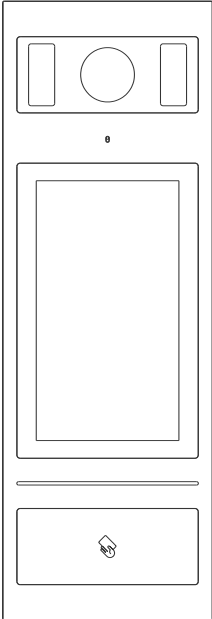


Outdoor Station



7" Touch Panel Outdoor Station T-OS14

Attentions

1、 Please keep devices away from strong magnetic field , high temperature , wet environment ;



2、 Please do not fall the devices to the ground or make them get hard impact ;



3、 Please do not use wet cloth or volatile reagent to wipe the devices ;



4、 Please do not disassemble the devices.

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Unit 1 Overview

This product is an outdoor station of 2 wire analog video door phone system. It is connected with indoor stations in the system by 2 core wire. And it supports access control with IC card.

1.1 Functions and Characteristics

- Support video intercom and unlocking
- Support real-time monitoring
- Door status detection, and unlock state timeout alarm
- Tamper Alarm
- Support IC card
- Support external camera

1.2 Parameters

Working Parameters

Working Voltage : DC 24~32V	Static Current: ≤90mA(DC 30V)
Working Temperature : -25°C~55°C	Working Current: ≤ 400mA(DC 30V)
Storage Temperature : -40°C~70°C	Dimension(W/H/D): 365×125×44.6mm

Camera

Camera Type: CMOS	Pixel: 30W
View Angle: Diagonal 70°×50°	Min. Illumination: 0.1 lux
Focal Length: 2.5mm	Fill-in Light Type: white
Adjustable Angle: up/down/left/right 10°	

Unit 2 Appearance and Interface

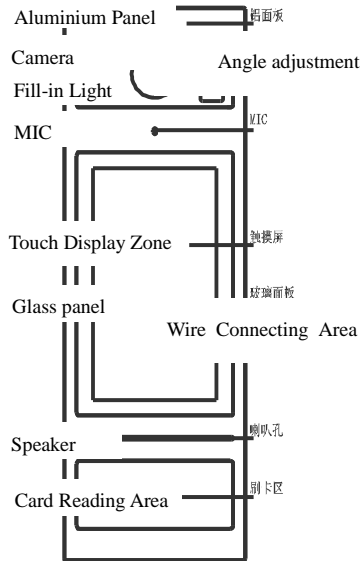
2.1 Appearance

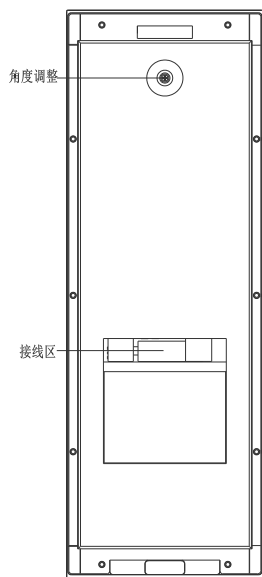


Front View



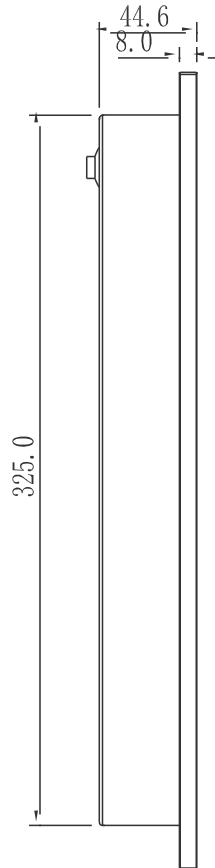
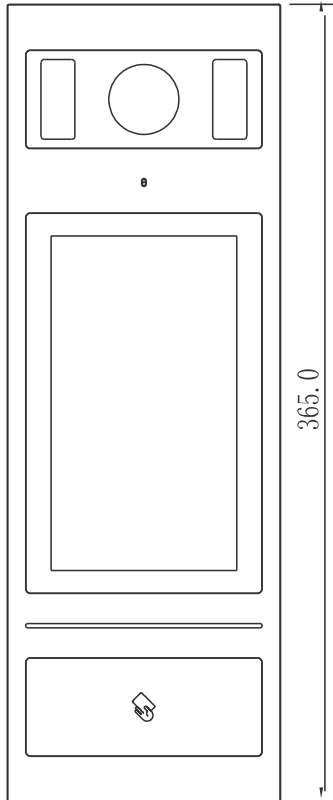
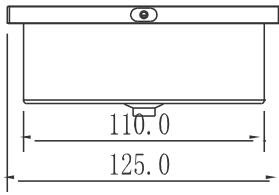
Rear View





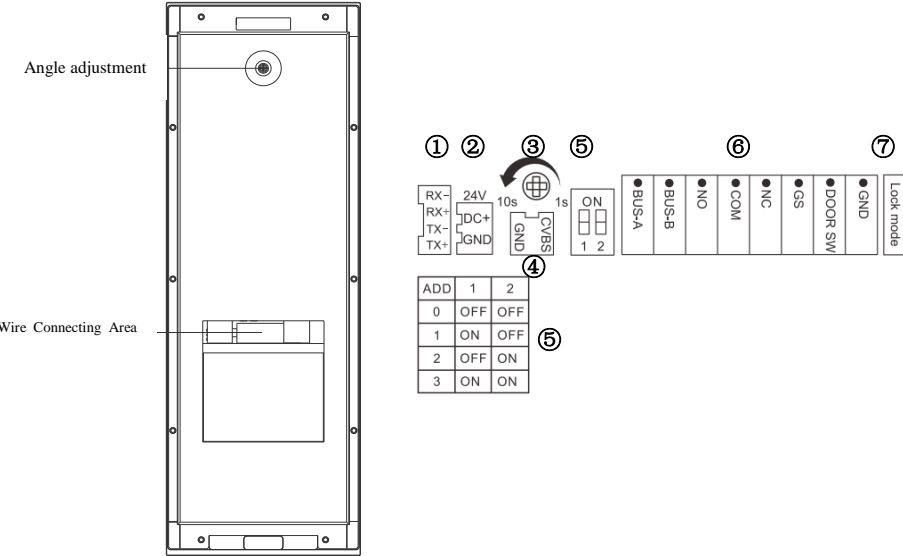
BELLUAGIO
INTERCOM

2.2 Dimension



BELLUAGIO
INTERCOM

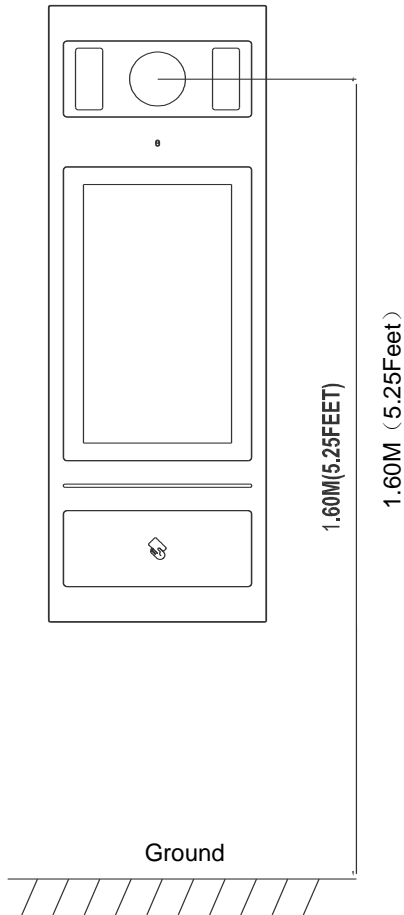
2.3 Interface Introduction



- ① Network interface (1: TX+,2: TX-,3: RX+,4: RX-)
- ② DC+GND: independent power supply input
- ③ Unlock time adjustment, please check “4.6 unlock time setting”
- ④ External camera
- ⑤ Outdoor station address (ADD) setting, please check “4.8 ADD setting”
- ⑥ BUS-A,BUS-B: BUS interface
 - NO,COM,NC: normally open pin,common pin,normally closed pin
 - GS: Door status detection
 - DOOR SW: door unlock switch inside
 - GND: common ground
- ⑦ Lock mode: power supply for external electronic lock

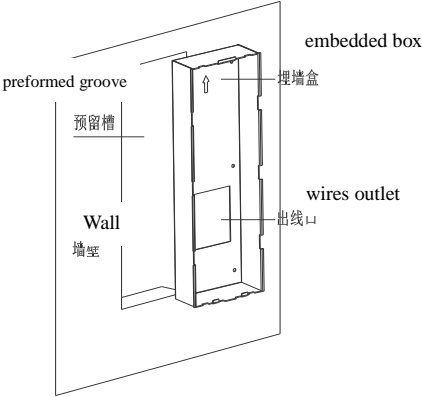
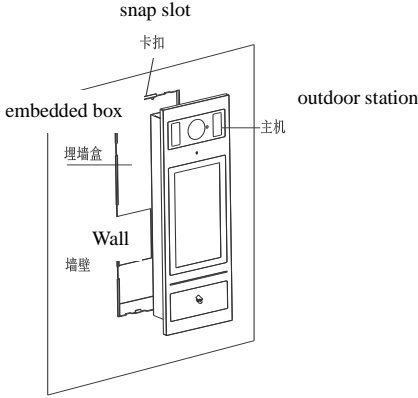
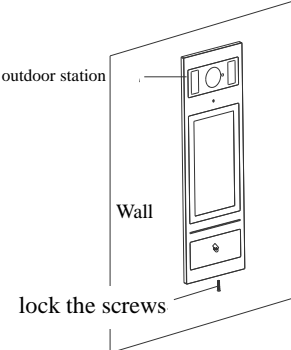
Unit 3 Installation

3.1 Installation Height

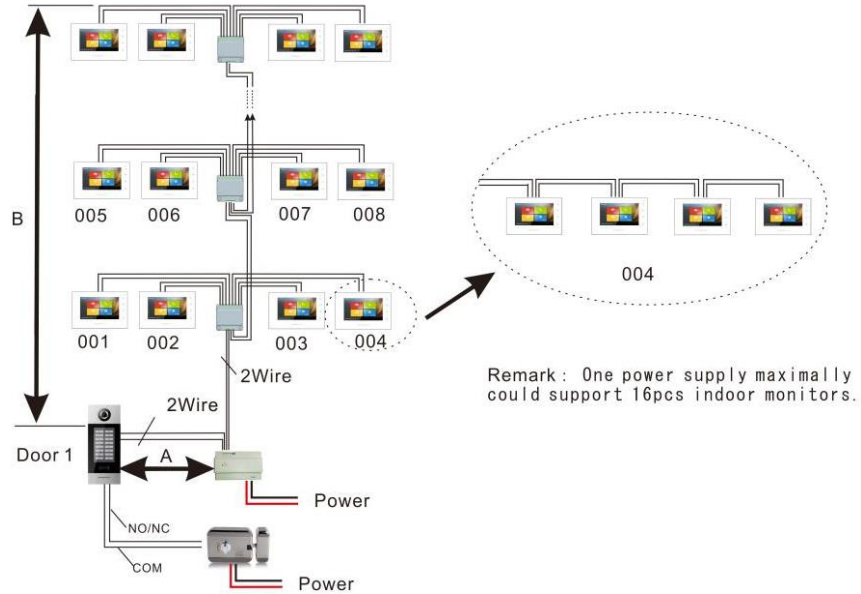


Suggested height for installation: camera is 1.6m above the ground

3.2 Installation Steps

 <p>preformed groove 预留槽 Wall 墙壁 embedded box 埋墙盒 wires outlet 出线口</p>	<p>Step 1: put the embedded box into the preformed groove inside the wall, make the installation cables go through the wires outlet, and fix the embedded box with wall nails or cement.</p>
 <p>snap slot 卡扣 embedded box 埋墙盒 Wall 墙壁 outdoor station 主机</p>	<p>Step 2: After connecting the cables with the outdoor station, push the outdoor station into the embedded box. After that, push up the outdoor station to make the snap slot of outdoor station and embedded box match each other.</p>
 <p>outdoor station 主机 Wall 墙壁 lock the screws 锁紧螺丝</p>	<p>Step 3: Lock the screws from the bottom of the outdoor station, tighten the screws to finish the installation.</p>

3.3 System Wiring



Remarks:

1. The maximum quantity is: 1pc power supply+ 1pc outdoor station+4pcs distributor+16pcs indoor station;
2. Support multiple indoor monitors(maximum Qty is 4pcs) in one apartment, address of all indoor monitors in one apartment should be same. **Wall**

Outdoor Station

Attention: When there's multiple monitors in one apartment, only one can be set as main indoor monitor, otherwise there will be an overcurrent. Please check the interface introduction for how to set a main indoor monitor.

3. **Step 3:** Fasten the outdoor station on the box in one apartment and after they are called, all indoor monitors will ring at the same time but only the screen of the main indoor monitor is turned on, and after one of the monitors pick up the call, all monitors hang up. **Screws**

4. Power supply is limited, so only 2 monitors are allowed to be operated at the same time(monitor quantity on intercom function is not limited). **Wall** **Screws**

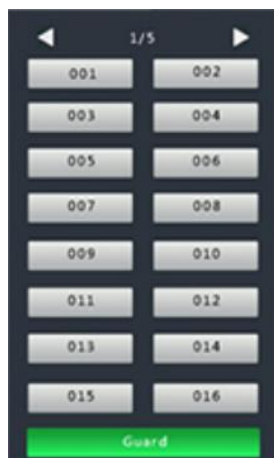
5. Wiring method with distributors(Star wiring) on above picture , Bus wiring(Hand in hand wiring) shown as right part of above picture are recommended.
6. Wiring distance A is the maximum length between outdoor station to power supply.Wiring distance B is the total length from power supply to the last indoor monitor. Wiring length of different kinds of wire is as below:

Specification	(A+B) length/m
RVV 2*0.75mm ²	110
Twisted pair	160

Unit 4 Operation Instructions

4.1 Call In Push Button Mode

In standby state of push button mode, visitors can directly press the name tag(001~200) to make the call, and the device will enter calling interface with ringback. If no answer from the resident within 3s, it will return to standby state with 3 rapid “Beep”.



Standby state of push button mode

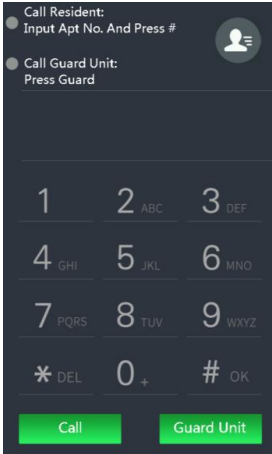
4.2 Call In Keypad Mode

In standby state of keypad mode, visitors can input apartment No. and then press 

or **Call** to make the call, and the device will enter calling interface with ringback.

If Indoor Monitor is offline, it will return to the standby interface with “Beep” rapidly in 3 times.


If Indoor Monitor is online, it will begin the calling count down and start to play the ringback.

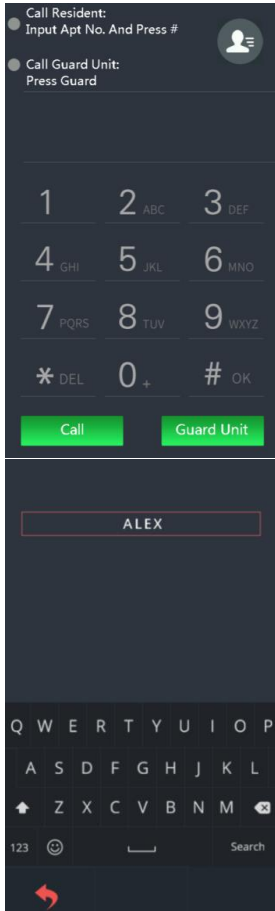


Standby state of Keypad mode



Remark: The device is using Push button mode as default, users can set DIP Switch as backside to be 0 and input the correct password to enter configuration setting for mode switching. Detailed call mode setting refer to page 18.

4.3 Name list In Keypad mode

In standby state of keypad mode, visitors can press  to the show the name list(list needs to be imported by PC configuration tool in advanced).



Standby state of Keypad mode Name list Interface Name searching Interface

Visitors can press the exact name in name list to make the call, or click the **input box** to search the resident's name, when the searching is done, click  or  to

trigger the search, make the call by pressing the name.

If the device is online, it will begin the calling count down and start to play the ringback.

4.4 Call Guard Unit

In standby mode, visitors can press Guard Unit to call Guard Unit.

4.5 Unlock

1) By Swiping Card

Swipe the registered card to the card reading area to unlock the door, and Outdoor Station will show “door opened”.

2) By Indoor Monitor

Residents can unlock the door from Indoor Monitor when Outdoor Station is calling or being monitored by Indoor Monitor, and Outdoor Station will show “door opened”.

3) By External Button

There is a interface for integration of external push button, when connected, a normal push button can be used to unlock the door.

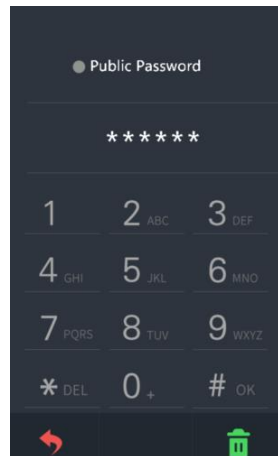
4) By Public Password

If this function is activated, residents can press # OK and wait for 1s to enter public password interface.

Public Password Unlock Interface


In public password interface, input public password and press # OK to unlock the door.


Remark: 1. Default Setting for Public Password Unlock function: Deactivate



2. Default Public Password: 666666

5) By User Password

If User Password Unlock function is activated, residents can press  and wait for 1S to enter public password interface.

In User Password interface, input Apartment No. and related password, then press  to unlock the door.

Remark: User password needs to be imported by PC configuration tool, detailed setting refer to PC configuration tool instruction.

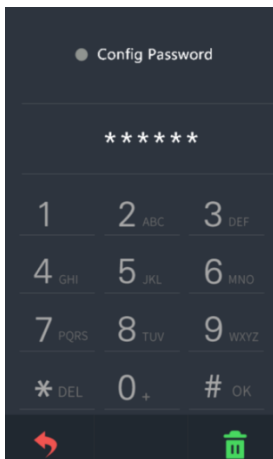
Unit 5 Settings

5.1 Setting Login Interface

In standby mode, users can press  to enter setting login interface.


Default configuration password: **801801**.

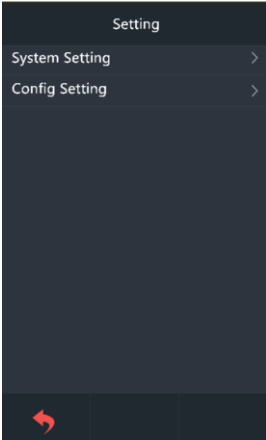
Remark: Users can also enter setting login interface by swiping administrator card.



Setting Login Interface

5.2 Main Setting Interface

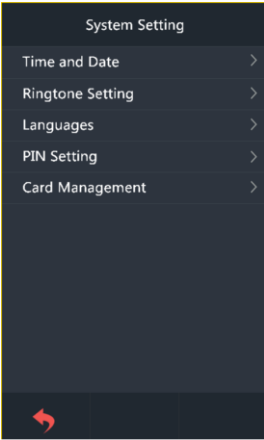
After inputting the correct configuration password and , main setting interface is shown as below:



Main Setting Interface





Unit 6 System Settings

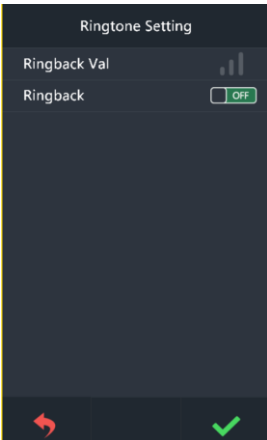
System setting includes Time Setting(reserved), Ringtone Setting, Languages, PIN and Card Management.



System Setting Interface



6.1 Ringtone Setting

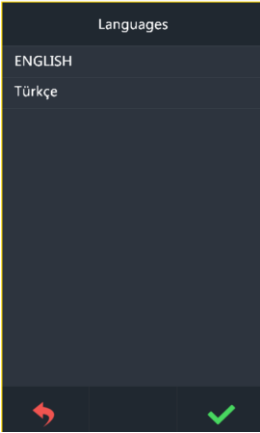
Ringtone setting interface is shown as below, users can press  to adjust volume, press  to turn on / off mute function. After setting is done, press  to save and press  to return last page.



Ringtone setting Interface




6.2 Language Setting

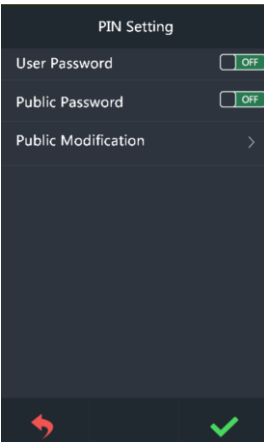
Language setting interface is shown as below, users can select the language and press  to confirm, press  to return last page.



Language Setting Interface

6.3 PIN Setting

Password setting includes: User Password, Public Password and Public Password Modification. Users can press  to turn on / off unlocked by user password or unlocked by public password. Press  to confirm or press  to return last page.



PIN Setting Interface

6.4 Unlock Time Setting

There is an adjustable potentiometer on the back side of the outdoor station(No.③), unlock time can be adjusted by ratio of 180°from 1 second to 10 seconds, lengthen in

anticlockwise direction, shorten in clockwise direction.

6.5 ADD Setting

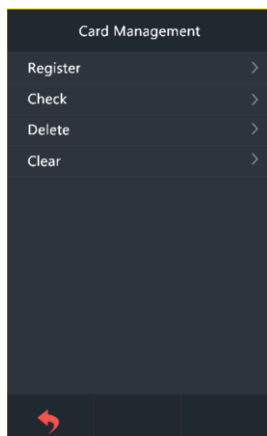
There is a DIP SWITCH at the back of the outdoor station(⑤), the method of setting is as below:

1	2	ADD
OFF	OFF	0
ON	OFF	1
OFF	ON	2
ON	ON	3




Note: It enters setting mode when ADD is 0.

6.6 Card Management

Card management includes register, check(card information), delete, clear(delete all).




Card Management Interface

Swipe a card or input the card number to register, after registering finished, press  to confirm, or press  to return last page. While inputting card number, users can press  to delete each number. The operation of card deletion is same as card registration.

Remark: Capacity of registered card: 2000 cards maximum



Users can enter "check(card information)" to check all card numbers and the quantity of

registered cards.


Press   to page up/down the card numbers.



Check	
NO.	Card ID
1	1234456789
1	1234456789
1	1234456789
1	1234456789
1	1234456789

◀ 1/2 ▶

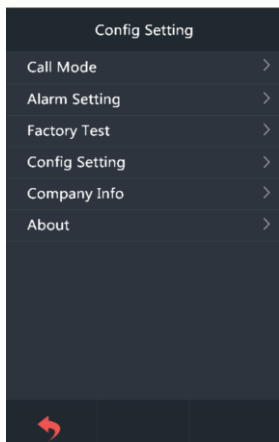
Card Information Interface

If you choose , a message will pop-up to confirm the operation(delete all), press

 to confirm the operation, or press  to return last page.


Unit 7 Configuration Setting

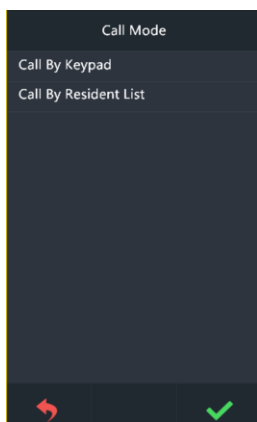
Configuration setting includes Call Mode Setting, Alarm Setting, Factory Test, Configuration Setting, Company Info(reserved) and Device info. Users can press each icon to enter a particular setting.



Configuration Setting Interface


7.1 Call Mode Setting

Call Mode Setting interface is shown as below, users can choose each of the dialing method by pressing their icon, then press  to confirm and the call mode is set.



Call Mode Setting Interface

7.2 Alarm Setting

Alarm setting interface is shown as below, users can press  to turn on/off anti demolition alarm. The alarm will ring when Outdoor Station is being disassembled by external force. Currently this model does not support tamper alarm function. The

tamper alarm setting in the software is not workable.



Alarm Setting Interface

7.3 Door Status Detection

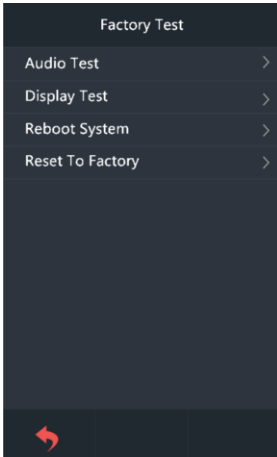
With this function, there will be alarm warning if there's overtime door open status(more than 120 seconds).

7.4 Factory Testing

There are various testing programs on factory testing interface, most frequently used are "Reboot System " and "Reset To Factory".

When choosing "Reboot system", choose "confirm" on pop-up box to restart system.

When choosing "Reset To Factory", choose "confirm" on pop-up box to restore the system as factory setting, using push button mode, all settings (For example the device properties , volume etc.) will be restored as factory setting.



Factory Test Interface

Remark:

1. Resetting device within 60s after power on, all data will be erased (name list, card list, private unlock password);
Resetting device after 60s since power on, it will only restore factory setting.
2. After resetting, the first registered card will be treated as Admin card.