Type:D

WRT®

A6S-801ZCD8S43

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. Suit for large community

2. Wall-mounted installation.

3. Touch operation.

4. 4.3" LCD Display, monitor the situation of the entrances.

5. Remote unlock

6. Can call the Guard Center, and send the emergency to Guard Center.

7. Call the other tenant for intercom

8. Divert and Mute Mode

9. Function for lift

10. 8 alarm zones with arm/disarm function.

11. Check pictures, SMS etc.

12. Support photo, music and video

13. Chinese/English

14. Remote update

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A6S-801ZCD8S43

Front View

Back View
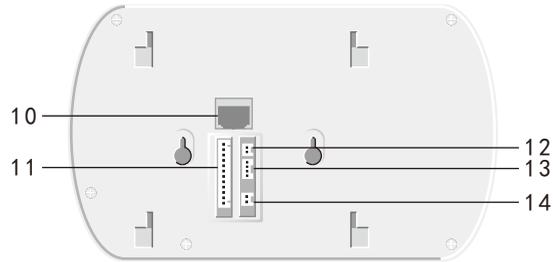
1.Microphone   2.Screen   3.Reset   4. Status indicator light

5. Alarm   6.Unlock   7. Answer∕Hang up   8.Speaker

9.SD Card port   10. Network port   11. Socket for Alarm sensor   12. Socket for lift

13.Socket for External doorbell/ External alarm button

14.Socket for +18VDC input

Equipment Description

1. Do not install the stations in any of the location with waterdrop, high temperature and dust.

2.We suggest the installation height to be 145 cm above floor.

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

4.Using wiring tube to avoid signal interference. Leave the terminals outside the tube for
   maintenance.

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

6. When it is energized, cut off power at once if there is any problem.

7. 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.
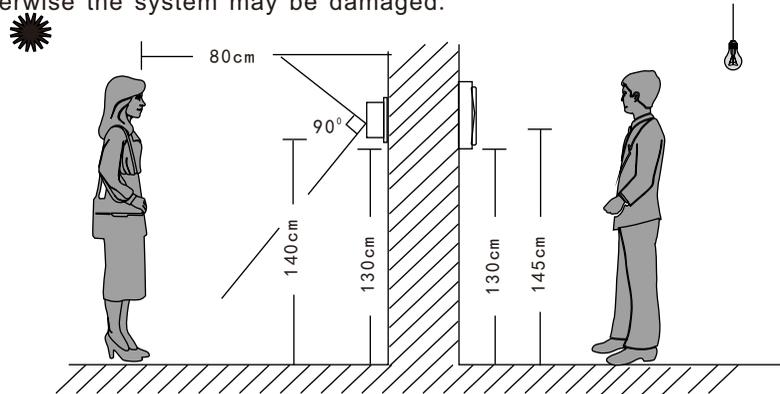
Installation

1. Make a hole at the height of 145cm and make sure it's fit for the bottom case. (Figure 1)

2. Insert the wires through the wiring hole,and fix the bottom case into the hole ,embed cement.(Figure 2)

Wall

Hole

Wires

Figure 1

Wall
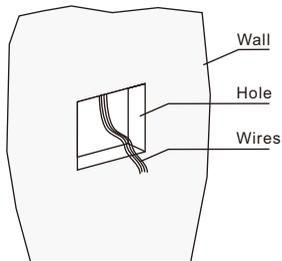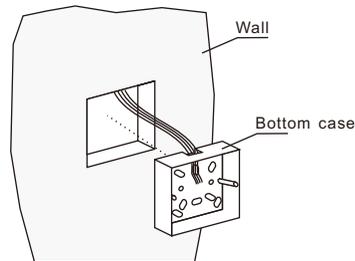
Bottom case

Figure 2

3. Fix the bottom case wit h2 screws and leave screws outside about 5mm.(Figure 3)

4.Connect the wires,then fix the door phone with four screws.(Figure 4)

Wall

Bottom case

Screws

Figure 3

Wall

Wire tube

分机

Bottom case

Bracket

Figure 4

WRT®
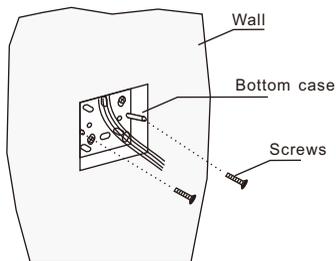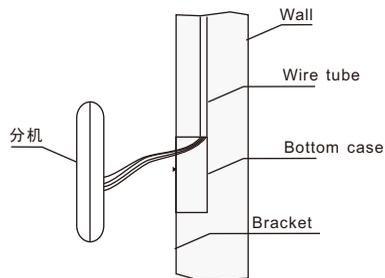
This door phone is operated by touching. It will boot normally after 30s when it is energized.

Touch the screen when screen turns off or in screen saver to enter the interface.

There are 6 icons: Intercom, Alarm, Service, Info, Settings and Media on homepage.

Touch" 🔲 " can turn off the screen, it will be in screen saver or shut down if there is no operation after 3 mins.

Settings

After connected door phone, should configure parameters before using. Press" 🔧 ",the screen shows:

Project settings: Set network parameters, Room NO.,software upgrade etc.

This item just for technician to use. Tenant can not modify to avoid normal use.

Operation

Basic settings:Set time,volume,ring,delay settings and other functions,as follows:

1. Time:Set date and time

Touch " Year":

Input the year, then click "OK" to confirm.

Set other date or time in same way.

Press " ←" to back to previous interface after all settings are finished.

Note：①. During this process, press "BSpace" can delete former character, press "Clear" to clear all characters.

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In network system, touch"Time Adjustment"to synchronize the time of door phone with Guard Center.

2. Sound: Set volume of ring tone,speaking and alarm.

Each volume with 5 levels,touch slide block to adjust volume.

After finished adjustment, press"←"to confirm and return.

3. Ring:Set ring tone of Guard Center,Entrance Station,Gate Station,Door Station,alarm and message

Door phone provide many kinds of ring tones, tenant can set different ring tones for different positions to recognize.

Select one entrance, such as"Guard Center", the screen shows:
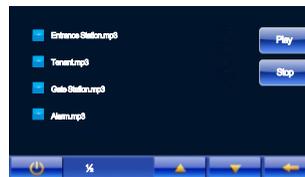
Select the ring tone（"✓"means selected）, press"Play"to play selected ring tone, Press"Stop"can stop playing. Press "OK" to confirm and set selected ring tone as incoming ring.

Press"➖"and " ➖ " to turn the page where there are many ring tones.

Press"←" to confirm and return after finished.

4. Appendix Function:Set sanpashot,screen saver ,key tone and language of door phone.
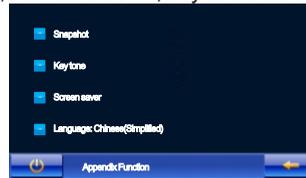
Select function you want,"✓" means enable, "➖" means disable.

Press"←" to save and return to previous menu after finished.

When snapshot function is on,Gate Station is calling door phone,it will automatic take a photo at the entrance after 5s and save in the device.When front door station is calling door phone,it will automatic take a photo at the entrance after 5s,save in device and report to Guard Center.

When key tone is on,there will be accompanying sound each time touch the screen.

When screen saver is on,door phone will enter screen protection status automatically when standby.

Touch language can switch between Chinese and English.

5. Delay Settings:Set ring time,arm delay time,report delay time and alarm ring time.

Ring duration(35-60)S   35
Arm delay(1-255)S   100
Upload delay(1-255)S   40
Alarm duration(30-300)S   300
OK   Cancel
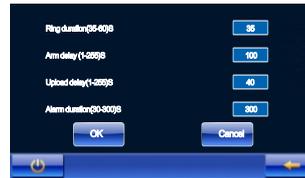
Input setting time, and press"OK" means set successfully.

Ring duration: Set ring duration of door phone when calling. If ring time more than 35s,it will provide 20s message function at the entrance.

Alarm delay: Set the time from start arming door phone to armed door phone successfully.

Upload delay: Set the time from door phone was triggered to report to Guard Center.

Alarm duration: Set alarm duration after door phone was triggered.

System Info: Check IP address of device, room NO.,software version etc.

System information
ID: 010010100100101
S/N
IP   192.168.100.36
Subnet Mask: 255.255.255.0
Gateway: 192.168.100.254
Gate Station IP: 192.168.3.181
1/4

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Operation
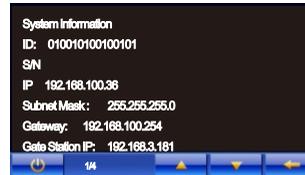
Operation

Alarm

Set up alarm zone and arm & disarm alarm zone.

There are two lines of indicator lights show on the behind of the main interface.Black means alarm zones

disabled, green means unarm, yellow means armed, red means there is a alarm.

Press"🔲" ,the screen shows:

Alarm Setting：Enable alarm zone before set. Touch "Alarm Setting" and input password(Original

password is "88888888") and press "OK" to confirm,then enter following interface:

Select function you want,"☑" means enable, "🔲" means disable. Press"OK" to confirm and save.

Press"←" to save and return to previous menu.

Password：Modify password of door phone. Touch "Password",the screen shows:

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Old password: Input previous password(Original password is"88888888"),press"OK"to confirm.

New password: Input a new 8-digit password, press "OK" to confirm.

Confirm password: Input the new 8-digit password again. press "OK" to confirm.

Press"OK"to confirm after all are finished. Door phone prompt"Modify successfully", it means new password is available.

Arm: Arm the enabled alarm zone. Touch"Arm", the screen shows:

Select zones you want to arm(" ☑ " means selected),then press "OK" to confirm. Door phone start to arm and "Du Du" sound can be heard. After reach the time of arm delay, it would arm successfully.

a>. All Select: Select all enabled alarm zones.

b>. All No:Cancel all enabled alarm zones.

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Operation

Operation

Note: ①. Can not arm the disabled alarm zone.

②. If Zone 1 and Zone 2 are enabled, they will stay in arming status at long-term.

Disarm(No alarm): Disarm all armed alarm zones. Touch "Disarm", the screen shows:

Please input password, if tenant input correct password, the screen will return to previous interface,it means disarmed.

①. Tenant can disarm armed alarm zone while unlock by password or card which has been registered.

Alarm record: Record arm/disarm and trigger alarm zone. As follows:
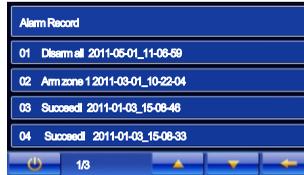
Door phone can record 200 alarm records,it will delete if exceed 200.

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Intercom

Can monitor, call, lift and message etc.

Press" ", the screen shows:

Call Room: Call other tenants. Touch "Call Room", the screen shows:

Input Group NO.,Building NO.,Unit NO.,Floor NO. and Room NO. to call the tenant you would like, then press "Call" button to call the tenant.

During the call, door phone will cut off automatically if there is no answer in ring duration. If answer,the conversation time is 120s.Press" " can hand up while calling or talking.

Note:①. When input number, 2-digit Group NO.,3-digit Building NO., 2-digit Unit NO.,3-digit Floor NO. and 3-digit Room NO..For example, Group 1 Building 1 Floor 2 Room 1 should input "01 001 01 002 001".

②. When input the number, if there is no Unit, please input"00" as Unit NO..

Call Center: Call and talk to Guard Center. Calling order is: Guard Station, back up Guard Station,Guard Cente

Operation

Touch " Call Center",the screen display call interface, it will cut off automatically if there is no answer in 30s.If answer in 30s,the conversation time is 120s.The tenant could delegate Guard Center to execute the service during the conversation. Press" " can hand up while calling or talking.

Monitor

Monitor List
1. Gate Station
2. Entrance Station 01
⏻   1/1   ▲ ▼ ←

Select the entrance to open monitor window to monitor the entrance for 30s,press" " to end monitor.

Lift: When connecting with lift, press" " to call lift.

Recorder

Touch "Recorder", the screen shows:

○	▷	□	✕
new Message_voc_2011-01-03_011-09-06.wav			
⏻ 1/1 ▲ ▼ ←			
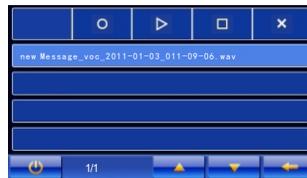
Door phone can save latest 20 recordings/messages,if exceed, the earlier ones will be deleted. Press " ○ " to record," □ " to stop recording," ▷ " to play the selected message(the selected ones would be blue) " ✕ " to delete the selected message," ▲ " and " ▼ " can turn the page.

Service :

Set divert on & No-disturb functions, if services are available ,ask for maintenance and check fee.

Press" ",the screen shows:

1.Divert : Turn on/off the service, or set the time.

Touch"Divert on", the screen shows :
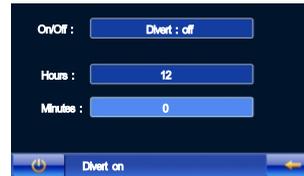
a>. On/Off: Turn on/off the service.

b>. Hours: Set the divert hours.

c>. Minutes:Set the divert minutes.

Press"←" to save and return after finished setting.

When divert is on, there is a call from door station, in the set time, the call will be diverted to center until tenant cancel the divert.

2.No-disturb: Turn on/off the service, or set the time.

Operation

Touch"No-disturb", the screen shows:

a>. On/Off: Turn on/off the service.

b>. Hours: Set the No-disturb hours.

c>. Minutes:Set the No-disturb minutes.

Press"←" to save and return after finished setting.

When No-disturb is on, there is a call from door station, in the set time, door phone will not rings until tenant cancel the No-disturb.

3.Fee check: When this service is available, door phone could request to check fee.

Touch"Fee check", the screen shows:

Click the item you need to check,it will send your request to center.If succeed,door phone will show the content.

4. Maintenance：When this service is available, door phone could ask for maintenance.

Touch"Maintenance", the screen shows：

Click the item you need to repair,it will send your request to center.If succeed, door phone will prompt

that the request has been sent to center.

Operation

Info

Check message,call log,video and snapshot.

Press"📺",the screen shows:

1. Message：Check message from center.Touch"Message",the screen shows:

Click the item you need to check(The selected one would be light blue),click one more time to open the message. ※

Door phone can save latest 200 messages, press"＿＿" to delete all selected messages,press "＿＿"
to turn pages.

When there is a unread message,status indicator light keeps on,and text icon on the bottom-right will
be lighted up.If there is a "new" in front of item,which means new message.

2. Call log：Check call log on door phone.Touch"Call log",the screen shows:

Call Log ✕

1 2011-01-01 15 : 30 G1 B1 Gate Station 1 call
2 2011-01-01 15 : 21 Guard Center call
3 2011-01-01 10 : 20 G1 B1 Gate Station 1 call
4 2011-01-01 07 : 30 G1 B1Gate Station 1 call

Door phone can save latest 200 call logs," ✕ " can delete call logs,press"➧➧" to delete all selected call logs,press "➧➧" to turn pages.

3. Video : Check video on door phone.Touch"Video",the screen shows:

Video Info ✕

Gate Station-2001-01-01_01-09-35.m4v
Gate Station-2001-01-01_01-10-21.m4v

1/1

Door phone can save latest 20 videos,"new"means new files. Click any one video(The selected one would be light blue),click one more time to play video. press"➧➧" to delete all selected videos, press "➧➧" to turn pages.

4.Snapshot:Check snapshot files. Touch"Snapshot",the screen shows:

Snapshot Info ✕

Gate Station-2011-01-01-05-47. jpg
Gate Station-2011-01-01-08-54. jpg
Gate Station-2011-01-01-09-35. jpg
Gate Station-2011-01-01-10-23. jpg

Door phone can save latest 200 snapshots,"new"means new files. Click any one snapshot(The selected one would be light blue),click one more time to open. press "➧➧" to delete all selected snap-

Operation

Media（SD card）

Scan photos and enjoy music&video on door phone.

Press"",the screen shows:

1. Photo

Touch"Photo",the screen shows:

Touch any one photo,the screen will enlarge the photo:

" ", " ", " " on the main interface mean enter previous list,return to previous interface,enter next list. If on photo interface,they mean enter previous photo,return to list,enter next photo.If no the 3 icons on display interface,tenant could click any place on the screen to display the icon.

Note：Photo support image format is JPG(below 5000x4500px)

Photos will order play after about 15s.

2.Music

Touch"Music",the screen shows:

Select the music you need to play("☑" means selected),press "▶" to play selected music,press

"■" to stop playing music,press "🔁" to play cycle.

Press"🔁",icon will become "🔂",it means continuous play the music.Touch again,icon will

become "🔀",it means random play music.

Press"▲" and "▼" to enter previous page and next page.

Note: Music support format:mp3,wav etc.

Touch"Video",the screen shows:

Operation

Select the video you want (Selected one would be grey),touch again to play the selected video.Touch the

screen one time can stop playing and return to previous interface.

Touch " ▲ " and " ▼ " to enter previous page and next page.

Note:Video support format :AVI、MP4、3GP etc.

Being Called & unlock

When Gate Station or Entrance Station or Front Door Station is calling, the door phone rings and the screen shows the situation at the entrance,

when snapshot function is on, it will automatic take the photo at the entrance after 5s.

Tenant press " ☎ "or " ☎ " can talk with the visitors, conversation time is 120s.Press" ☎ " can end the conversation. Press " 🔓 " or " 🔓 " can unlock during the conversation.

Press" 🔄 " can divert to center.

Press" 📷 " can record the video at the entrance,press again can stop recording the video.

2. When door phone receive the call from Guard Center and other door phones.When ringing,screen of door phone will turn on, tenant press" ☎ " or " ☎ " can talk with the visitors. Press " ☎ " to end the conversation.

Alarm

Press " 🔔 " or external alarm button at any time, it will alarm and send the message Guard Center.

Alarm processing：

When the alarm is triggered, door phone will ring, status indicator red light is flashing, the screen will turn on,status indicator light of the triggered alarm zones become red, red words prompt the alarm zones are triggered.

Tenant can check and cancel the alarm by door phones.

Fire, Gas

If there is a alarm, it will alarm on-the-spot, and send the message to the Guard Center at the same time .

IR, Door Contact

After armed, the alarm will not be processed in delay time, then check, if there is a alarm, not disarm in 40s, it will alarm on-the-spot and send the information to Guard Center.

Zone5, Zone6

It will check after armed,if there is a alarm, it will alarm on-the-spot, not disarm in 40s, and send the information to Guard Center.

Zone7, Zone8

It will check after armed, if there is a alarm, it will alarm on-the-spot, and report to Guard Center.

Press "disarm" ,input password can disarm.

Others

1. Door phone only can select NO Alarm Sensor Some alarm (control touch spots are open when no alarm ,control touch spots are connecting when there is a alarm).When connecting alarm sensor, touch spots of sensors should connect with -2. 2K resistance in parallel(Figure 1).When connecting resistance, should connect terminal of touch spots which is near sensor.Ports of each group sensor can connect with multiple same sensors to monitor multiple places,method is: Touch spots of Alarm sensor are connected in parallel (figure 2), No matter how many sensors are connected in same group,just need one to be added resistance. Please note the total current of connected alarm sensors can not more than 400mA, you have to add another power supply if more than 400mA.
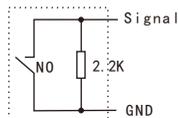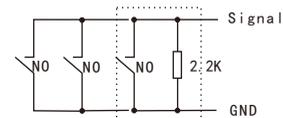
Figure 1   Figure 2

2.When there is no power on the plug, all function cannot be used, add a storage battery for video power supply.

3.There is a socket for connecting external alarm input.Usually,if the alarm input and GND short circuit, it will send the alarm to Guard Center.

4. External calling bell can be connected with door phone, press it and "Dingdong" sound will ring out three times.

5.Press node 1 and node 2 at the back of door phone for about 5s,then release, enter screen calibration function.

6.Use something slim to press reset button can restart door phone.

Specification

Voltage Input	+18VDC
Humidity	45%～95%
LCD	4.3" color LCD
Sensitivity	≤20mV
Distortion	≤5%
Back Light	Build-in
Static Current	≤230mA
Working Current	≤260mA
S/N Ratio	≥70dBA
Operating Temperature	$-15^{\circ}C$～$+55^{\circ}C$
Power Output	≥500mW
Screen Pixels	130560dots
Screen Size	diagonal 10.8cm(4.3")
Display Time	Max. 150s
Network Port	RJ45
Protocol	TCP/IP
Wiring Distance	Use a network switch or router in 100m, add a fiber optical tra
Dimensions	185x110x20mm

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Terminal mask		Description
Socket for node	Node 1	Make node 1 and node short circuit ,then release, can call the lift.
	Node 2	Make node 1 and node short circuit for more than 5s ,then release, can enter screen calibration
Socket for external alarm and doorbell	External doorbell	External manual doorbell button
	GND	GND
	GND	GND
	External alarm	External alarm signal button
Socket for power input	+18V	+18VDC voltage input
	GND	GND
Socket for external sensor and alarm signal output	1	Fire sensor ON/OFF signal input
	2	Gas sensor ON/OFF signal input
	3	IR sensor ON/OFF signal input
	4	Door contact sensor ON/OFF signal input
	5~8	User-defined sensor ON/OFF signal input
	GND	GND
	IR	Door phone provide IR sensor with 12V/0.5A voltage output
	Fire	Door phone provide Fire sensor with 12V/0.5A voltage output
	Alarm output	External alarm

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Trouble Shooting

Description	Check	Solution
Door Phone does not work	Check the power supply wire	Connect the wires correctly
Door Phone can not call & alarm to Guard Center	Check connection of the network wire. Check network parameters	Connect the network wire correctly and set network parameters correctly.
Door Phone does not ring when Gate Station call	Check connection of the network wire Check if the volume is the minimum or not Check if it is in no-disturb mode or not	Connect the network wire correctly, reset the ring tones and quit the No-disturb mode
Door Phone without monitor image	Check network parameters	Reset all the IP addresses
Detectors cannot alarm	Check if the alarm zones are enabled Check if alarm zone is armed or not Check the connection of the sensors.	Connect all the sensors correctly and reset door phones
Door Phones cannot call each other	Check if input correct number	Input the correct room numbers

To LAN

Zone 8　Zone 7　Zone 6　Zone 5　Door contact　IR　Gas　Fire

NO　GND　NO　GND　NO　GND　NO　GND　NO　GND　NO　+12V　ON　GND　+12V(External)　ON　GND　+12V

A6S-801ZCD8S43

To lift

External doorbell ca

External manual swi

+ OUT　External alarm　12V
- GND　GND

Speaker

PD-V18
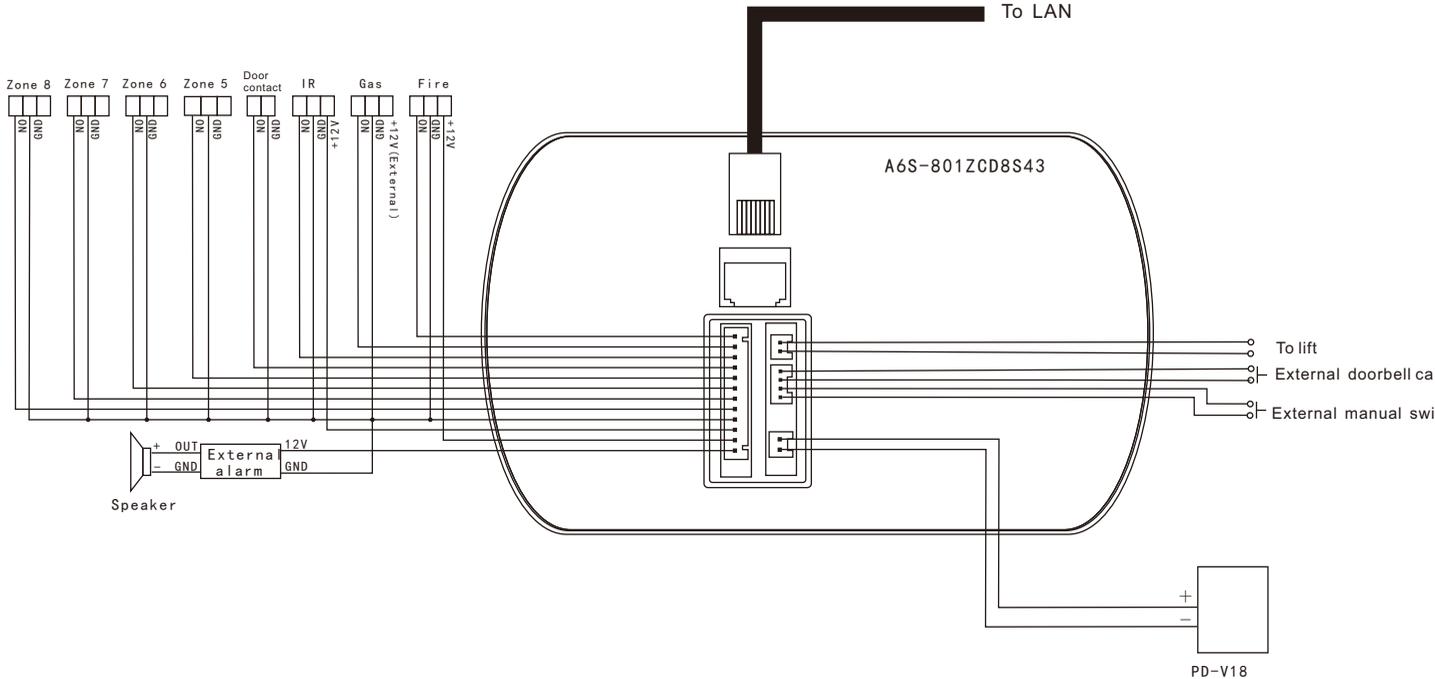
1. Alarm sensors are short-circuit NO type,be careful when connecting,see the instruction.

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