

Instruction (Version: H2)

Identifier
A/A H

WRT[®]

TZS-801ZCD8S7

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.

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WRT®

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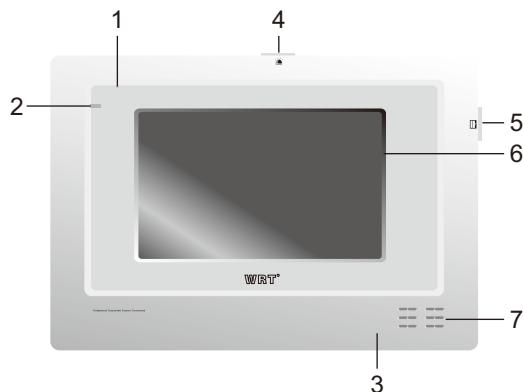
801 intercom systems is composed by building gate station, user door phone, PC and other equipments, which is based on TCP/IP. The system is with the technology of multichannel, every channel can work independently.

1. Suit for large community
2. Both mirror and aluminum appearances for select, wall hanging or wall mounted install.
3. 7.0" LCD Display, monitor the situation of the entrances
4. Remote unlock
5. Can call the Control Center; Control Center can know through the station if there is any emergence
6. Call the other tenant for intercom
7. Ringtone Download and Silent Mode
8. Function for lift
9. Divert
10. Home furnishings control (only for the Home Extension)
11. Check pictures, SMS ect.
12. Service for the convenience of the customers from the Control Centre is supported
13. Parallel Operation is allowed, at most 4 Indoor Monitors can be work together
14. Remote update

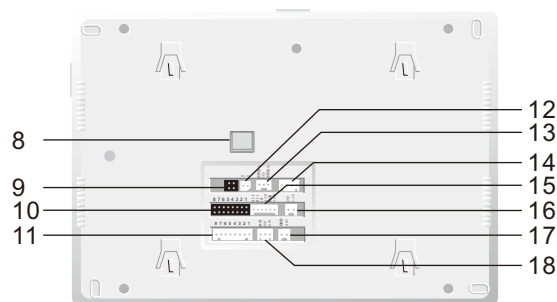
TZS-801ZCD8S7

WRT®

Front View

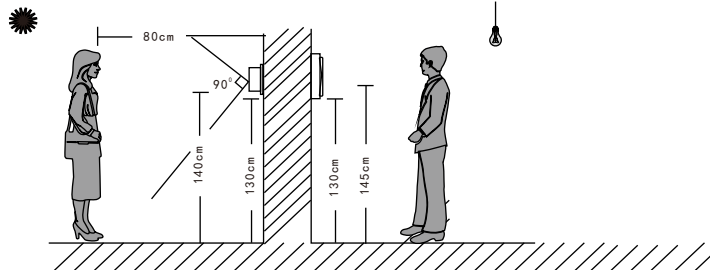


Back View



- 1.Microphone 2.Indicator LED 3.Build-in Volume Adjustment 4. Alarm 5.Lift 6.Screen
7.Speaker 8. Network port 9.Pin Socket for Alarm mode 10. Pin Socket for Alarm Detector
11.Socket of Alarm Detector 12. Socket of lift 13. External Socket for the power of emergence and alarm
select 14. Socket for Unit Module(Type:A,H) 15. Connection Socket for audio and data of the Front Door
Station 16. Connection Socket for video of the Front Door Station 17. Connect Socket for output of +180VDC
18. Socket for Fire Detector/PIR+12VDC/0.5A power output

1. Do not install the stations in any of the following locations, as it can cause fire, electric shock or unit damage:
 - High or extreme cold temperature area, under direct sunlight, near equipment that varies in temperature, in front of air conditioner, inside a refrigerated area, etc.
 - Places subject to moisture or humidity extremes (bathroom, cellar, greenhouse, etc.)
 - Places subject to environmental conditions, such as oil, dust, chemicals, salt, etc.
 - Places subject to constant vibration or impact.
 - Where noise-generating devices such as TV or radio are close by.
 - Places subject to steam or smoke. (Near heating equipment or cooking surfaces)
2. Be sure to cut off the power during installation.
3. Do not attempt to change or alter the equipment. It can cause fire or electric shock.
4. Do not plug or unplug with wet hands. Electric shock could result.
5. Do not use any power source other than specified. Fire or electric shock could result.
6. Make sure wires are connected properly before plugging in power supply.
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 might be damaged.



Installation

1. Make a hole in the wall prefer to the dimension of 86.0mm×86.0mm×30.0mm wall box. The bottom of the hole shall be 145mm above the ground. (This depends on the individual's height). Make a hole in the wall box and insert the wires into the wall box through the inlet. (Figure 1)
2. Make 4 screw holes according to the positioning card, and then drive the cement plugs into the 4 screw holes through the inlet. (Figure 2)

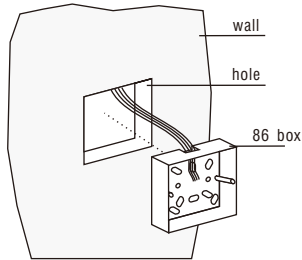


Figure 1

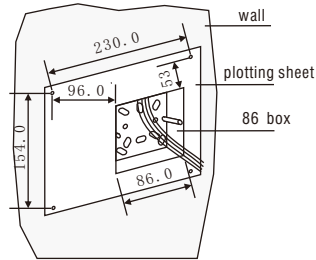


Figure 2

3. Use flat tool to open the front decorative cover. (Figure 3)
4. After connecting door phone wires, fix the door station on the wall with 4 screws. (Figure 4)
5. Fix the cover.



Figure 3

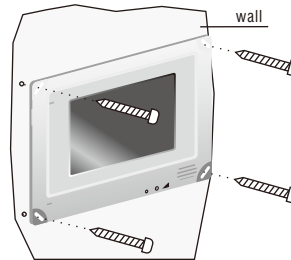



Figure 4

This station is operated by touching the key. It will boot normally after 30 seconds when it is energized.

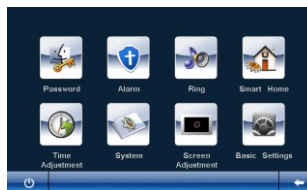
The Status LED will turn to green when standby. Touch the screen when it is in standby state, and can operate it again.



There are service, Monitor, Smart home, Call, Message, Home, Settings, Help icons in homepage. Touch  can turn off the screen, it will turn in screen saver or shut down if there is no operating after 3 mins.

Settings

Specification of the door phone must be set after connect well. Press “setting” icon, turn to the interface where you can set password, room number and so forth.

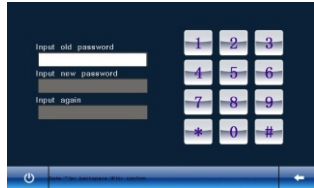


Password

Touch the icon of “Password”, and input the old password (input the PIN “88888888” for first usage), and press

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“#” key to confirm. If you forget the password, you can restore it to PIN through the Control Center.



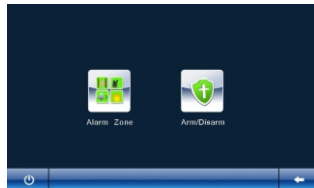
Alarm

There are two lines of alarm LEDs show on the up right side of the main interface. The arm is turned off when it is black; arm zones are not set up when it is green;arm zones are set up when it is yellow;there is a new alarm when it is red.

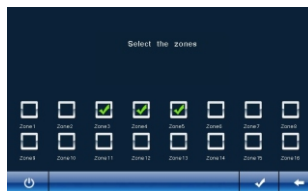
8 Alarm Zones in all, Zones 1 to 4 are for fire, gas, FIR and door sensor, 5 to 8 would be set by your own.

You have to set up the arm zones first.

Touch the “Alarm” icon, input the password and press “#” to confirm.



Touch “Alarm Zone” icon, click the zones to arm them and click ✓ to confirm, click the armed zones again to disarm them. Click ← to return to previous menu.

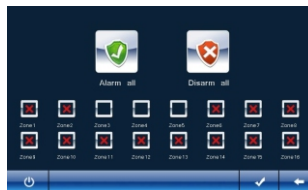


Arm/Disarm: it works only if it is “home” mode. Click the arm zone you need, and press ✓ , if “toot” sound is heard, the alarm LED turns to yellow. Click again the armed zone(s) you want to disarm and click ✓ to confirm for disarm purpose.

Alarm all: Click “Alarm all” and click ✓ to confirm.

Disarm all: Click “Disarm all” and click ✓ to confirm.

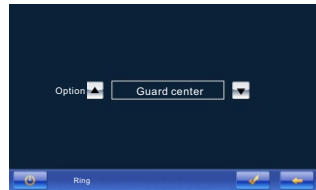
Note: Smoke and Gas zones will turn to arming status after setup.



Ring








Set ringtones for outwall station, gate station, outdoor station, intercommunication indoor monitors, alarm, message etc. Click “Ring”

Operation



Select the call in locations by “▲” or “▼”, and press ✓ to confirm,press ←to back to previous menu.



-  : Delete all ringtones (except for the default ring and locking ring)
-  : Delete the selected ringtones (locked ringtones can't be deleted)
-  /  : Lock/Unlock the selected ringtones.
-  : Play the selected ringtone.A dialogue box will show after click to remind user whether to set it.
-  and  : Slip up/down to check other ringtones.

Smart Home(Type A/H)---Set for the home automation function

The door phone can be used as control panel in RF wireless home automation system and ECB bus home automation system but the settings are different for the two systems.

RF wireless system

You should deploy the furnishings before using this function, the step is: Device Register, Device Settings and Scene Settings.

Touch “Home”, input the password and press”#” key, and touch “Device Register”.

Input Register code and press “√”.

Input RIU ID and press”#” to confirm.

Touch “Device Settings” and than touch or to select, and press “√” key to the next setting page.

Use or to select the devices, and input the Devices, Address R-type, R-add, sub and R-ID(press “*” key can delete the data), and press “√” to confirm.(Refer to the manual of home automation system for details.)

Scene settings

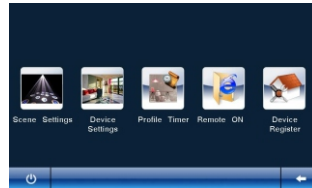
After this, users can control several devices at one time

Touch “Scene Settings”,select any mode you want. For example, select “Guest”,press”*”to delete the former information, press numbers to input new data. Set other scenes like this.((Refer to the manual of home automation system for details.)

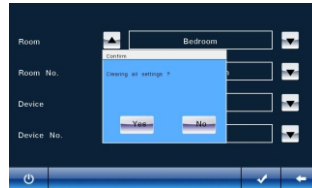
Operation

ECB BUS System

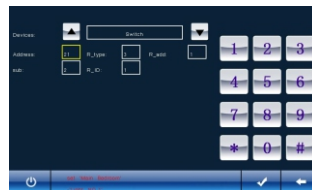
Input password to enter into smart home settings,it will display:



Device Settings: If there are settings before or default settings are not cancelled, it will show “Clearing all settings?” Yes or No for choices.



User press ▲ or ▼ to choose the room or appliance to control,and click ✓ to confirm and enter into appliance configuration interface,click ▲ or ▼ choose Cbus as devices type.



Input device address, sub device address, port address etc, click ✓ if it is infrared device.

Please note:

- 1.Device address is the first two-digital physical address No.in computer system; device sub address is the last two-digital physical address No.in computer system; port address is related to port No.
- 2.Input address according to decimal system (physical address and port No.in computer system is based on hexadecimal system) For example, set address No. for device which physical address is 1234, the 3rd port device address: $1 \times 16 + 2 = 18$, sub address: $3 \times 16 + 4 = 52$ port No.
- 3.It will update database in sensor every 60 seconds if there is a sensor system, and automatically show updated data on main interface.

Profile timer: Set one scene for the time point of everyday.

Click “Profile timer”,it will show:



Time adjustment: Adjust time to keep in accordance with center unit.

System: Check IP address and functions current status.

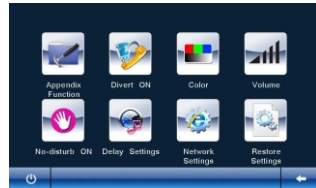
Screen adjustment: Adjust screen if there is any discrepancy.

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Restart: Press  to enter into screen adjustment menu if they system in running.

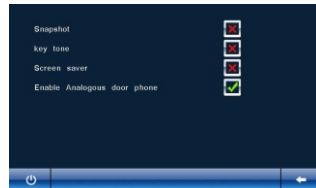
Basic Setting

Click “Basic Setting” to set “Divert On” “Color” “Volume” etc.



Appendix function: User can set snapshot, screen protection, keytone, connection with analog monitor etc.

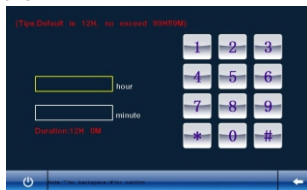
Touch “Appendix Function” to set snapshot, key tone, screen saver, enable analogous door phone and so forth. Touch the function you want to set,  means turn on,  means turn off, press  key to save the data and go back to previous.



The station will snapshot after 5 seconds while the station is calling the indoor monitor under the snapshot is on. It also snapshot after 5 seconds while the Front Door Station is calling, and the photo will upload to the Control Center for recording.

Divert on

Touch “Divert on”, input the time of it, and press “#” to confirm. Directly click # without any input of time, it will turn to be default “divert on” time 12 hours.



When there is a victor, the system will transfer the call to the Control Center under divert on.

Please note: when it is in out of disturb status and “Divert on” function is activated, it will cancel “No disturb on” status.

Cancel divert on status: click “Cancel divert on” and click confirm icon in divert on status.

Color

Touch “Color” to adjust brightness, contrast and saturation.

There are totally 100 levels, press ← to save the data and go back to the previous.

**Volume**

Touch “Volume”. There are totally 50 levels of the Ring Volume; 6 levels of the High Volume; 14 levels of the Low Volume; 60 levels of Speaking Volume; 50 levels of the Alarm Volume.

Press ← to save the data and go back to the previous.

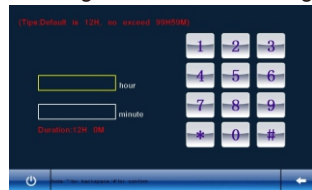
Operation



No-disturb on

Touch “No-disturb on”. Input the time, and press “#” key and confirm it. Directly click # without any input of time, it will turn to be default No-disturb time 12 hours.

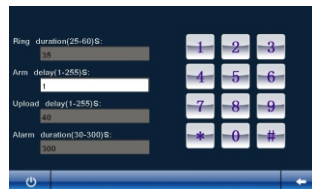
The bell will not ring after successful setting. The divert on setting will shut down when No-disturb on.



Cancel No-disturb on: The icon will turn to cancel No-disturb on status after setting successfully. User click “Cancel No-disturb on” and confirm it to cancel No-disturb on function.

Delay Settings

Touch “Delay Settings”. Input the time, and press “#” key and confirm it.



Network settings: Only operated by engineers, can be set according to the community network layout.

Restore settings: Default setting, input password and click # to confirm. Be cautious of this step! Please restart the device after setting all above.

Call

Touch "Call" icon.



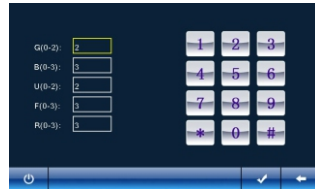
Guard Center: This function is used for calling the Control Center. If no answer, it will cut off automatically, or else the call can be kept in 2 mins.

Tenant: Touch "Tenant" icon.



Dial Format Setting: Set the length of the No. Input "RULE", and press "#" key to confirm.

Operation



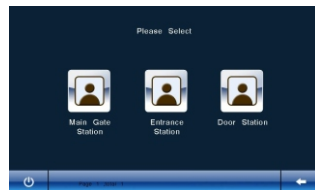
Input the numbers according to the tips, and press √ to save the data.

Call the Tenant: Input the Room No. according to the dial format you have set for the tenant. If no one answers, it will cut off automatically, or else the call can be kept in 2 mins. You can also add new contacts by inputting the Room No. of the tenant, and press “Add Contacts” to save. You can check the numbers by touching “Check Contacts”.

Duty Manager: Click it and call to lobby manager center.

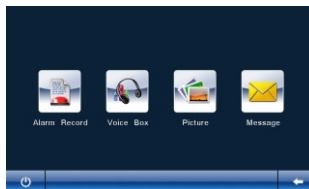
Monitor

The station can monitor 30 seconds. Touch “Monitor” to select “Gate Station”, “Sub Gate Station” or “Entrance Station” for monitoring. Use “Page up” or “Page down” to turn the pages, and touch ← to exit.



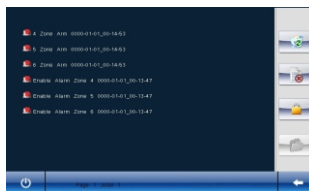
Messages

Touch "Messages".



Alarm Record

Touch "Alarm Record" to check the records, the screen will show while touched:



Delete all the records (except for the locking one)

Delete the records which have been selected (locking records can't be deleted)



: Lock the records which have been selected, to avoid to be deleted



: Unlock the locking records which have been selected, so that it can be deleted

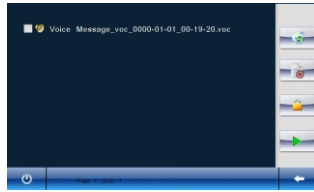


and : use for page turning when there are lots of records.

Operation

Voice Box

Touch "Voice Box" to check the records, the screen will show while touched:



: Delete all the voice records (except for the locking one)



: Delete the voice records which have been selected (locking records can't be deleting)



: Lock the voice records which have been selected, to avoid to be deleted



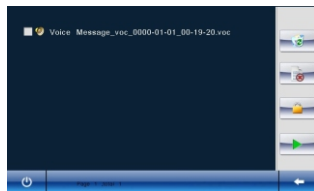
: Unlock the locking voice records which have been selected, so that it can be deleted



: Play and voice records which have been selected.

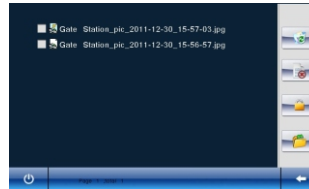



: Back to the previous menu.



Picture

Touch "Picture" to check snapshot pictures, the screen will show while touched:



 : Delete all the photos (except for the locking one)



 : Delete the photos which have been selected (the selected one would be turn to yellow)

 : Lock the photos which have been selected, to avoid to be deleted

 : Unlock the locking photos which have been selected, so that it can be deleted

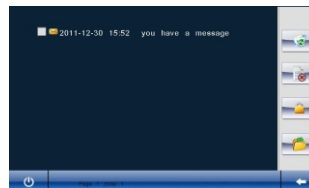
 : to take a look at the photo



 and  functions: use for page turning when there are lots of photos.

Message


Touch “Message” to check the records, the screen will show while touched:





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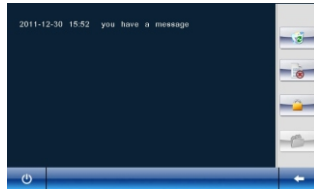
 : Delete all the messages (except for the locking one)


 : Delete the messages which have been selected (the selected one would be turn to yellow)

 : Lock the messages which have been selected, to avoid to be deleted

 : Unlock the locking messages which have been selected, so that it can be deleted

 :Open the selected message.Click the message,the color will become yellow from white,then click the icon to read the message.



 and  : use for page turning when there are lots of messages.

The LED will be turn to red when there is any new message.

Home/Outside

Express mode, one-key arm/disarm,convenient for users to control arm zones.

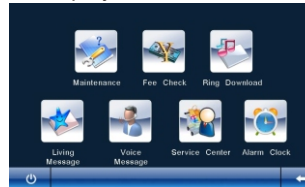
Click “Home” icon,then confirm it to set arm for all arm zones,they will start to work after delay time.

Click “Outside” icon,input password and click “#” to confirm,and disarm for the armed zones.

Service

All the service items will not work until the functions are all activated.

Click “Service” icon in main interface,it will display:

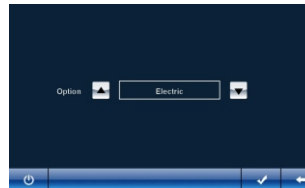


There are “Maintenance” “Fee check” “ring download” “Living message” “Voice message” “Service center” icons.

Maintenance: all the public system problems such as power supply problem, water supply problem, Kitchen problems etc .

Users can click “▲” and “▼” to choose the type of helping service

Then click “√” to send the signal to the guard center.If succeed, you will see a message box,click “OK” to confirm.



Fee Check: You can check the fee for water, electricity ,gas, management, drinking water and heating bills:

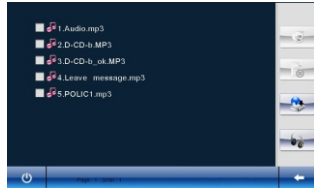
Click “▲” and “▼” to choose the type of bill, and then click “√” to check the bill.




Operation

Ring download:

To download the ring-tone offered from the guard center, please click the icon and you will see the following screen:



 : To download the ring-tone from the center to the door phone. You can set the ring-tone downloaded in Ring Setting.

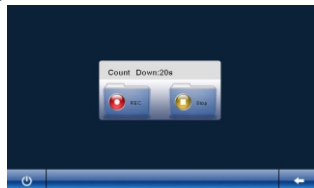
 : Download the ring-tone from the center to buffer and play.

 and  : When there are many ring-tones, press  to  turn the pages.

Living message: Ask for handy service from the center (Only when the center offer this service):



Voice Message: Leave a message



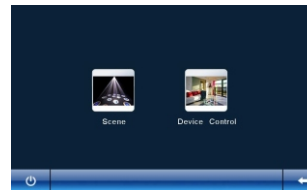
Click "REC" to leave a message. The voice message can last 20s. Click "Stop" to stop recording..

Service Center:Users can call the service center to get services. To realize this function, an IP telephone server and the telephone traffic platform.

Alarm Clock: Users can set alarming time under this menu.

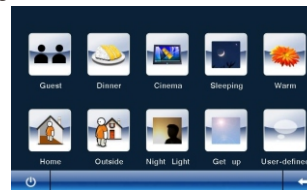
Smart Home

Touch "Smart Home"

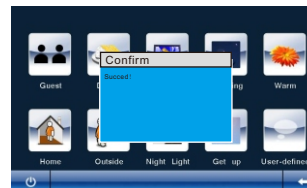


Scene

Select the scene you want by touching the icon.



For example, click "Guest" it will show:



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In ECB home automation system, “Guest” scene will work for devices with defaulted settings.”Dinner” scene controls all devices in scene 2 ; “Cinema” controls all devices in scene 3; “Sleeping” scene control all devices in scene 4; “Warm” scene controls all devices in scene 5; “Home” scene controls all devices in scene 6; “Outside” scene controls all devices in scene 7; “Get up” scene controls all devices in scene 8.

Device Control

Touch “Device Control”



Click  or  to select location and then select the device to control.

Being Called

When the Gate Station or Sub Gate Station or Front Door Station is calling, the station rings and the screen shows the situation of the doorway. Press “Intercom” to have a conversation with the visitor; Press “Snapshot” to take a photo; Press “Silent” to shut down the rings; Press “Hand Off” to end the call; Press “Unlock” while talking can release the lock. When the Control Center is calling, the station rings and the screen turns on. Press “Intercom” to have a conversation with the per-sonnel; Press “Silent” to shut down the rings; Press “Hand Off” to end the call. When the other Indoor Monitor is calling, the station rings and the screen shows

turns on. Press “Intercom” to have a conversation with the visitor; Press “Silent” to shut down the rings; Press “Hand Off” to end the call.

Emergence-handing

When there is alarm happened, the door phone will alarm during setting time. LCD turns on and the status indicator will be red at the same time. The indicator of the alarm zone will be red, and it will shows the red fonts to prompt this alarm zone: Resident can check and remove alarm by door phones. Press “disarm” on the arm interface, if it is fast mode, then do it by the fast mode; if it is separate control zone, then disarm by that.

Fire, Gas

If there dangerous, it will alarm under the “armed” state, and send the message to the Guard Centre at the same time .

PIR, Magnetic Contact

After armed, if don't handle the alarm during the arm delay time; then start checking, if there is arm happened, if don't disarm in 40s, then it will send the information to the guard center.

Zone5, Zone6

It will check after armed, if there is dangerous, the site will alarm, if don't disarm in 40s, it will send the message to guard center.

Zone7, Zone8

It will check after armed, if there is dangerous, the site will alarm, it will send the message to guard center.

Operation

Alarm

Press “🔔” or external alarm switch if you needed, it will alarm and send the message guard center.

Lift

There are two ways for you to select. Press “lift” under the “call” menu if the system is connecting the lift linkage.

When the door phone has connected to the lift, press “☒”.

Description of Door Phones connected to each other

The system supports a Main Door Phone can link with 3 Sub. Door Phones. The No. of the main door phone must be 01, and the sub. Door phones are 02—04.

- 1.No-disturb on/off, Divert on/off, you can set ringing time on any one of them.
- 2.Any one of the door phones can call or monitor separately.
- 3.All the phones can receive calls at one time. You can use and only use any one of them to answer. The other three door phones can receive other calls at this time. In a word, three door phones can receive calls from three different ways.
- 4, Door phones can connect with each other: input R1 (stand for the main door phone) /R2/ R3/ R4 +”#”, can call the relevant door phone. For example, call 01 door phone, input “R1#”
5. The door phones which have snapshot function will capture the image and save it.
6. Check the voice messages on the main door phone only.
7. Alarm handling, every door phone can handle different alarm zone and arm.

Others

1. Door phones Alarm Sensor connection: door phone can connect eight

groups Alarm Sensor. There are eight groups Alarm Sensor on the back of door phone, from right to left: Fire, Gas, PIR, Magnetic Contact and other four customize zones. You must choose right option according to specific condition when installing these socket: the socket which don't need to connect the Alarm Sensor should insert shock block, or it will alarm all the time; the pin block which need connect the alarm probe should unplug the short circuit block, or it will don't handle the alarm. There are open circuit and short circuit in the alarm sensors, when the way of alarm sensor is NO, should cascade a 2.2K resistance on the connection of alarm sensor. When the way of alarm sensor is NC, should connect a 2.2K resistance.

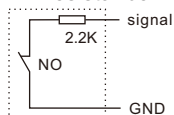


Figure 1

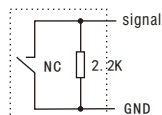


Figure 2

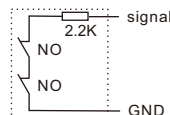


Figure 3

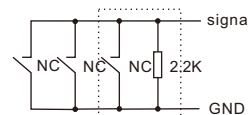


Figure 4

2. When there is no power on the plug, the door phone cannot work normally, add a storage battery is suggested.

3. There are socket for connect external alarm input, J1 and J13 pin socket at the back of the door phone. It turns to NC Alarm when J1 plug in but J13 unplug in short circuit, if the alarm input disconnect to GND, the station alarm. It turns to NO Alarm when J13 plug in but J1 unplug in short circuit, if the alarm input and GND short circuit, the station alarm.

4. External calling bell is possible to connect with indoor monitor, press it and “Dingdong” sound will ring out three times.

5. The icons in top right corner of monitor reflect its functional status, the icons will show if monitor network connection is stable, not disturb function opens, new unread message or recording voice, there is an alarm from arm zones if alarm sensor is enabled.

Operation

Products functions.

Type Function	Type A	Type A, H
LCD	7.0 inch	7.0 inch
Call	Yes	Yes
Intercom	Yes	Yes
Unlock	Yes	Yes
Monitor	Yes	Yes
Alarm	Yes	Yes
Smart Home		Yes
Arm/Disarm	Yes	Yes
Lift call	Yes	Yes
Message	Yes	Yes
Divert-on	Yes	Yes
No-disturb	Yes	Yes
Help	Yes	Yes
Ring download	Yes	Yes
Multi monitors	Yes	Yes
Remote upgrade	Yes	Yes

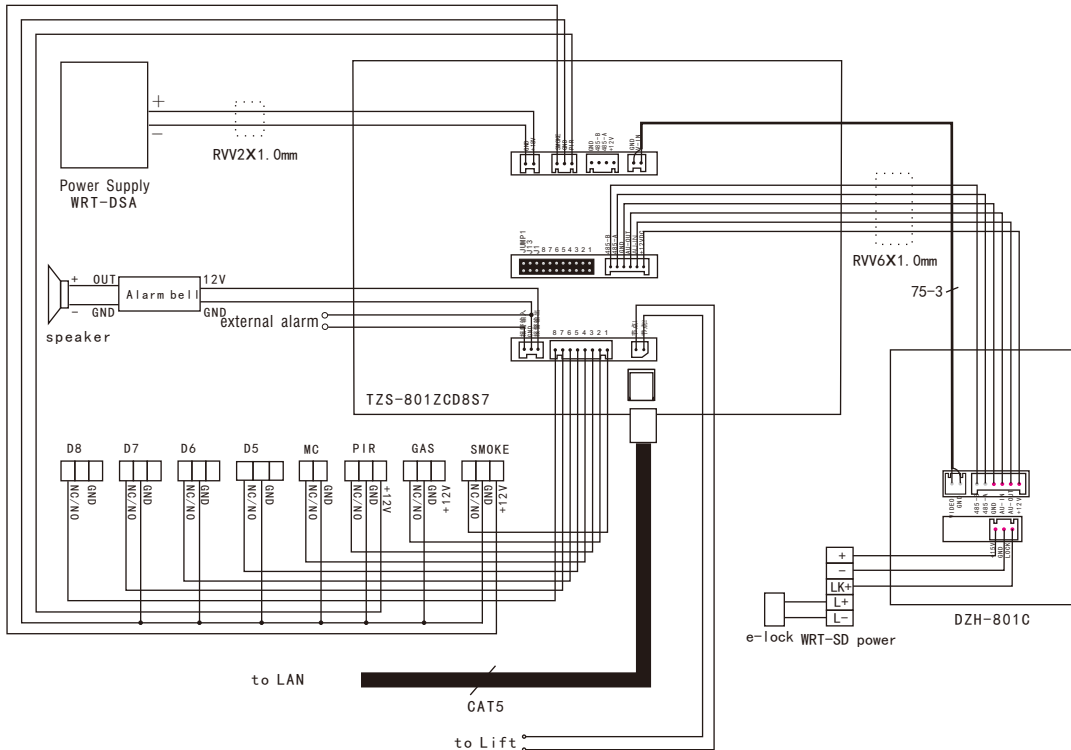
Voltage Input	+18VDC
Humidity.....	45%~95%
LCD	7.0" LCD
Sensitivity	≤20mV
Distortion	≤5%
Back Light	Build-in
Standby Current	200mA±20% (LCD Closed)
Working Current	350mA±20%
S/N Ratio	≥70dBA
Operating Temperature	-10°C~+55°C
Visual Angle	12 dots
Signal System	PAL/NTSC
Power Output.....	≥50mW
Number of Pixels.....	384000 dots
Screen Size.....	diagonal 17.5cm (7.0")
Time Out Period	85-180s
Network Port.....	RJ45
Way of Transmission.....	TCP/IP
Transfer Distance	use a decoder or router in 60m, add a fiber optical transceiver over 60m
External Dimensions	255x178x32mm

Terminal Description

Terminal Marks		Description
Socket of Alarm	ALARM OUTPUT	External Alarm
	GND	Ground Wire
	ALARM INPUT	External Emergency Button
Socket of lift	POINT 1	Lift Control Signal
	POINT2	
Socket of Front Door Camera	VID-IN	Vedio Signal Input
	GND	Ground Wire
	+12VDC	+12VDC Voltage Output
	AU-IN	Audio Signal Input
	AU-OUT	Audio Signal Output
	GND	Ground Wire
	485-A	485-A Data Line
485-B	485-A Data Line	
Socket of Power Supply Input	+18VDC	+18VDC Voltage Input
	GND	Ground Wire
Socket of Detectors supply power	PIR	Door Phone supplies +12VDC power to PIR
	GND	Ground Wire
	FIRE	Door Phone supplies +12VDC power to Fire Detector
Socket of Sensors	1	Fire Detector switch signal input
	2	Gas switch signal input
	3	PIR switch signal input
	4	Magnetic Contact switch signal input
	5~8	Custom switch signal input

Description	Check	Solution
Door Phone does not work	Check the power supply wire and the indicator LED	Connect the wires correctly
Door Phone can not call & alarm to Control Center	Check connection of the network wire. Check the specification.	Connect the network wire correctly and set the specification correctly.
Door Phone does not ring when Gate Station call	Check the wire connection Check the volume Check if it is in no-disturb mode	Connect the network wire correctly, reset the ring tones and quit the No-disturb mode
Door Phone shows no image	Check the specification of network	Reset all the IPs
Detectors cannot alarm	Check the defence zones. Check the connection of the detectors.	Connect all the sensors correctly and reset door phones
Door Phones cannot call each other	Check if input correct number	Input the room numbers correctly

Wiring



1. Defence Zone 1~4 can connect the short circuit or open circuit probe, but could not be connected to the pulse signal probe as the switching signal time is more than 200 millisecond.
2. There are two ways of connection: NO mode and NC mode. Please connect correctly by reading the operation pages in this instruction.

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