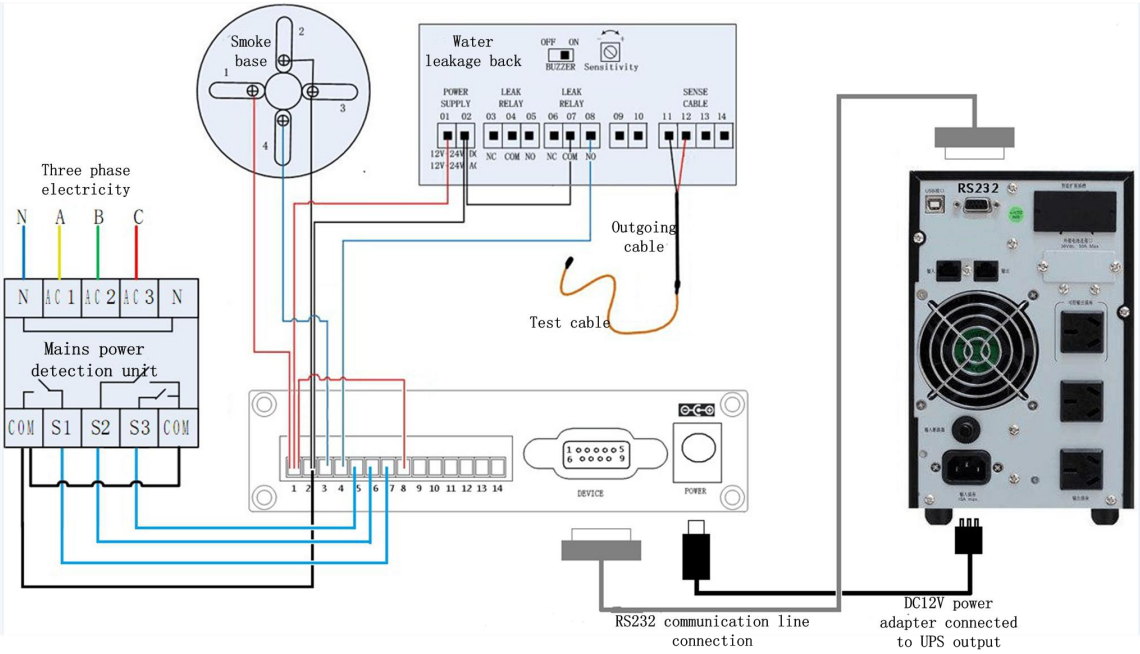
- SIM card description：As shown in the front panel wiring diagram, insert the SIM card with the notch facing outward and the chip facing downward. There is a buckle in the SIM card slot to fasten the SIM card. The specification of SIM card is to support 4G mode, and the size of Mirco SIM is 12 × 15mm
- Temperature and humidity wiring instructions：（As shown in the front panel wiring diagram, it corresponds to RS485）
- Use the network cable to directly connect the RS485 of pro and the RJ45 port of the temperature and humidity module. Multiple temperature and humidity modules can be directly connected in series with the network cable
- Ethernet port wiring instructions：Use standard network cables to connect to computers, switches, routers and other devices

Note：Cascade multiple temperature and humidity modules（JD04LR01）



2.4 Rear panel equipment wiring diagram

2.4.1 Wiring instructions of water leakage sensor, smoke sensor, mains power detection unit and UPS



- Short circuit terminals 1 and 8 on the monitoring host before

connecting to the detection equipment

- Wiring instructions of water leakage sensor (model: jd10x16a): (such as the wiring diagram of the rear panel, corresponding to the input switching value 2)

Water leakage sensor 01-02: connected to terminals 1 and 2 on the monitoring host or self configured power supply (12v-24v DC or AC power supply)

Water leakage sensor 06-08: leakage alarm relay no normally open, com common, NC normally closed. Com terminal is connected to terminal 2 of the monitoring host, and no terminal is connected to terminal 3-7 of the signal inputterminal of the monitoring host (connected to terminal 4 in the figure)

Water leakage sensor 11-12: connect water leakage detection cable (L1, L2)

- Wiring instructions of smoke sensor: (such as the wiring diagram of the rear panel,corresponding to the input switching value 1)

Smoke base 1 terminal: connected to terminal 1 on Pro monitoring host

Smoke base 2 and 3 terminals: two terminals are short circuited, and then connected to terminal 2 on the pro monitoring host

Note: terminal 3-7 corresponds to input switching value 1-5

Smoke base 4 terminal: connected to terminal 3-7 of switching value signal input monitoring host (connected to terminal 3 in the figure)

- Wiring instructions of mains power detection unit: (such as the wiring diagram of the rear panel, corresponding to the input switching value 3-5)

N terminal of mains power detection unit: connected to N line of mains power supply

Ac1-ac3 terminals of mains power detection unit: connect the three-phase power lines of mains power respectively

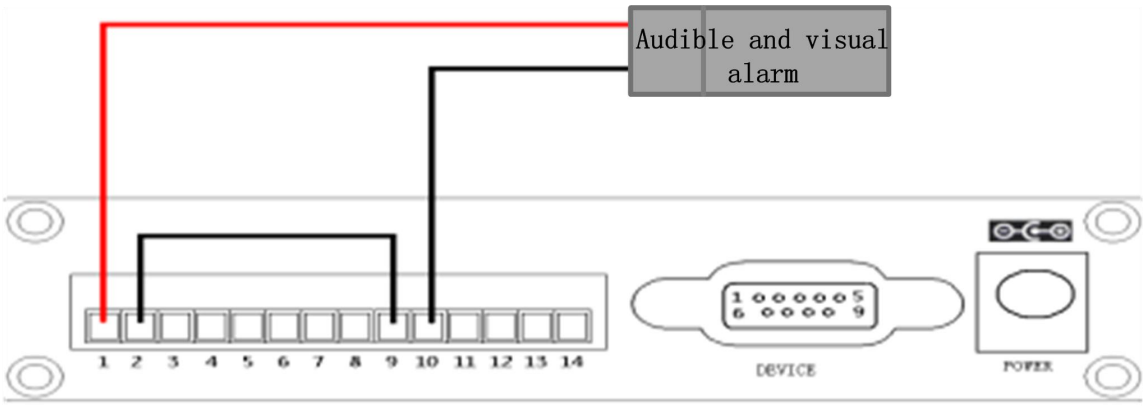
Com terminal of mains power detection unit: two com terminals are short circuited and then connected to terminal 2 of Pro host

S1-S3 terminal of mains power detection unit: connected to terminal 3-7 of switching value signal input of monitoring host (connected to terminal 5-7 in the figure)

- UPS wiring instructions: (such as the rear panel wiring diagram, corresponding to device)

Use the serial port cable provided by UPS to connect to the RS232 interface of ups

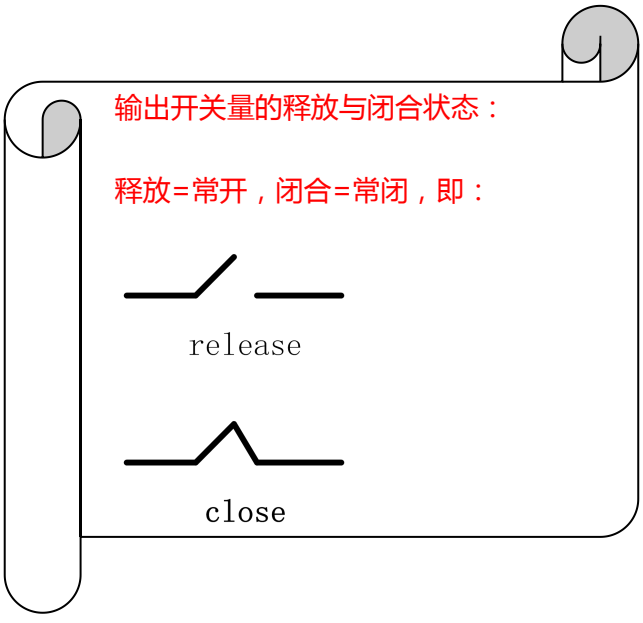
2.4.2 Wiring diagram of audible and visual alarm equipment

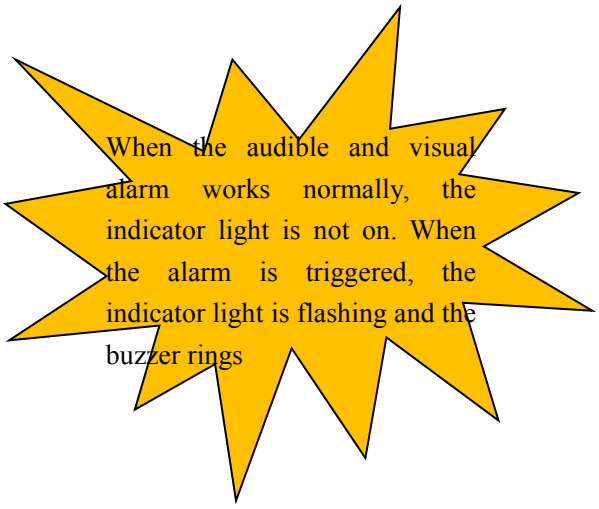


- Generally, the audible and visual alarm has only two wires, which are connected to the DC power supply, that is, the audible and visual alarm. A relay output is added in the middle here. When the relay is closed, an audible and visual alarm will be given. As shown in the above figure, terminals 9 and 10 are the terminals of relay 1.

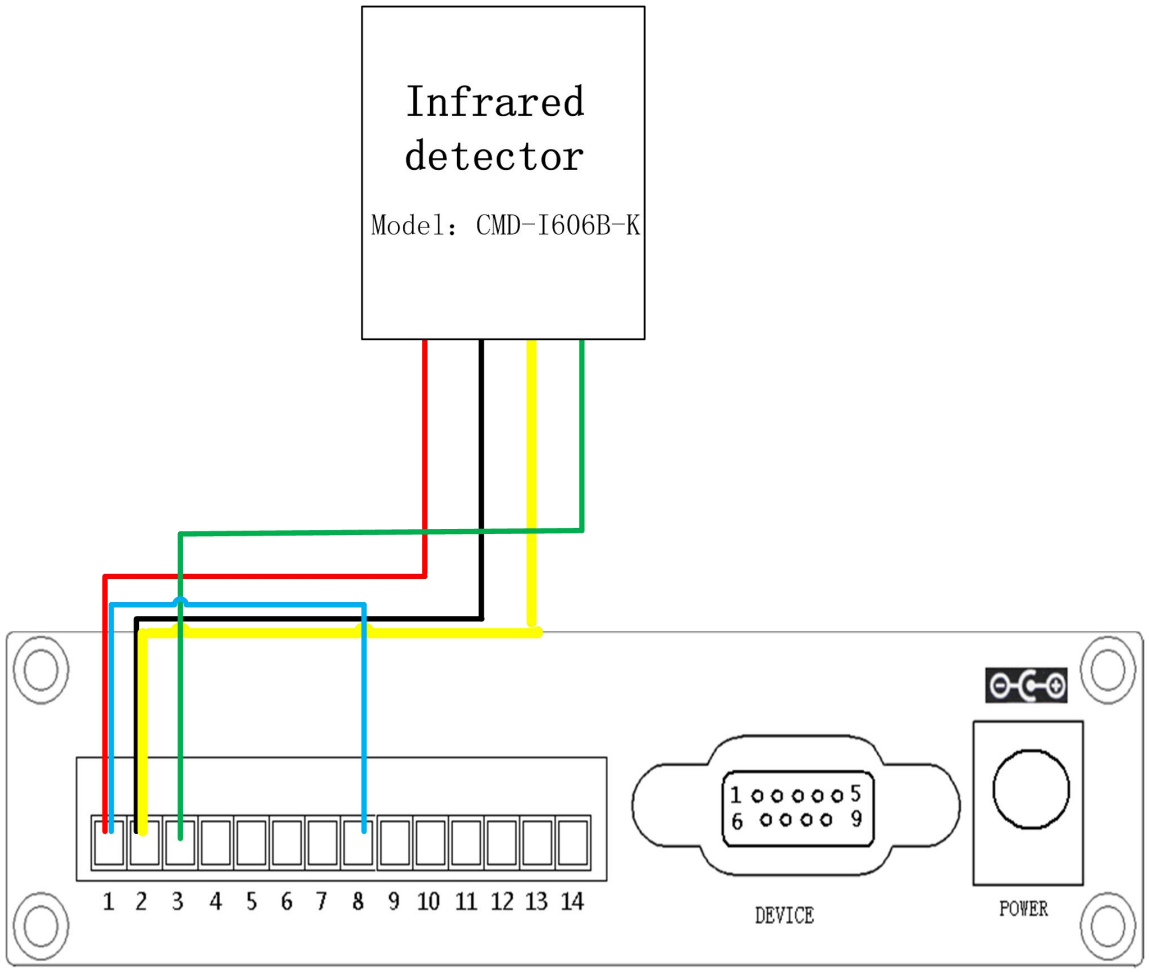
The positive line of the audible and visual alarm is connected to the 1 terminal of the pro, the negative line is connected to the 10 terminal of the pro, and the 2 terminal of the Pro is connected to the 9 terminal. Relay 1 is normally open by default. When relay 1 is closed, audible and visual alarm will be given

Note：Judge whether the wiring of the audible and visual alarm is correct: that is, set the corresponding channel in the "extended IO output control" in the "remote control -- > output control" interface on the web page to the closed state (as shown in the above figure: that is, set channel 1 to the closed state), and observe whether the audible and visual alarm will alarm, which can alarm normally, that is, the wiring of the audible and visual alarm is correct

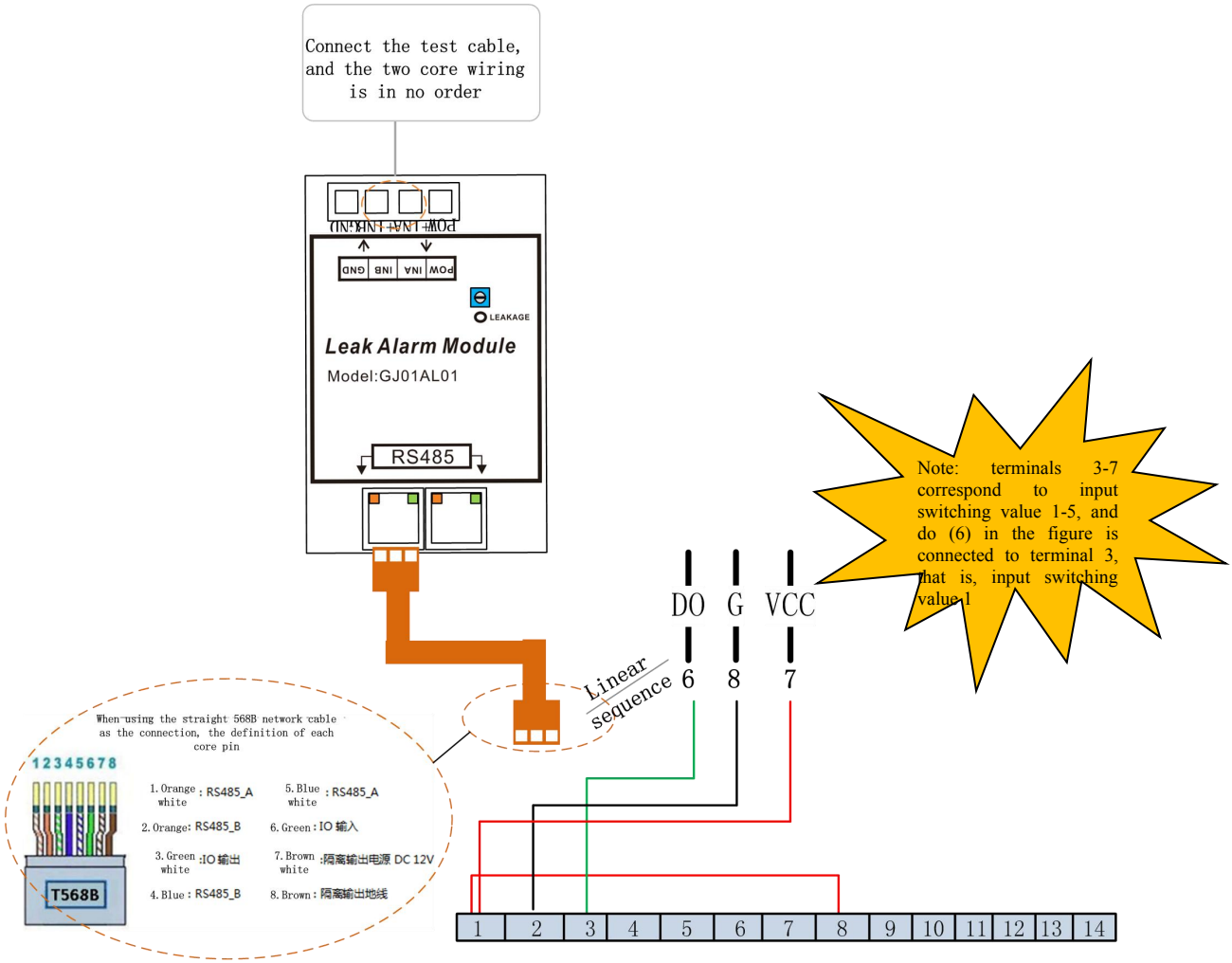




2.4.3 Wiring diagram of infrared detector equipment



2.4.4 Wiring instructions of water leakage detection module (GJ01AL01)



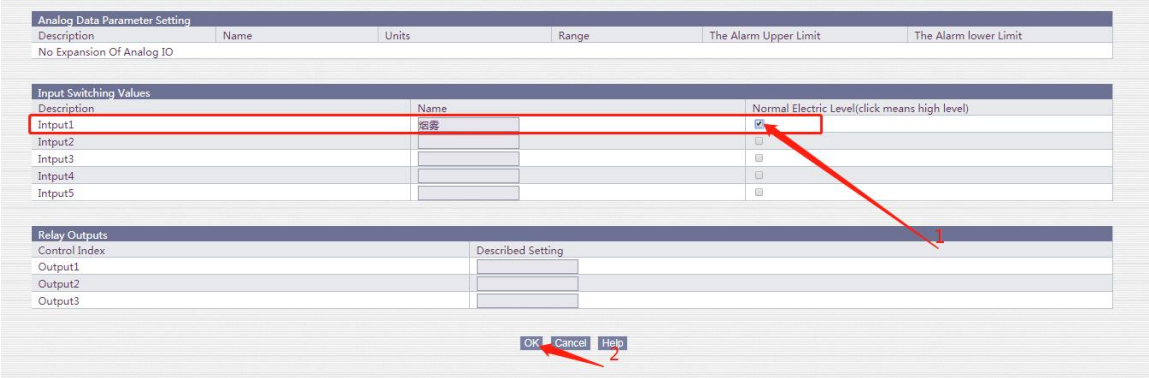
Note: when connecting, the "alarm" status will appear on the web page

Iutput Switch State(IO Acquisition Module Is Running Normal)

Name	Status	Name	Status
Input Switch1	Alarm	Input Switch2	Normal
Input Switch3	Normal	Input Switch4	Normal
Input Switch5	Normal		

You need to check the "normal level" of the corresponding switching value in the "extended IO setting" interface under the subdirectory of "parameter setting"

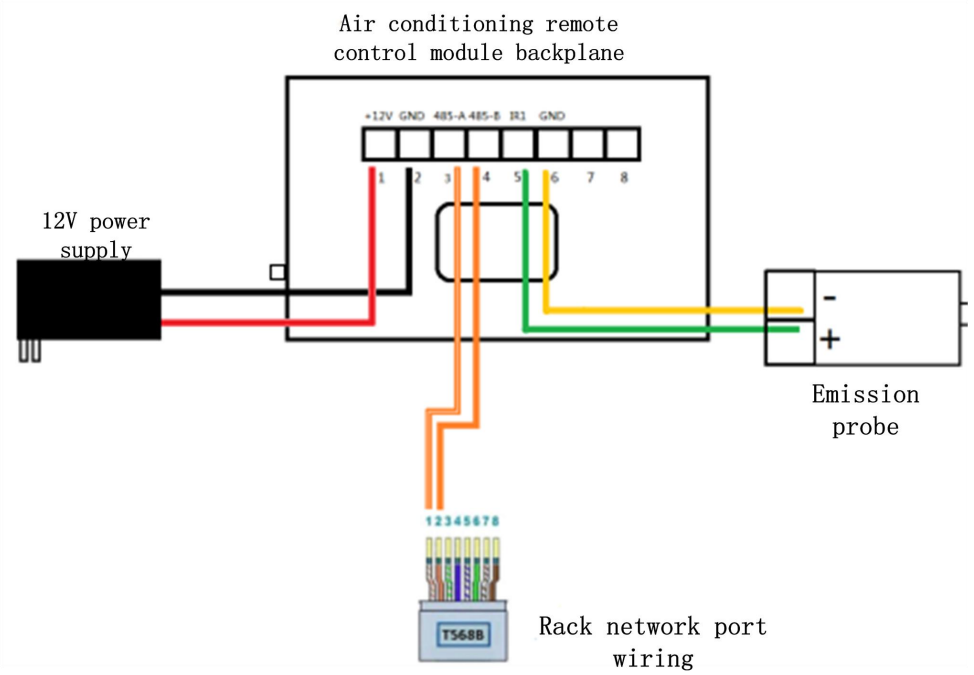
(Level: the state of the closed contact is normal; Tick: normally closed = normal normally open = abnormal; Not checked: normally open = normal normally closed = abnormal)



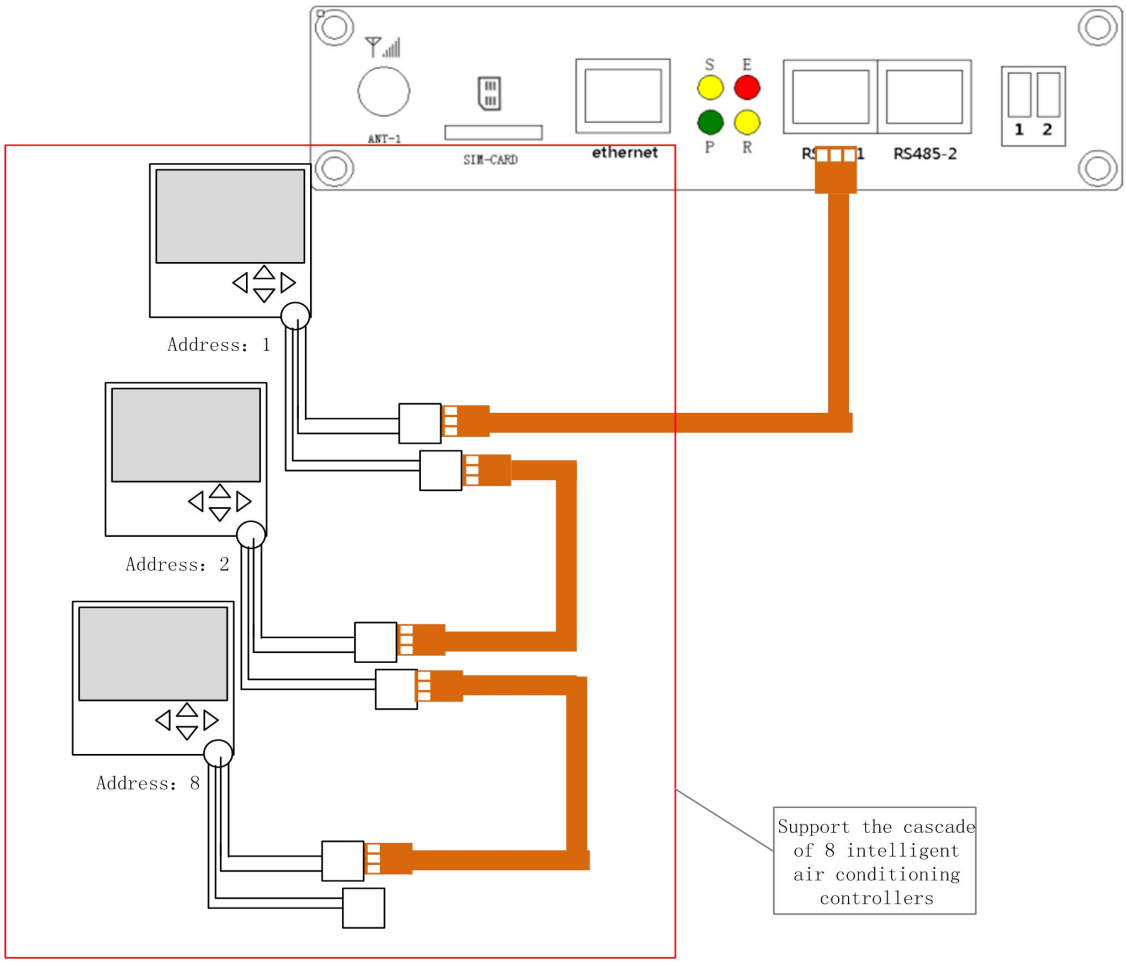
2.4.5Intelligent air conditioning controller

Installation method: connect to the multi-function independent isolation RS485 of the monitoring host directly through the network cable_ 1. On the interface, if you need the function of automatic starting by incoming call, connect the power supply of the intelligent air conditioning controller to the mains power supply

Equipment function: monitor the temperature and humidity of the indoor air conditioner, and allow the infrared transmitter to send control commands to the air conditioner



Wiring diagram：

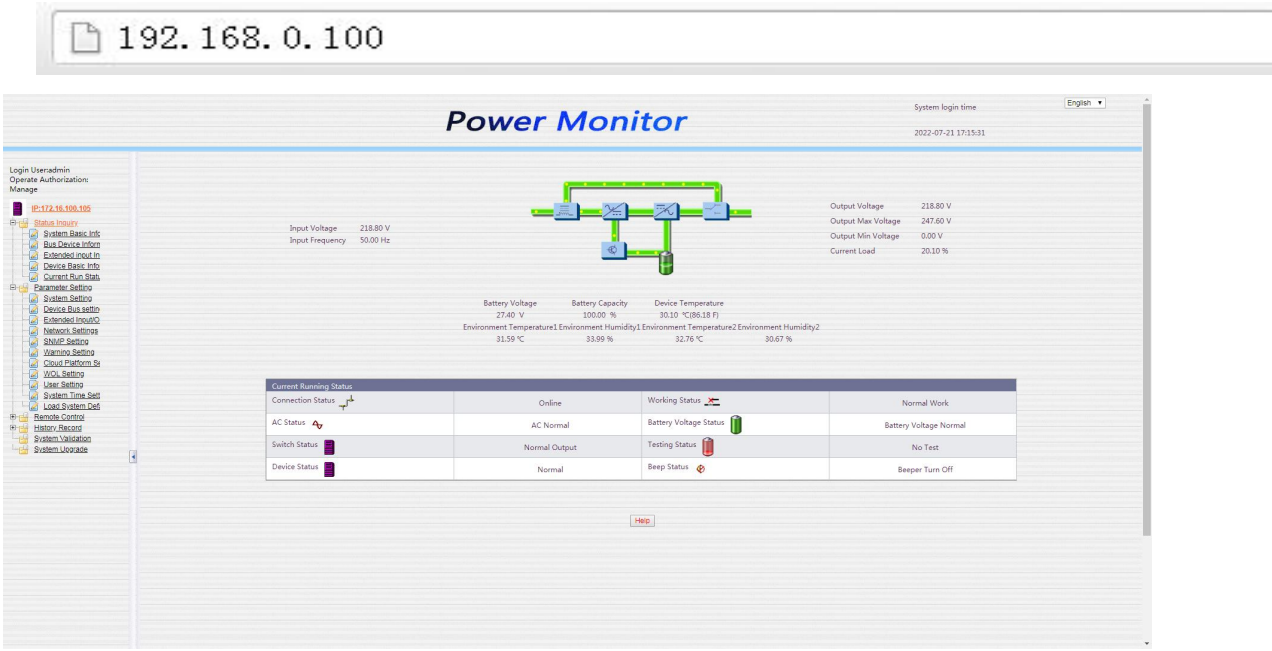


Note：The intelligent air conditioning controller supports up to 8 cascades

3 Log in to the background page of the monitori[illegible]rd

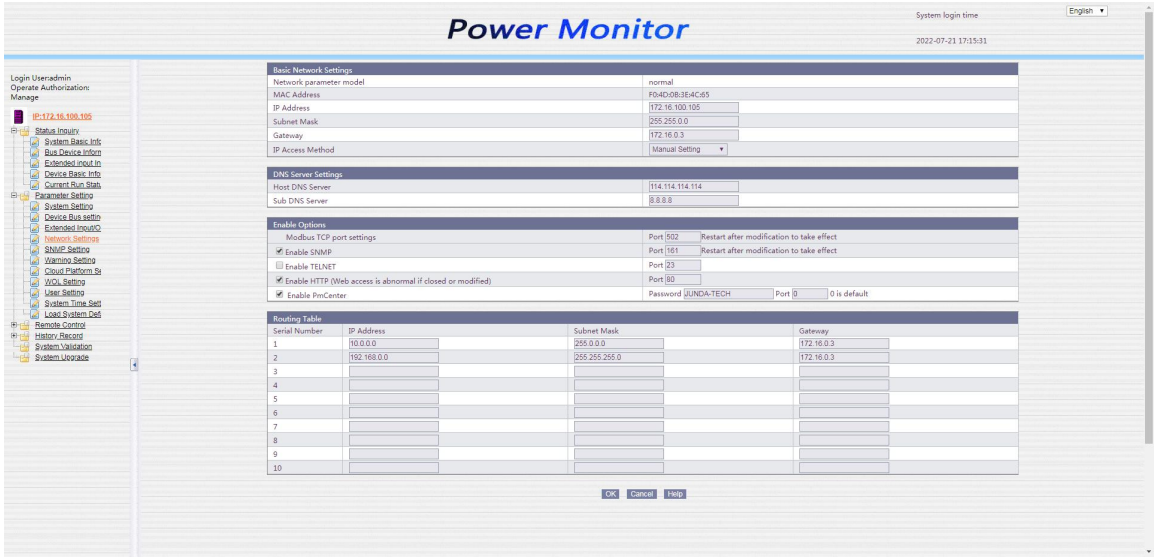
The IP of the computer needs to be in the same network segment as the IP of the monitoring card

The IP of the computer needs to be in the same network segment as the IP of the pro in order to normally enter the monitoring interface. It is recommended to modify the IP of the computer to 192.168.0.200, enter the IP of the pro in the web browser: 192.168.0.100, click enter, and enter the user name admin password admin in the pop-up window to enter the monitoring page of the pro



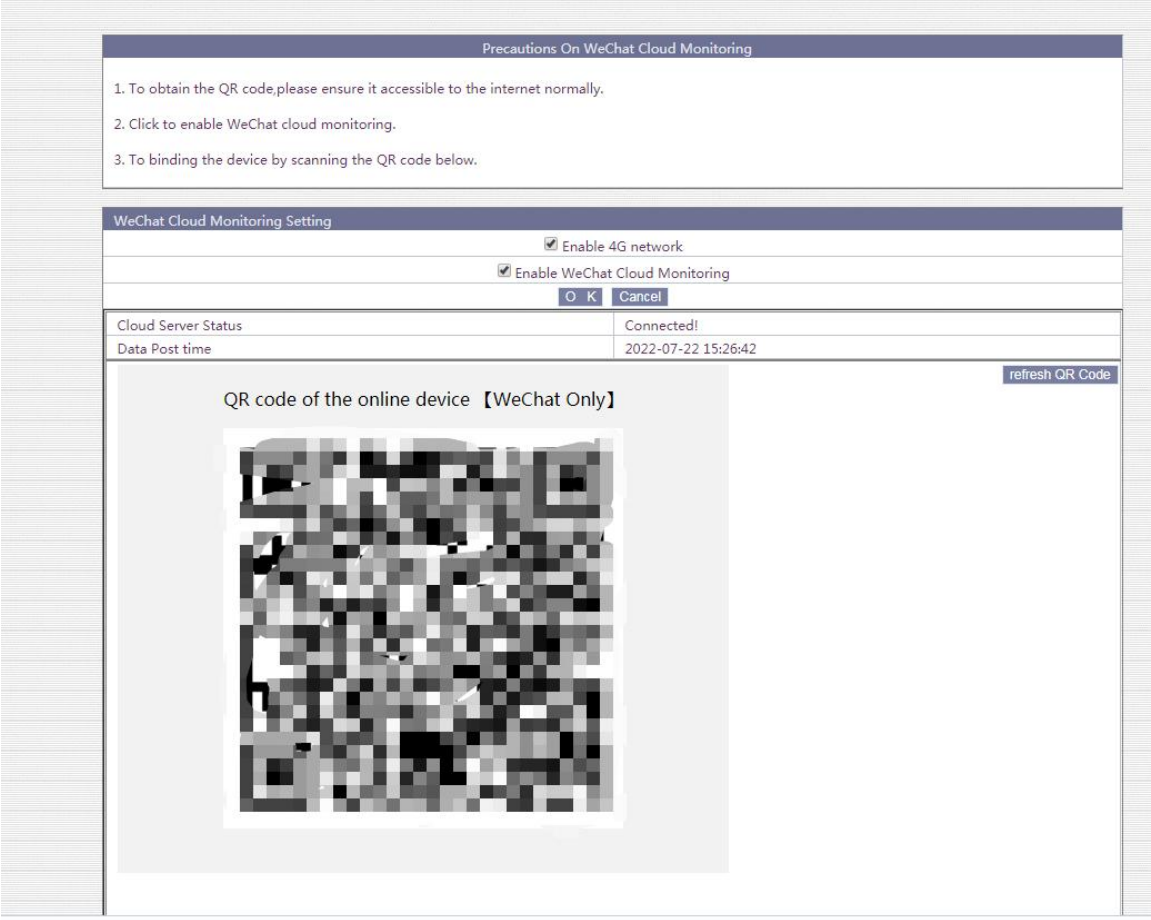
4 Modification of IP address

After setting the network segment of the computer to the same network segment as the monitoring card, enter the default ip:192.168.0.100 in the browser, enter the monitoring page with user name: admin and password: admin, and click the network setting (basic network setting) in the parameters to modify the IP, subnet mask, gateway, etc. after the setting is completed, the newly set IP will take effect after the device is restarted. Search again to display the new IP address



5Wechat alarm function

Open the page Parameter Settings > > cloud monitoring settings page to set, and the page is as follows:

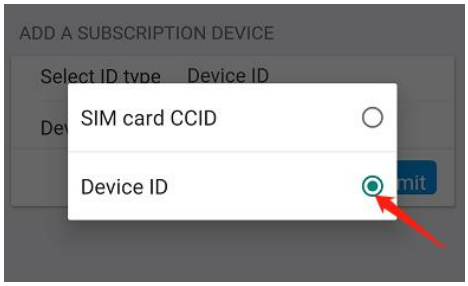


（Note: the monitored IP needs to be set as the external network）

How to add devices：

In the "cloud monitoring settings" interface on the web page, check "enable wechat cloud monitoring". Users can scan the QR code provided on the web page through the scan function of wechat, and enter the device details page. Note that there is a note at the bottom of the details page to remind them to pay attention to the company's official account. Only when the official account is marked can they manage and receive device alarm information online.

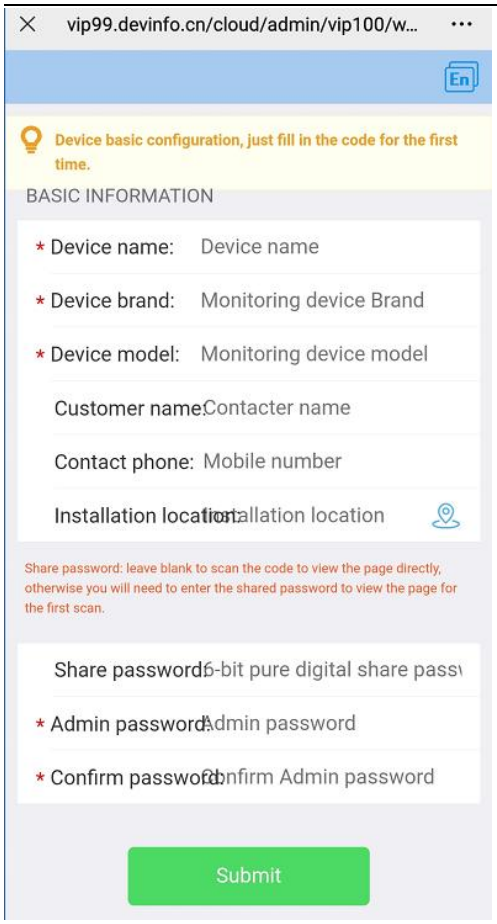
2、In the official account "Junda cloud service", click "my device" to enter the "device cloud monitoring platform" interface, click "add device" below the list, click "select id type", and select the terminal device ID, that is, the MAC address of the current device

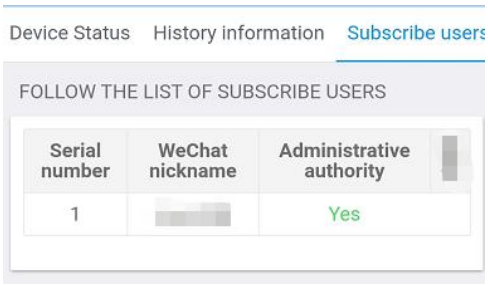


Enter the MAC of the device in the ID type to enter the details page of the device;

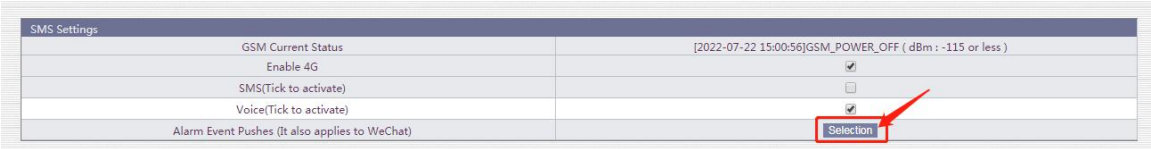
Note：Note that the format of entering MAC is "MAC address of MAC+ device", such as "MACF04D923BFD72" （there is no space, colon and other symbols in the middle）

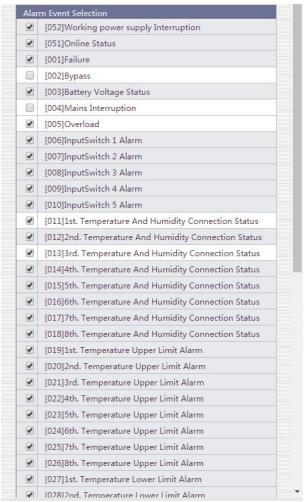
After adding a device successfully, the first person to follow is the administrator by default, that is, you need to fill in the specific information of the device (customized). After filling in, you can view the name and permissions of the user you follow, and the administrator can delete the user you follow





4、Wechat alarm push: you can select the corresponding alarm event in alarm settings -- > SMS settings. When the corresponding alarm is triggered, the wechat terminal will receive the corresponding alarm prompt





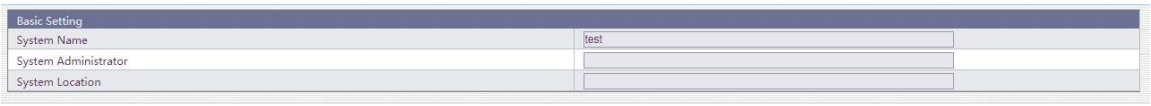
6 Display and modification of equipment name

图 1

Change of device name display

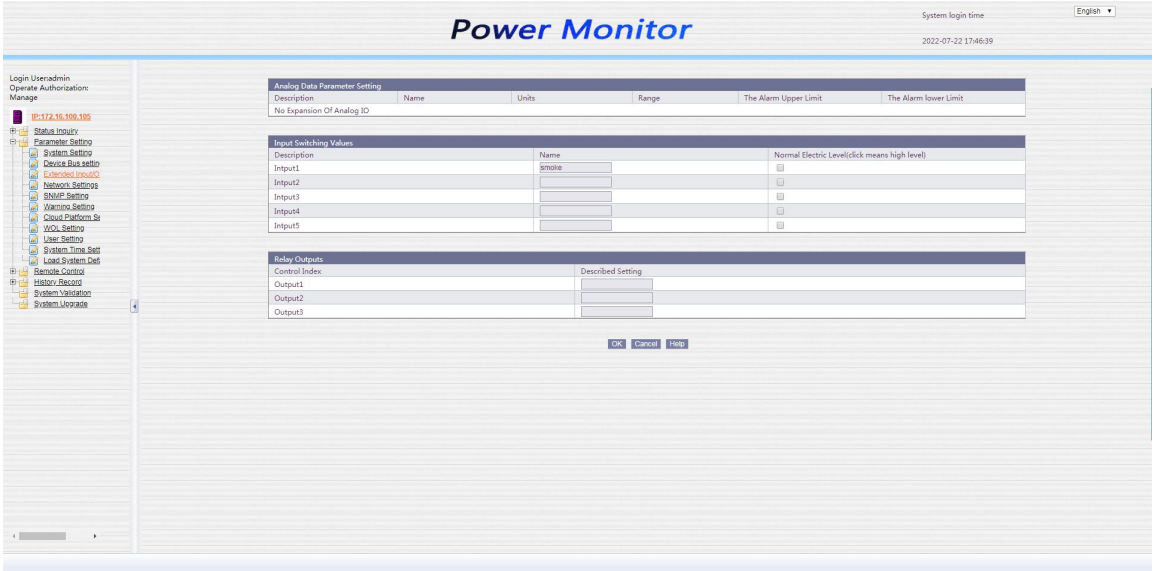
As shown in Figure 1, change the name of the equipment to "UPS equipment of Guangzhou Local Taxation Bureau"

The specific modification steps are: "parameter settings -- > >snmp settings -- > > system name" on the web page



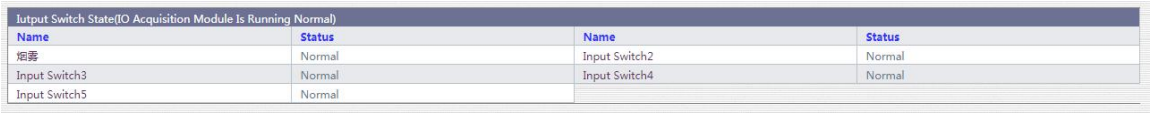
7 Modification of switching value name

Parameter settings -- > > extended IO settings -- > > input switching value settings



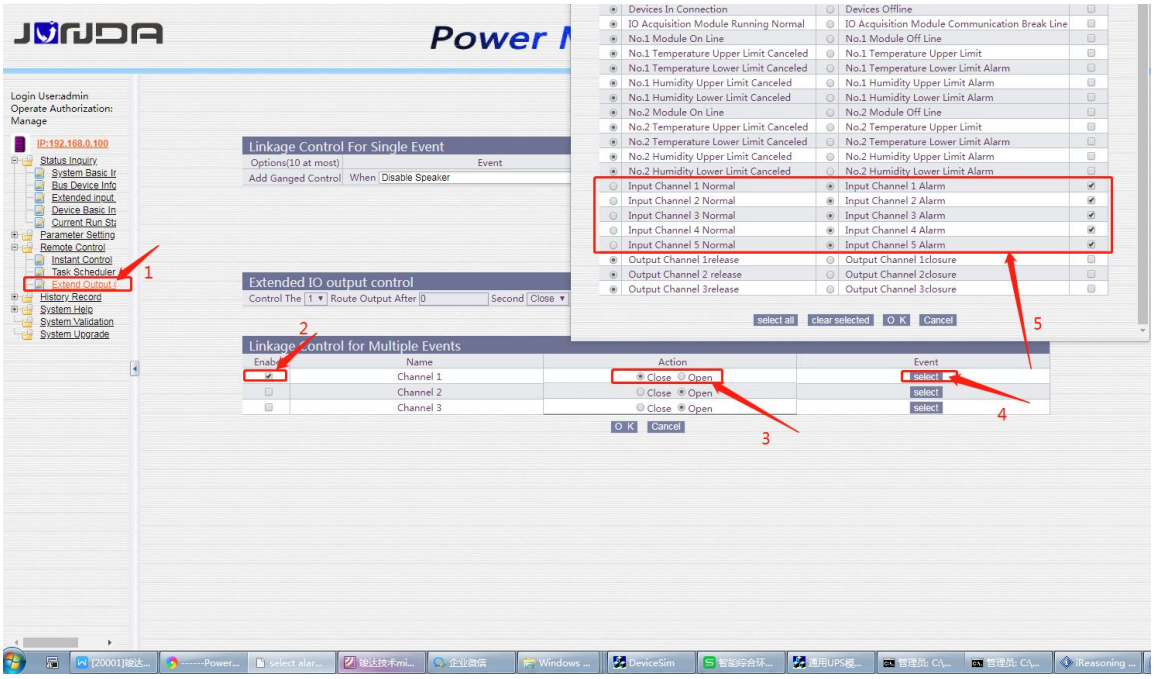
- Switching value 1-5 corresponds to 3-7 in the switching value wiring terminal. The name can be

named according to the connected equipment. After the modification is successful, the modified name can be seen in "status query - > > extended IO information -- > > input switching value status (IO acquisition module is running normally)" on the web page



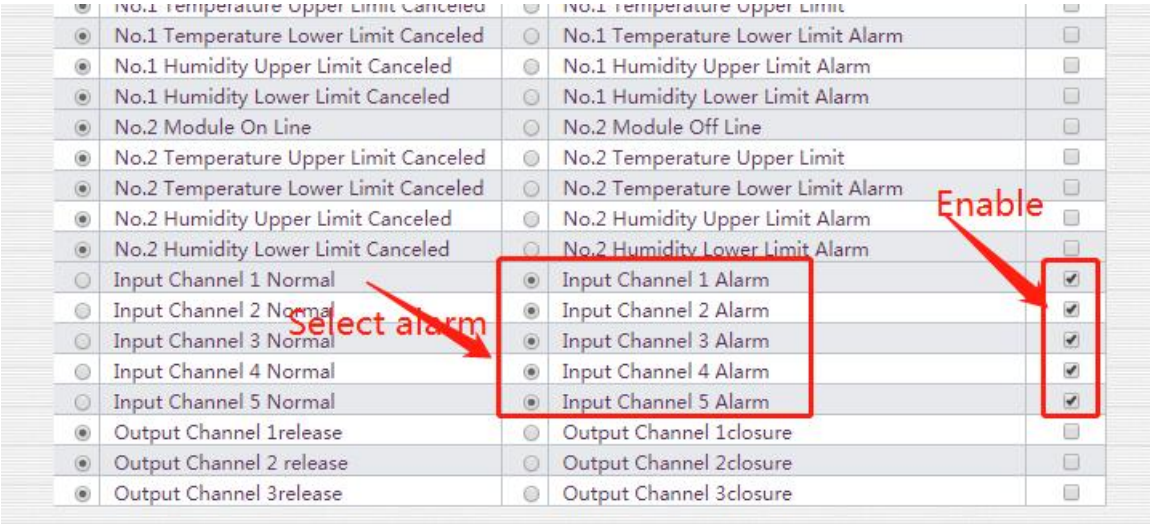
8Linkage control web page settings

Open the remote control → output control page to configure the linkage control of the equipment. Set to close or disconnect relays SW1-SW5 when an alarm is generated. You can choose to execute a relay action (close or disconnect) when an event occurs (alarm or recovery)



As shown in the figure above, the linkage control function of multiple events can link multiple alarm events to control the closing and release of output switching value. For example, after channel 1 is checked and enabled, the action is selected to be closed, and the event is selected as "input switching value 1 alarm, input switching value 2 alarm, input switching value 3 alarm, input switching value 4 alarm, input switching value 5 alarm", and click the enable column to check "enable". After clicking OK, when any of the above five alarm events is triggered, the output switch value 1 will be

closed. If the output switch value 1 is connected to the audible and visual alarm, the audible and visual alarm will be triggered. When the above five alarm events return to normal, the output switching value 1 is released, and the audible and visual alarm will also stop

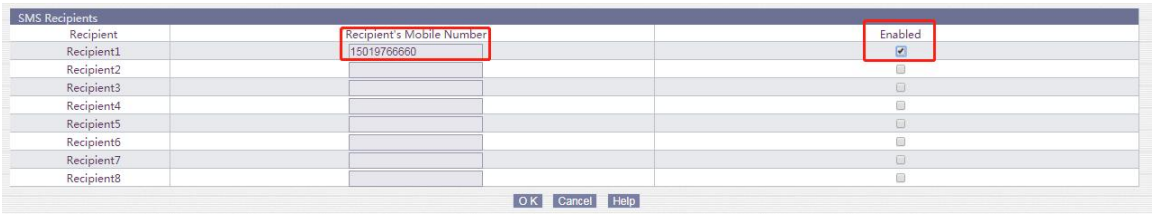


9 SMS voice function settings

Support web page setting and SMS sending setting, choose any setting method

9.1 Web page setting method

Open the parameter setting - alarm setting page, set the mobile phone number to receive alarm messages on this page, check enable, and click OK to save



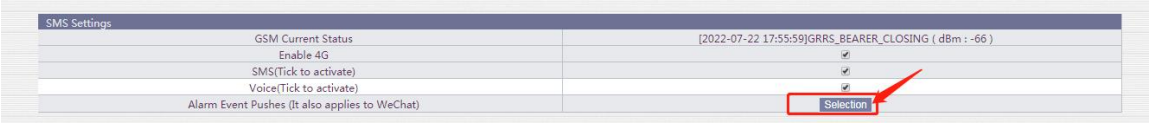
9.2 Send SMS settings

1. Query the ups status. After the pro device is in the normal working state, edit the text message ZT and send it to the number of the pro device to query the ups status. You can also directly dial the number of SMS alarm to query the current status of ups.

2. **Register alarm receiving users. Up to 8 alarm receiving users can be registered**

Take the mobile phone number 12345678910 as an example, edit the SMS:ZC000000#12345678910 sent to the mobile phone card on the alarm. When the reply is successful, it means that the user 12345678910 has been registered successfully (000000 is the initial password).

3. **Alarm reception** :Users who have successfully registered their mobile phone number will actively send alarm messages to the successfully registered mobile phone when UPS is abnormal The alarm contents mainly include: 1 Mains power interruption; 2. Low battery voltage; 3. Bypass status; 4. UPS failure. The specific alarm contents can be viewed:



So far, the installation and configuration of the product are completed, and the following instructions can be viewed for other SMS application instructions

7 Smart SMS application instructions

Registered user ZC

Function: register the mobile phone number on the alarm, and only the registered user can receive the alarm message of UPS;

Sending format: ZC+ password +# user 1 number +# user 2 number + (3 users can be registered at a time, and up to 8 users can be registered).

Application: edit SMS:ZC000000#12345678910 is sent to the mobile phone card on the alarm. A successful reply indicates that the user 12345678910 has successfully registered (Note: 000000 is the initial password).

For example: send SMS: ZC000000#12345678910

Reply: registered user: [1]123****8910;

Status query ZT

Function: used to query the current operation data and status of UPS (including input; output; battery voltage; load, etc.)

Send format： ZT

Application: edit SMS: ZT sends it to the mobile phone card on the alarm, and replies the current operation data and status information of UPS when it succeeds

For example: send SMS：ZT

Reply：Warm tips: the mains power of the equipment is normal, and the inverter power supply is available
Input voltage: 220V; Output voltage: 220V
Current load: 5%; Battery capacity: 100%
Internal temperature: 30 ℃

Query registered users CX

Function: used to query the registered mobile phone number.

Sending format: CX+ password

Application: edit SMS: CX000000 the mobile number sent to the device. After success, reply to the registered user's mobile number and user serial number, for example: [1]12345678910, and the user serial number is 1.

For example: send SMS：CX000000

Reply: registered users: enabled alarm push function: SMS; voice; WeChat;
Registered users:
[1]123****8910;;

Password setting PW

Function: used to set the administrator password of the alarm Only users who know the password can set the alarm and control the ups on-off.

Sending format: PW+ old password +# new password +# system name. Only 6-digit passwords and English system names are supported, and the maximum length of the system name is 10 letters or numbers.

Application: edit SMS: PW000000#123456#Junda mobile number sent to the device After sending, the setting value will be replied, indicating that the password has been changed to 123456 and the system name has been changed to Junda.

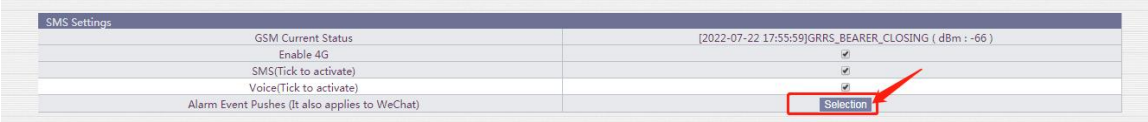
For example: send SMS：PW000000#123456#Junda

Reply: warm tips: your new password is: 123456, user name: junda
Please confirm. If there is any error, please reset it

Cancel alarm setting TZ

Function: it is used to cancel an alarm of ups. When this alarm occurs in UPS, it will no longer be automatically reported to the user by SMS.

Sending format: TZ+ password +# alarm number # status. Cancel when the status is 1, and enable when it is 0. The alarm number is the top 3 digits of the alarm content. View the alarm number. Click "select" through the alarm event selection to view the corresponding index



Application: edit SMS: TZ000000#051 or the mobile phone number sent to the device by TZ000000#051#1. A successful reply indicates that the automatic SMS alarm of alarm disconnection has been canceled. TZ000000#051#0 is sent to the mobile phone number of the device. A successful reply indicates that the automatic SMS alarm of alarm disconnection has been enabled.

For example: send SMS: TZ000000#051#0

Reply: 051: Cancelled alarm number

Unregister user QX

Function: used to cancel a user registered on the alarm.

Sending format: QX+ password + #user serial number When canceling multiple users, the serial number is listed in order.

Application: edit SMS: QX000000#1 sent to the mobile phone number of the device. If successful, user 1 will be canceled If you need to cancel the three users of user serial number 1, 2 and 4, edit the SMS: QX000000#124.

For example: send SMS: QX000000#1

Reply: warm prompt: the corresponding registered user has been cancelled according to the requirements

Dialing function settings BH

Function: each time you send an alarm message, you will call the user and voice play the alarm information

Sending format: BH + password +# status (BH regardless of case). It turns on when the status is 1 and turns off when it is 0.

Application: edit SMS: BH000000#1 send to the mobile phone number of the device, and turn on the dialing function when successful; Edit the SMS: BH000000#0 is sent to the mobile phone number of the device. If it succeeds, the dialing function will be cancelled. The default is on.

For example: send SMS: BH000000#0

Reply: warm prompt: the voice reminder function has been turned off in case of equipment alarm

SMS function settings ES

Function: turn on and off SMS alarm

Sending format: ES + password +# status (ES regardless of case). It turns on when the status is 1 and turns off when it is 0.

Application: edit SMS:ES000000#1 the mobile phone number sent to the device. If successful, the SMS alarm function will be enabled;

Edit SMS: ES000000#0 is sent to the mobile phone number of the device. If successful, the SMS alarm function will be cancelled. The default state is on. Do not cancel it unless there are special circumstances.

For example: send SMS: ES000000#0

Reply: warm prompt: the device alarm has turned off the SMS reminder function

Wechat function settings EW

Function: enable and disable wechat. Wechat is enabled by default

Sending format: EW + password +#status (EW regardless of case), status 1 is on, 0 is off

Application: edit SMS:EW000000#1 mobile phone number sent to the device. When successful, start wechat

For example: send SMS: ES000000#0

Reply: warm prompt: wechat function has been turned off on the device

Restore default settings QL

Function: remote password recovery, clear registered users The default value is 000000, and the system name is ups.

Sending format: QL+ password

Application: edit SMS:QL000000 the mobile phone number sent to the device. If successful, the default value will be restored

For example: send SMS: QL000000

Reply: warm tips: the device has been restored to the default value, initial password: 000000, user name: UPS

- **Remote control command**

Function: used to control UPS shutdown; Start up; Battery test and other functions. (UPS is required to support control commands)

Control instructions:

【UPS shutdown command】: Send format GJ+ password

【UPS Boot command】: Send format KJ+password

【Battery self-test for 10 seconds】: Send format CT+password

【Battery self-test to battery low voltage】: Send format CL+password

【Cancel battery self-test】: Send format QC+password.

Application: edit SMS: gj000000 the mobile phone number sent to the device. If successful, turn off ups

For example: send SMS: GJ000000

Reply: warm prompt: the device will be turned off in 2 seconds

Querying device information GLY

Function: query the hardware version and software version of the device.

Send format: GLY

Application: edit SMS: GLY the mobile number sent to the device. If successful, the default value will be restored.

For example: send SMS: GLY

Reply: the copyright belongs to M/s Magnizon Power Systems FZE,; Hardware: PCBA1932, software: R0.0.0-946, running time: 377 seconds

Query SIM card information GLC

Function: query IMEI of 4G module, CCID of SIM card, and RSSI signal strength of 4G module

Send format: GLC

Application: edit SMS: the mobile number sent by GLC to the device. If successful, the default value will be restored.

For example: send SMS: GLC

Reply: the copyright belongs to M/s Magnizon Power Systems FZE,;CCID:89860042191702465324,IMEI:860588045077701,RSSI:22

Querying device extension information ZE

Function: query temperature and humidity, IO expansion status

Send format: ZE

Application: edit SMS: ZE the mobile number sent to the device, and restore the default value when it succeeds.For example: send SMS: ZE

Reply: warm tips: temperature and humidity 2:0.00 ℃, 0.00%
Temperature and humidity 1:0.00 ℃, 0.00%

10 Matters needing attention

Q:Unable to log in to the device background web page through the IP address in the web browser

A:First, check the indicator light of the pro device to see whether the device operates normally, and then check whether the network port light of the pro device is normally on. If it is not on, it means that the network cable connection is abnormal. Please try plugging in and out the network cable again or replacing the network cable for testing. If the network port light is normal, confirm whether the IP of your computer and the cloud monitoring card are in the same address segment. You can use the CMD command to Ping the IP of the pro device directly. If the Ping fails, it means that the IP setting is incorrect. Please reset the correct IP address

Q:The data read from the background web interface of the pro device is 0, and the pro device cannot read the device data

A:First, check the indicator light of the cloud monitoring card and observe whether the equipment operates normally. If the e light is on, it means that the communication between the card and UPS is normal, and the flashing frequency is 2Hz, which means that the communication between the card and UPS is disconnected. If the e light is always on, but there is no data display, please check whether the dial switch 2 is turned to the on end. Normally, it should be at the off end. You can turn it back to the off end, and then power on the cloud monitoring card again. If the e light flashes, check whether the RS232 serial port cable is connected normally and confirm whether the

serial port cable is normal. If the serial port line is normal, you can use the ups supporting stand-alone software, connect the ups and computer with the serial port line, and check whether the ups supporting stand-alone software can read the data. If it cannot read, it means that there is a problem with the UPS serial port, please contact the ups manufacturer in time

11 Common problem

11.1 Troubleshooting method of UPS communication failure

①First, confirm whether the UPS device port and the computer can communicate normally, that is, connect the RS232 serial port of the UPS device to the computer, use the software of the UPS device to collect the data of the UPS device, see whether the data can be collected normally, and confirm whether the serial port is normal;

②Connect the monitoring module with UPS equipment：

（1）Observe the status of the indicator light of the monitoring module: if the indicator light e is always on, it means that the communication between ups and equipment is normal

（2）Check the dialing of the monitoring module: whether the dialing switches 1 and 2 are in the normal state (that is, they are both above. If not, turn them back and power on again;

③Check the connection between the monitoring module and the UPS equipment: that

is, the connection between the serial port line of the ups and the RS232 of the monitoring module (equipment disconnection: the serial port of the monitoring module cannot communicate with the UPS equipment, check whether the serial port line is normally connected);

④Check baud rate: monitoring module (baud rate in the "system setting" interface on the web page): whether the brand model of UPS provided above corresponds to the brand model of UPS equipment currently used

11.2 Forget the IP address: you can use the following two methods to solve it

11.2.1Set assistant tool set IP

Since this product is a network monitoring adapter, you must assign an independent IP address to this product before it can be used normally on the network. The default IP address is 192.168.0.100 (note that the IP address of the computer cannot be the same, and the computer should have a valid IP address).

After correctly installing and connecting ups ipguard, install and run the setting assistant software configassist in the supporting CD Exe (included in the windows folder of the CD, or double-click to open the CD to select the installation configuration tool).The operation interface is shown in Figure 1:

② Click the search button to search the currently connected device. (search automatically after software startup) the IP address, physical address, subnet mask,

gateway, hardware version, firmware version and other information of the currently searched device will be displayed in the "found device" column, as shown in Figure 1:

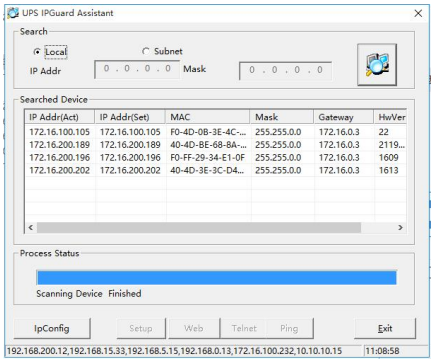


Figure 1

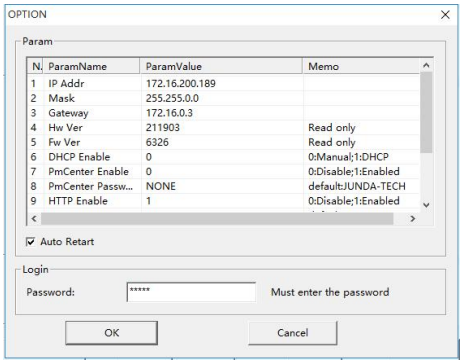


Figure 2

③Select the device to be modified in the list (the default IP is 192.168.0.100), and click "set"; Or double-click the device you want to modify. The option dialog box pops up, as shown in Figure 2:

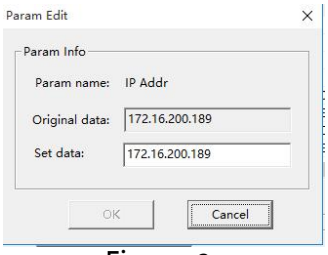


Figure 3

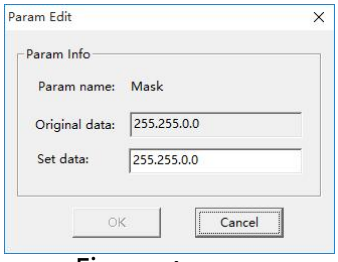


Figure 4

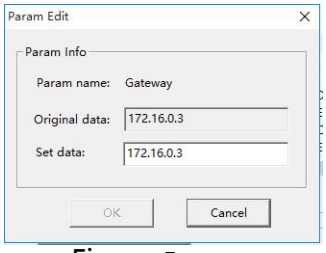


Figure 5

④ In the option dialog box, double-click the IP address item to pop up the IP address parameter modification dialog box, enter the IP address to be set in the new data, and click OK to confirm. The modification of subnet mask is the same as that of gateway. As shown in figures 3, 4 and 5:

⑤ After setting, return to the option dialog box, and the modified parameters (not effective) are displayed at this time; Select the automatic restart device item, enter the management password (admin by default), as shown in Figure 6, and click OK.

⑥ As shown in Figure 7, the newly set IP will take effect after the device is restarted. Re

search displays the new IP address.

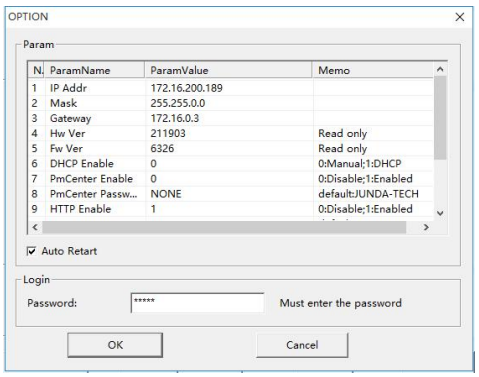


Figure 6

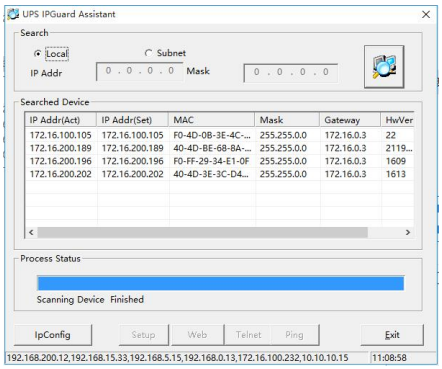


Figure 7

11.2.2 Dial dial 1 to the on end

Dial dial 1 to the on end (that is, restore the default ip:192.168.0.100), power on the monitoring module again, set the network segment of the computer to the same network segment as the default IP of the monitoring card, enter the default ip:192.168.0.100 in the browser, and you can normally enter the monitoring card web page to view the IP address set before the current monitoring card