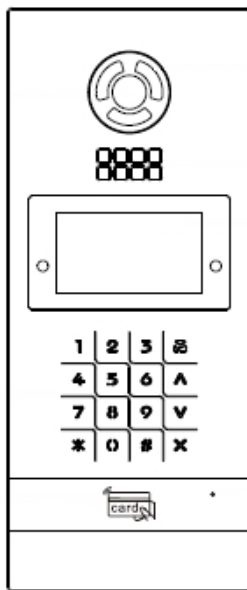


Installation and Operation manual



Model:PRO 5004IP

Outdoor Panel

■ Remark

Please follow the user manual for correct installation and testing. If there is any doubt please call our tech-supporting and customer center.

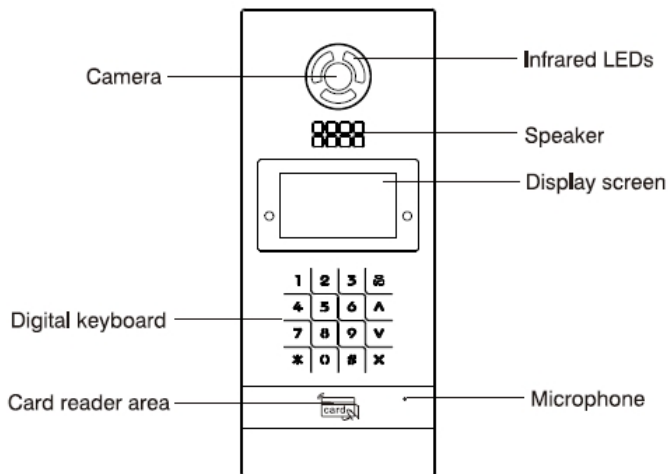
Our company applies ourselves to reformation and innovation of our products. No extra notice for any change. The illustration shown here is only for reference. If there is any difference, please take the actual product as the standard.

The product and batteries must be handled separately from household waste. When the product reaches the end of service life and needs to be discarded, please contact the local administrative department and put it in the designated collection points in order to avoid the damage to the environment and human health caused by any disposal. We encourage recycling and reusing the material resources.

CATALOG

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Pictures



Note:

IR Detection: supports human body detection; Detecting Distance: 0.5~2.5m.

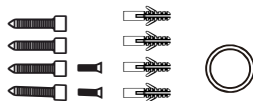
Basic Function

1. Video intercom with indoor monitor and management center
2. Optional IC/ID card reader, maximum 10,000 cards for unlocking
3. Access password unlocking
4. Support standard SIP protocol to communicate with IP phone and SIP software
5. Infrared detection function

Technology Parameters

1. Working voltage: DC12V
2. Rated power:10W
- 3.Standby power: 3W
4. Display screen: 4.3"
5. Working temperature: -10 C~+70
6. Humidity: 20%~80%
7. Waterproof Level: Ip54
8. SDRAM: 512MB DDR3
9. Flash: 8GB
10. TF card capacity: 32GB

Package Contents



Screws

Seal Ring

Screw Wrench

Basic Operation

Calling indoor monitor

When programmed as outdoor panel, input floor and room number(3 digits a least) , then press # to confirm. If you forget to press # to confirm the input, it will call indoor monitor automatically after 2 seconds .

When the room number is <2 digits, you should press “#” key to confirm the calling. When programmed as wall panel, input Building No. + “#” +Unit No. + “#” +room No.+ “#” button to call (7 digits at least). You can also input Building No.+Unit No. +room No. to call directly.

If the number is correct, the indoor monitor rings. If the number is incorrect or the indoor monitor does not exist, the outdoor panel will display “Failure”. After 2 seconds, it will return to standby mode.

If the indoor monitor is busy, the outdoor panel will display “Busy” and then automatically return to standby mode.

During communication, pressing “*” button on the outdoor panel, the call will be cut off.

Calling management center

In a standby mode, input (4 digits) “0000”, then press # to call management center. If successful, outdoor panel displays “Calling”, and the management center rings.

If the number is incorrect or the management center does not exist, the outdoor panel will display “Failure”. After 2 seconds, it will return to standby mode.

If the management center is busy, the outdoor panel will display “Busy” and then automatically return to standby mode.

During communication, pressing “*” on the outdoor panel, the call will be cut off.

Unlock the door

1. Unlocking by access password

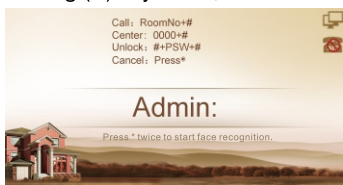
Press # key and enter the access password(The default is 0000). Then press # key to confirm. If the password is correct, the door will be unlocked; if not, it will display “Password Err”.

2.Unlocking by IC/ID card

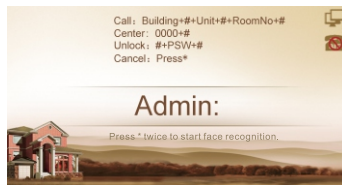
Put the registered IC/ID card on card reader area of the outdoor panel. If successful, the door will be unlocked.

Basic Settings

Pressing (#) key twice, the LCD screen will show as follows:



Unit panel



Wall panel

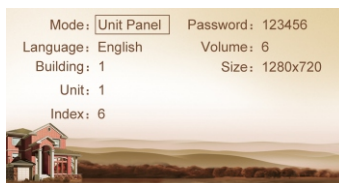
Enter the system password(Factory default is 123456) to the main menu.



In Feature Set menu, you can set the following items.

1. Device settings

Press # key to enter the following setting interface:

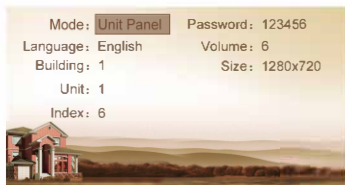


Press “2” key or “▲”key to page up, press “8” key or “▼” key to page down; press “#” key to confirm; press “*” key to return.

1.1 Device Mode

The device can be used as unit panel or wall panel. The device mode can be set through this item. Press the pound key “#” to go to settings. The LCD screen will display as shown in Figure . Press the number key 2 or the icon ▲ to page up, and press the number key 8 or the icon ▼ to page down. If the device is used as unit panel, it can only call the indoor monitors in this unit. If the device is used as wall panel,

it can call all the indoor monitors in the whole community. Once it's selected, press the pound key “#” to confirm. When the outdoor panel gives an indication tone, it means that it is changed successfully. Press the star key “*” to cancel the settings.



1.2 Language, Volume and Size

The language, volume and size (resolution) are set in the same way as the settings of device mode. Volume is used to set the prompt tone of outdoor panel, including 1-6 volume levels selection. There is 320x240, 640x480 or 1280x720 for the size.

1.3 Building No., Unit No., Index and Password

Select the item for setting ⇔ Press the pound key “#” to go to settings ⇔ Input the number to change ⇔ Press the pound key “#” to confirm ⇔ When the outdoor panel gives an indication tone, it means that it is changed successfully (Press the star key “*” to cancel the settings).

Note: Please keep the password confidential. If the password is forgotten, the user will not be able to log into the system. The password can only be recovered by resetting to factory defaults.

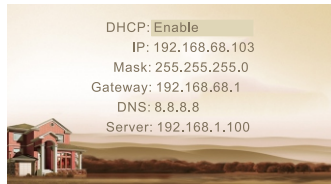
2. Network Settings

Select “Network Settings” and press the pound key “#” to access the submenu. The LCD screen will show as follows:



2.1 DHCP

Select this item and press the pound key “#” for setting. The LCD screen will show as follows. The user can enable or disable the function.



2.2 IP

The default IP address of the system is 192.168.68.103. The LCD screen will display as shown above. As for the devices which are connected on the same LAN (the same subnet of network segment), their IP addresses cannot be the same.

2.3 Mask

The system default is 255.255.255.0. The LCD screen will display as shown above.

2.4 Default Gateway

It refers to the gateway address for network segment of device's IP address. The system default is 192.168.68.1. The LCD screen will display as shown above.

2.5 DNS

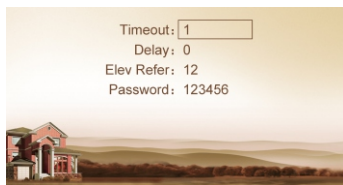
The system default is 8.8.8.8. The LCD screen will display as shown above.

2.6 Server

The server address refers to the IP address of computer with management software. In case that management software isn't required for managing the intercom devices, this setting is invalid. The default IP address of server is 192.168.1.100. The LCD screen will display as shown above.

3. Access Settings

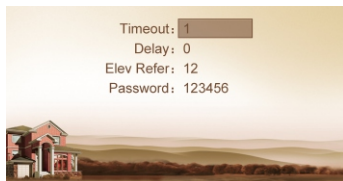
Select “Access Settings” and press the pound key “#” to access the submenu. The LCD screen will show as follows:



3.1 Timeout

The item is used for controlling the unlocking time, namely, how long it takes the door to shut automatically after unlocking.

Select the item and press the pound key “#” to go to settings. The LCD screen will show as follows. Input any number from 1 to 9. If the user enters the number 8, it means the unlocking time is set at 8 seconds. Press the pound key “#” for confirmation after inputting. When the outdoor panel gives an indication tone, it means that the time is changed successfully.



3.2 Delay

The item is used for setting the delayed opening time, meaning how long it takes to unlock the door after the user presses the unlock button on the indoor monitor.

Select the item and press the pound key “#” to go to settings. The LCD screen will display as shown above. Input any number from 1 to 9. If the user enters the number 5, it means the delayed opening time is set at 5 seconds. Press the pound key “#” for confirmation after inputting. When the outdoor panel gives an indication tone, it means that the time is changed successfully.

3.3 Password

The item is used for setting the password to unlock the door. Enter the passwords and then press the pound key “#” to confirm. The LCD screen will display as shown above.

3.4 Elev Refer (This item can only be used after connecting to elevator control devices)

The item is used for setting the floor of outdoor panel.

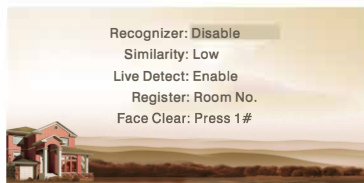
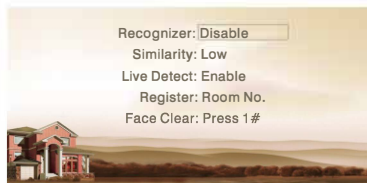
Select the item and press the pound key “#” to go to settings. The LCD screen will

display as shown above. Set the floor of outdoor panel ranging from 01 to 99. After the door is unlocked, the elevator will reach the floor of outdoor panel.

Press the pound key “#” for confirmation after inputting. When the outdoor panel gives an indication tone, it means that it is changed successfully.

4. Face Settings

Select “Face Settings” and press the pound key “#” to access the submenu. The LCD screen will show as follows:



The item “Recognizer” is used for setting the state of recognizer function. “Disable” means the function has been closed. Select the item and press the pound key “#” to go to settings. The LCD screen will display as shown above.

The item “Similarity” is used for setting the face similarity. There are 3 levels to choose. Select the item and press the pound key “#” to go to settings.

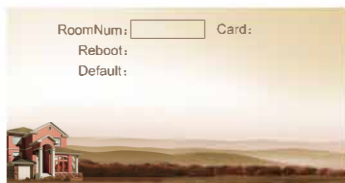
The item “Live Detect” means if you can move when being recognized. Select the item and press the pound key “#” to go to settings.

The item “Register” is used for recording the new face. Enter the Room number and then register the face on the system of outdoor panel. When the system gives a prompt tone, it means the registration is completed.

The item “Face Clear” is used for clearing the registered information. Enter 1 and then press the pound key “#” to confirm.

5. Misc Settings

Select “Misc Settings” and press the pound key “#” to access the submenu. The LCD screen will show as follows:



The item “RoomNum” is used for registering the access card corresponding to the room number. Select the item and press the pound key “#” to go to Settings. The LCD screen will display as shown above.

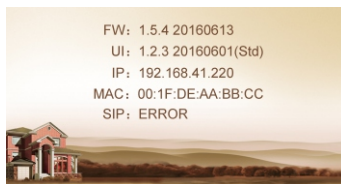
Enter the room number and then place the access card close to the swiping area. When the outdoor panel gives an indication tone, it means that the card has been registered successfully. Then the No. of registered card will be displayed.

The item “Reboot” is used for restarting the outdoor panel. Enter the number “1” and then press the pound key “#” to confirm. The system will start automatically. (Entering any number other than 1 is invalid).

The item “Default” is used for resetting to system default. Enter the number “1” and then press the pound key “#” to confirm. The system will be reset. (Entering any number other than “1” is invalid).

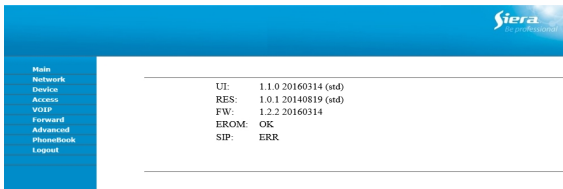
6. About System

Select “About System” and press the pound key “#” to access the submenu. The LCD screen will show as follows:



Web Settings

Connect outdoor panel and PC in the network switch and make them in the same LAN. Input IP address of outdoor panel in the web browser of PC, then input the user name and password(the default name is admin, the password is 123456) to enter into the following interface:



1. Network Settings:

Click “Network” icon on the interface to enter into the following interface:



IP: IP address should be unique in the same Network.

Mask: the default Mask is 255.255.255.0.

Gateway: it depends on IP address.

DNS: it depends on Network.

Server IP: it is the same as the IP address of management PC.

NTP: it refers to network time protocol.

Usually, the communication among management center, indoor monitor and outdoor panel will be available in the same LAN; if they are not in the same Network, you need to set SIP server to support the communication.

Click “Submit” icon to confirm settings.

2. Device Settings:

Click "Device" icon on the interface to enter into the following interface:

Device Settings

BuildNo: 1
UnitNo: 1
No: 1
Sys password: *****
Panel mode: Unit Panel
Ring back: Ring01
Language: English
Volume: 6
TZ: GMT+08
Forward: All at once
Submit

The settings of building and Unit No. should be the same as that of corresponding outdoor panel.

No.: It is unique number for the outdoor panel. You can have max.9 outdoor panels in one house, and you need to distinguish their numbers from 1 to 9.

Sys password: you can change the login password as you like (the default password is 123456).

Panel mode: unit panel, wall panel or personal panel for selection.

① Unit panel: Used in one unit, it can call residents in the unit and management center;

② Wall panel: Used in the entrance of community, it can call all outdoor panels in the community and management center;

③ Personal panel: It is reserved.

You can choose different ringtone and language, and can also adjust the ringing volume.

Click "Submit" icon to confirm settings.

3. Access Settings:

Click "Access" icon on the interface to enter into the following interface:

Access Settings

Unlock timeout: 3s
Unlock delay: 0s
Elev refer: 12
Admin Card: 12345678
Security ON/OFF:
Unlock passed: 0000
Submit

Unlock Timeout is used for controlling the unlocking time ranging from 1 to 9 seconds.

Unlock Delay refers to the delayed opening time ranging from 0 to 9 seconds.

Elev refer is used for setting the floor of outdoor panel ranging from 01 to 99.

Security ON/OFF: arming/disarming by card is only effective for secondary outdoor panel; unit panel only supports disarming by card.

Unlock Passwd: it's used for unlocking the door. The system default is 0000. Eight unlocking passwords can be added.(This is only applicable for outdoor panel with keypad.)

Card Registration:

The Admin Card is used for registering user card. There are two ways of registering the admin card:

1. The user enters card No. of the admin card in the box after "Admin Card" and then click the key "Submit". In this case, the admin card is registered successfully.

2. If the user isn't aware of admin card No., please enter 0 in the box first and click the key "Submit". Then place the admin card close to the swiping area. When the system gives an indication tone, it means that the card is registered successfully.

When registering the user card, the user shall swipe the admin card first. The system emits a beep. Then place the card to be registered near the swiping area within 10 seconds. If the system gives an indication tone, it means that the user card is registered successfully. When registering the user card, the card to be registered shall be swiped 10 seconds after the admin card is swiped. Once a user card is registered, it will postpone for 10 seconds. When there is no activity for 10 seconds, the system will exit from registration status automatically. To register a new user card, the user shall swipe the admin card again.

4. VOIP:

Click "VOIP" icon on the interface to enter into the following interface:

Siera
Biometric Access Control

Main
Network
Biometric
VOIP
Advanced
Webkit
Others
License
Logout

SIP Settings

SIP enable:

Proxy:

Realm:

Outbound:

STUN IP:

STUN Port:

User:

Password:

Timeout:

SIP enable: when SIP account No. is enabled, the SIP server of a third party is generally used.

Proxy: URL of SIP proxy server in format: sip:ip or sip: domain name.

Realm: realm of the device, generally the same as IP or domain name.

STUN IP and Port refer to the IP and port of public server for NAT traversal of audio and video.

Bitrate: 128K, 384K, 512K, 768K, 1M or 2M

User: user name assigned by SIP server

Password: password assigned by SIP server

Timeout: 120 seconds, 300 seconds, 600 seconds, 1200 seconds or 1800 seconds.

Ringling: ringing time of indoor monitor which is called by outdoor panel can be set. The time can be set at 35 seconds, 45 seconds, 60 seconds, 90 seconds or 120 seconds.

Once this is set up, click the key "Submit" to enable new settings.

5. Forward (Call transfer):

Click "Forward" icon on the interface to enter into the following interface:

RoomNo:	Account:	RoomNo:	Account:	RoomNo:	Account:

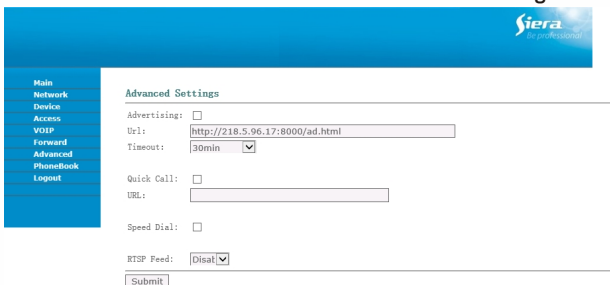
Room no. can be bound with phone number. when the visitor calls on the outdoor panel but there is no answer within 25 seconds, the system will forward the call to the phone. Please follow the detailed steps:

1. Enter the room No. and then enter the account phone number to be bound;
2. To delete this account, check the box;
3. Once this is set up, click the key "Submit" to enable new settings.

(Note: This item requires support of extension module or local SIP service provider).

6. Advanced

Click “Advanced” icon on the interface to enter into the following interface:



The screenshot shows the Siera Advanced Settings interface. On the left is a blue navigation menu with the following items: Main, Network, Device, Access, VVIP, Forward, Advanced (highlighted), PhoneBook, and Logout. The main content area is titled "Advanced Settings" and contains the following fields:

- Advertising:
- Uri:
- Timeout: 30min
- Quick Call:
- URL:
- Speed Dial:
- RTSP Feed:

At the bottom of the form is a "Submit" button.

Advertising: check the box to enable this function. Enter the specified advertisement URL in the box. The interface will play the online advertisement automatically.

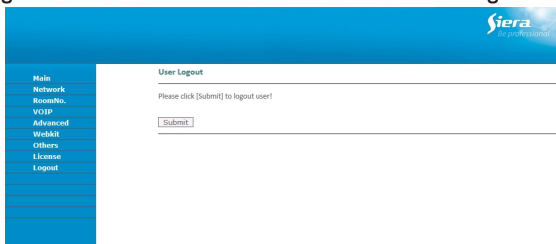
Quick Call: check the box to enable this function. It refers to the call to management center. Enter the SIP address of specified management center. The call can be from indoor monitor or SIP internet phone of other manufacturers.

Speed Dial: press one number key to give a direct call.

Once this is set up, click the key “Submit” to enable new settings.

7. Logout

Click “Logout” icon on the interface to enter into the following interface:



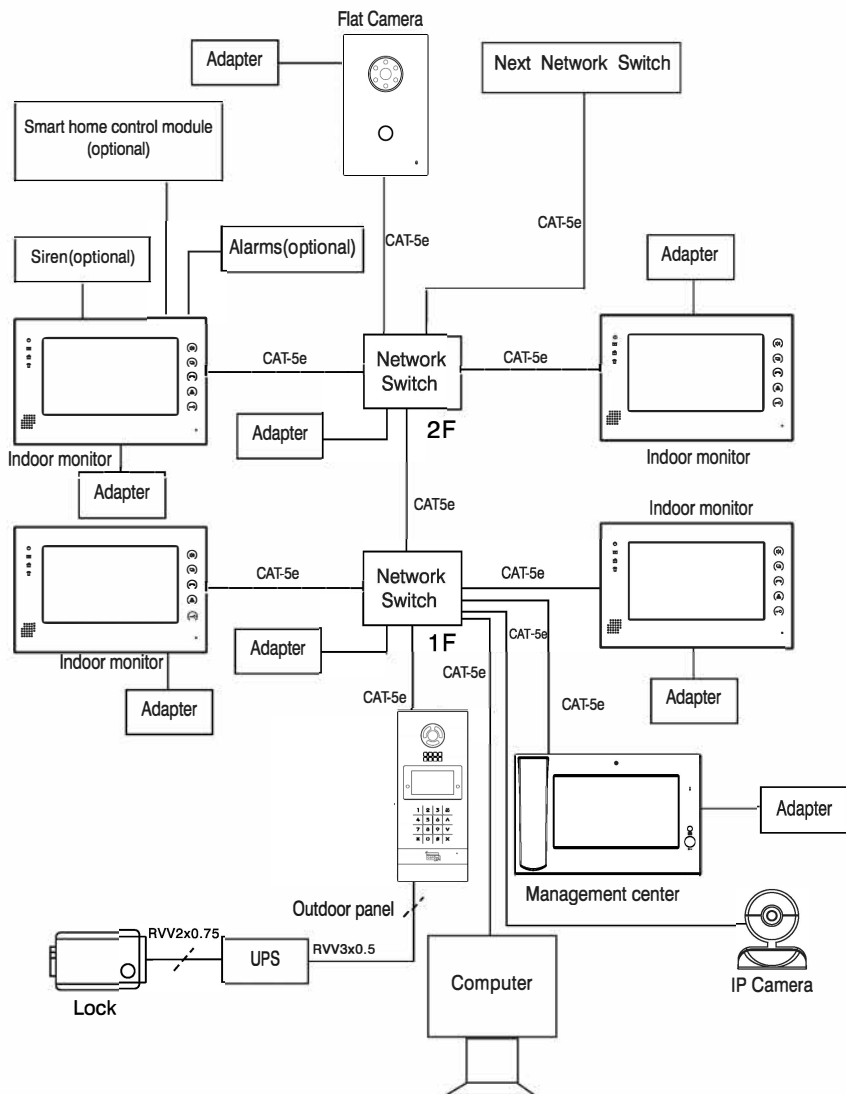
The screenshot shows the Siera User Logout interface. On the left is a blue navigation menu with the following items: Main, Network, RoomNo., VVIP, Advanced, WorkIt, Others, License, Logout (highlighted), and a blank menu item. The main content area is titled "User Logout" and contains the following text:

Please click [Submit] to logout user!

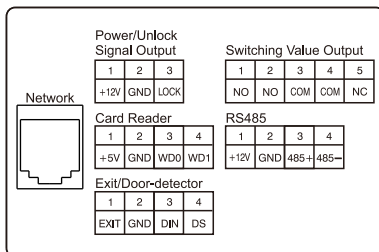
At the bottom of the form is a "Submit" button.

Click “Submit” icon to log out the system.

System Configuration

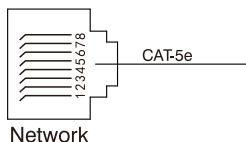


System Diagram



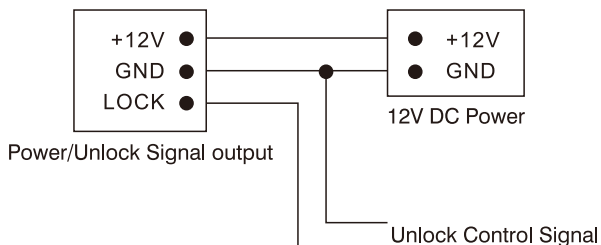
1. Network

Standard RJ45 interface connects with management unit, indoor monitor or other network equipment by network switch.



2. Power/ Unlock Signal Output

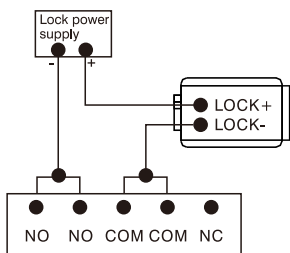
Power interface of outdoor panel connects with 12V DC power. Unlock signal input connects with unlock module.



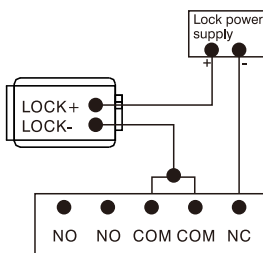
3. Switching Value Output

Switching value output interface can be accessed by electric lock. The maximum unlocking current is 3.5A. When the switch unlocks, it must be connected to external power supply.

When the outdoor power is off, the state of NO and NC terminals is opposite to that of normal operation.



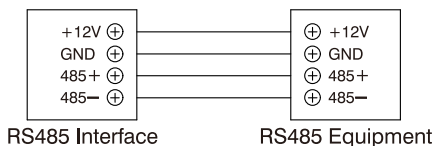
Switching Value Output :
Normally open connection



Switching Value Output :
Normally closed wiring

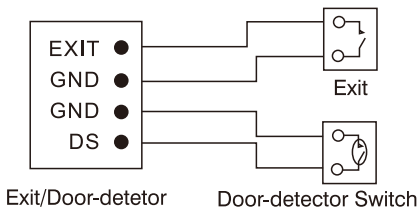
4. RS485

Enable to connect equipment with RS485 interface. RS485 interface can output 12V/100mA power. +12V isn't required for wiring if it is unused.



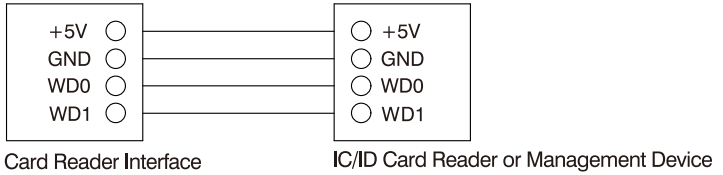
5. Exit/ Door-detector

Connect with exit /door-detector.



6. Card Reader Interface

The interface can be connected to one IC/ID card reader or be used for reading the information of built-in card reader. It can output the power 5V/100mA. When the card reader doesn't need the power from the interface, wire connection of +5V isn't required.



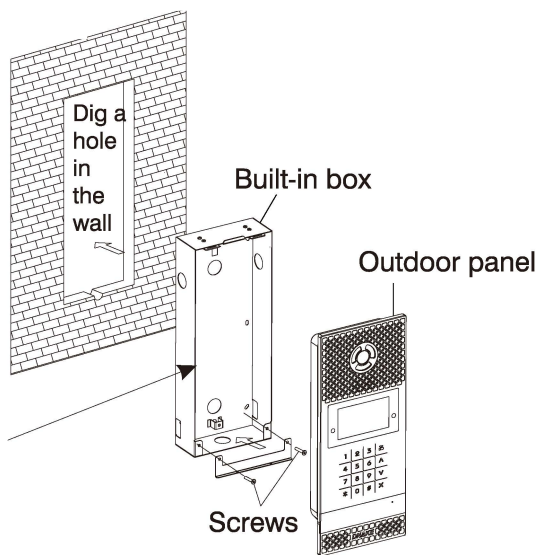
Note: Only one card reader can be connected to outdoor panel. When there is built-in card reader, the interface can only be used for reading the information of built-in card reader.

Installation

Wall mounted type

Built-in box size: 158*380*54.5(mm)

Break through the cord hole on the bottom of the built-in box first for water draining. Please don't cover the drain hole with the glass cement.



Notes

Maintenance of devices

1. Keep the surface clean and use soft dry cloth to clean the dust of the product.
2. Please power off indoor unit when cleaning.
3. If there are stubborn stains which cannot be cleaned with dry cloth, please use the soft towel dipped in the neutral diluted detergent to clean the machine and then clear it with dry cloth.
4. Do not use benzene, thinner or organic solvents such as gasoline to clean. These solvents may cause damage to the machine casing or the surface of machine and change colors.

Matters need to be noticed

1. Read the instructions in this manual carefully. Be sure to keep it for future reference.
2. Be sure to use only the power adapter whose power source matches the rating listed for it. If you are not sure, check with your dealer or your local power company.
3. Avoid strong hits or shocks. Do not use the power adapter if it has received any hard knocks or looks damaged in any way; Please immediately contact an authorised service center.
4. The product should be placed where is stable, ventilated, air-dry, non-sunshine, non strong magnetic and non dusty.
5. Don't clean the surface with chemicals but with soft and clean dry cloth.
6. Don't press several buttons at the same time.
7. The outdoor and indoor unit must be matched with appointed specified models and cannot match with others that are not our products.
8. Don't disassemble the machine without authorization. For the need for fault repairing, please contact the distributors or the company's tech-supporting department.