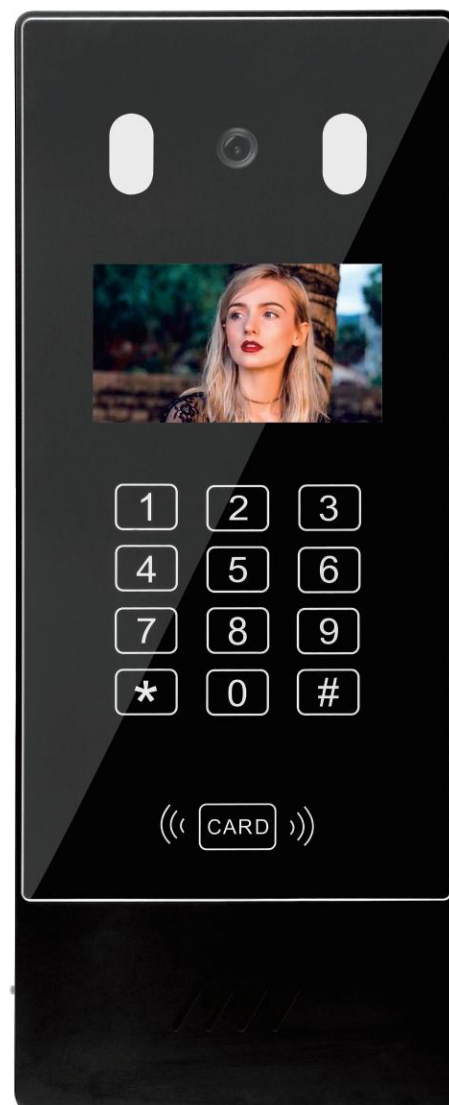# User Manual

IP Apartment Outdoor Station
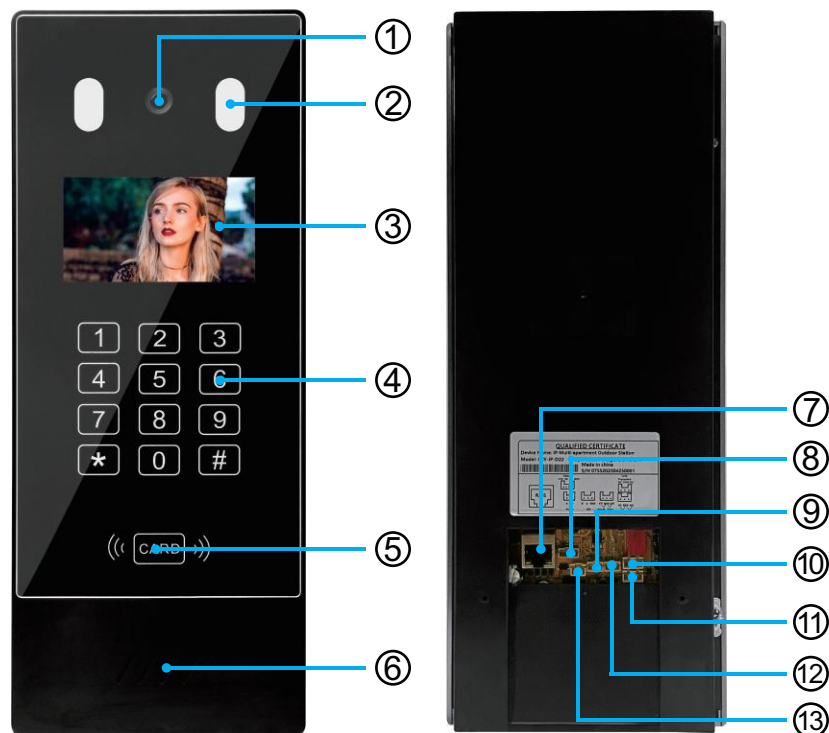## (IP Series)

4.3 Inches   4.3 Inches

Before using this product, read the Quick Guide carefully and save it for future referenceV3.0.
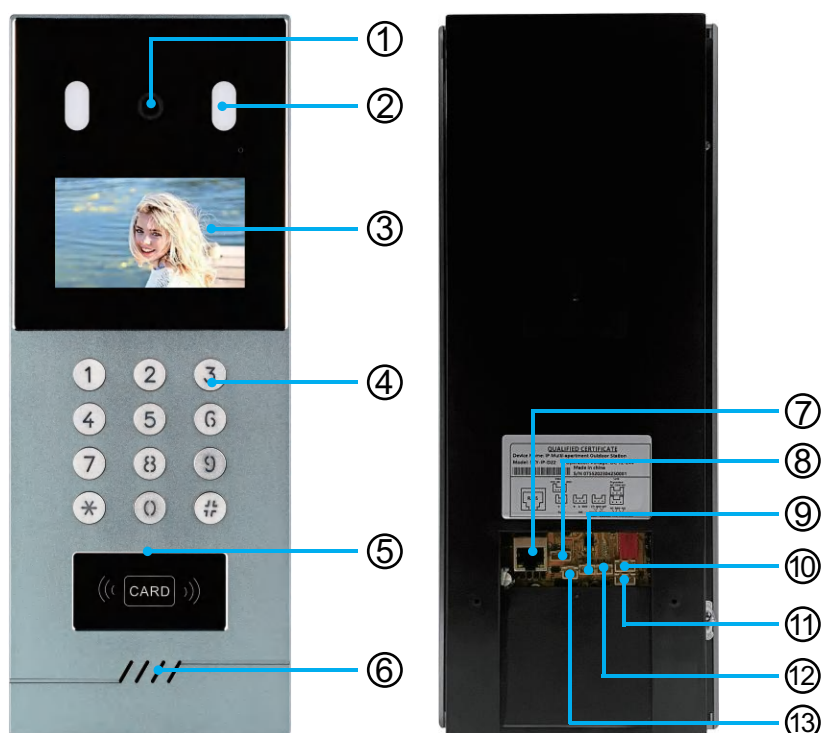
Front and Back Introduction

4.3 Inches Outdoor Station

① Camera

② LED

③ 4.3-inch LCD Screen

④ Touch Buttons

⑤ Card Reading Area

⑥ Speaker

⑦ RJ45

⑧ Debug/VCC RX TX GND

⑨ 485/B A GND
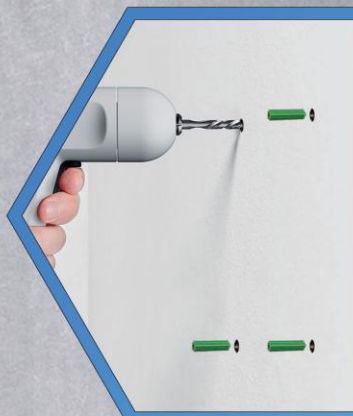
⑩ NC COM NO

⑪ NC GND NO

⑫ CTL GND DET

⑬ Power/+ -

Front and Back Introduction

4.3 Inches Outdoor Station

① Camera

② LED

③ 4.3-inch LCD Screen

④ Buttons

⑤ Card Reading Area

⑥ Speaker

⑦ RJ45

⑧ Debug/VCC RX TX GND

⑨ 485/B A GND

⑩ NC COM NO

⑪ NC GND NO

⑫ CTL GND DET

⑬ Power/+ -

Outdoor Station Installation

Drilling

Drill screw holes at proper location for wall mounting plate.
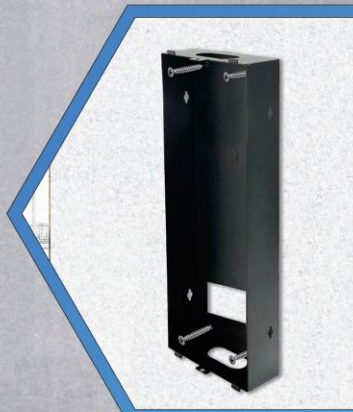
Fix wall mounting plate

Fix the wall mounting plate to the wall with 4 screws.

Install outdoor station

Insert the outdoor station to the plate and fix it with 2 screws

Outdoor Station Installation

Drilling

Drill screw holes at proper location for wall mounting plate.
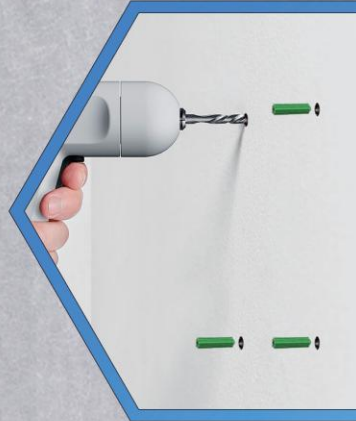
Fix wall mounting plate

Fix the wall mounting plate to the wall with 4 screws.

Install outdoor station

Insert the outdoor station to the plate and fix it with 2 screws

Wiring Diagram(1 to 1) (Ethernet Cable)

CAT5/CAT6

CAT5/CAT6

Non-standard POE Switch

CAT5/CAT6

Switch

- L
- N
- NO
- NC
- +12V
- GND
- Push1
- CONT+
- CONT-

Input: AC 100-240V
Output: DC 12-15V 5A

- L+
- L-
- GND
- +12V

Electric Lock

Wiring Diagram(1 to 1) (Ethernet Cable)

CAT5/CAT6

CAT5/CAT6

Non-standard POE Switch

CAT5/CAT6

Switch

L
N
NO
NC
+12V
GND
Push1
CONT+
CONT-

Input: AC 100-240V
Output: DC 12-15V 5A

L+
L-
GND
+12V

CARD

Electric Lock

Local LAN Networking Digram (1 ~ 9999 Monitors)

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

Indoor Monitor

401

Indoor Monitor

301

Indoor Monitor

201

Indoor Monitor

101

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

non-standard POE switch

Indoor Monitor

402

Indoor Monitor

302

CAT5/CAT6

CAT5/CAT6

Indoor Monitor

202

CAT5/CAT6

CAT5/CAT6

Indoor Monitor

102

network cable CAT5/CAT6 —— main line in unit

4 wires(RVV 4×1.0) —— outdoor station to power

2 wires(RVV 2×1.0) —— lock to power

2 wires(RVV 2×1.0) —— exit button to power

Exit button

RVV 2×1.0

RVV 4×1.0

Input: AC 100-240V
Output: DC 12-15V 5A

RVV 2×1.0

Electric Lock

Magnetic lock

4.3-inch outdoor station

CARD

Ethernet Switch

CAT5/CAT6

3   2   DC 5V

AC 100-240V

IC Card Issuer

PC Management Center

Guard Station

7

Local LAN Networking Digram (1 ~ 9999 Monitors)

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

Indoor Monitor 401

Indoor Monitor 402

Indoor Monitor 301

Indoor Monitor 302

Indoor Monitor 201

Indoor Monitor 202

Indoor Monitor 101

Indoor Monitor 102

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6

CAT5/CAT6
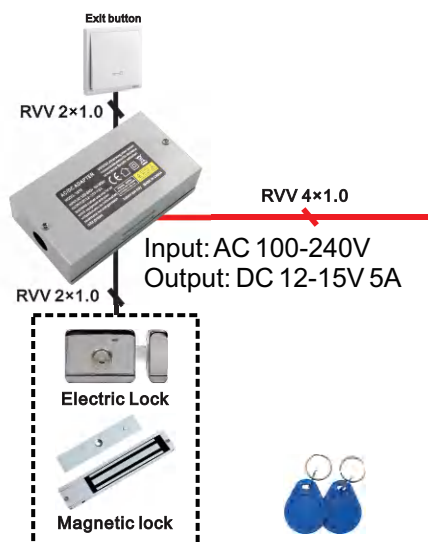
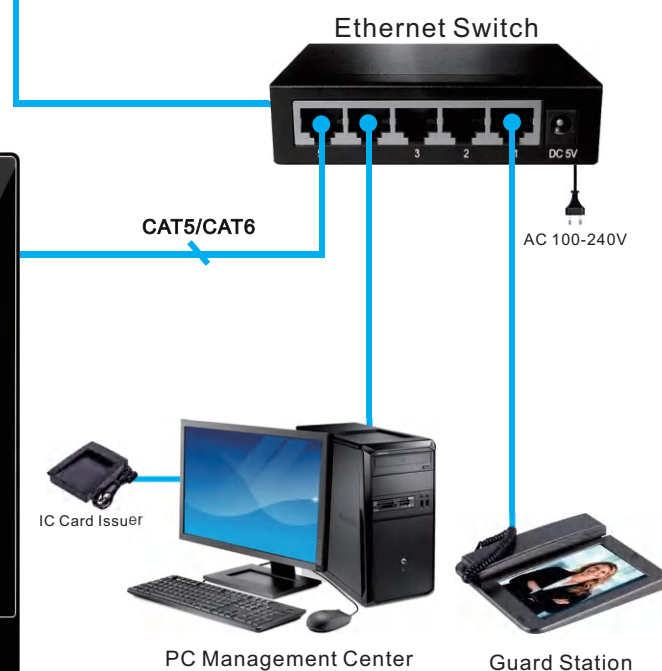non-standard POE switch

network cable CAT5/CAT6 ——— main line in unit

4 wires(RVV 4×1.0) ——— outdoor station to power

2 wires(RVV 2×1.0) ——— lock to power
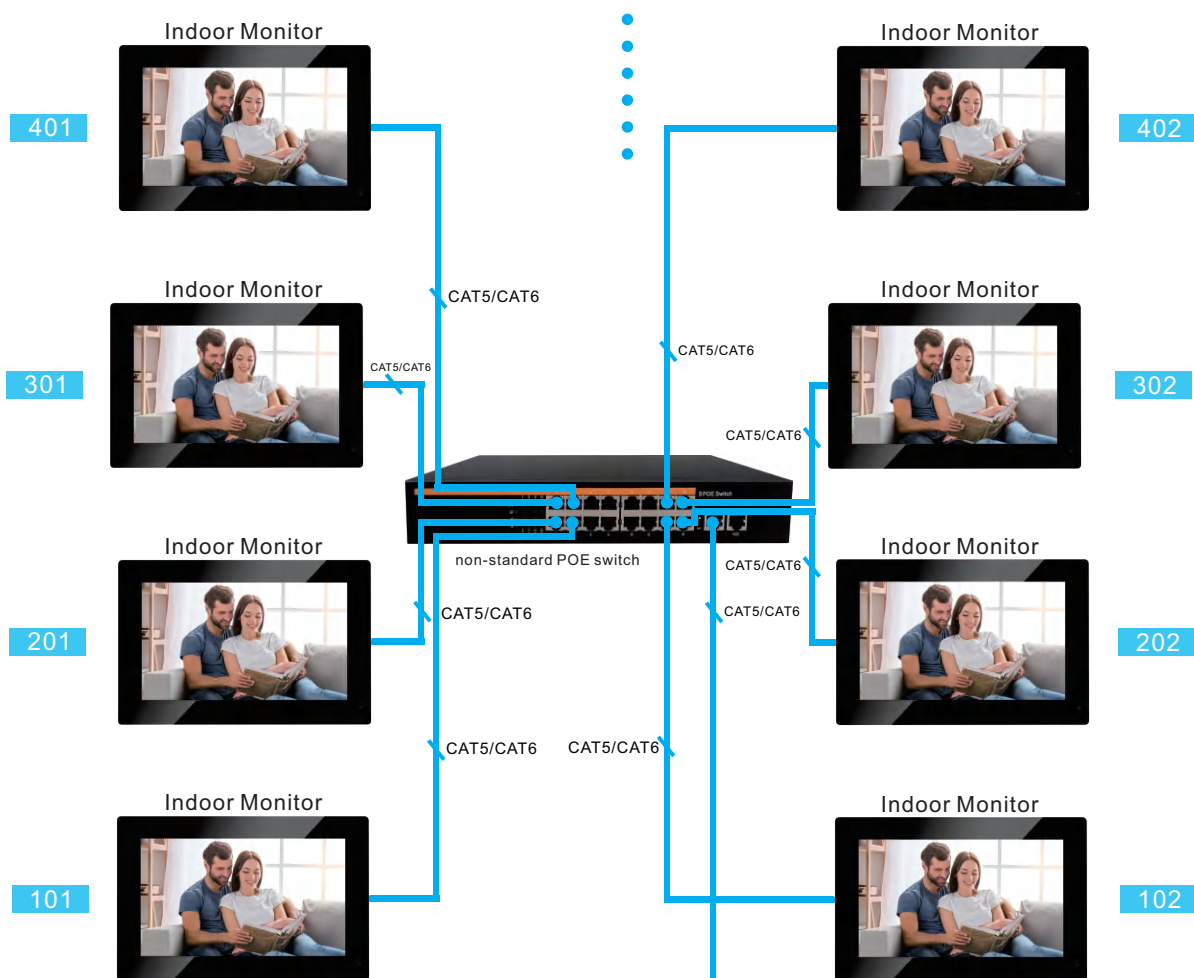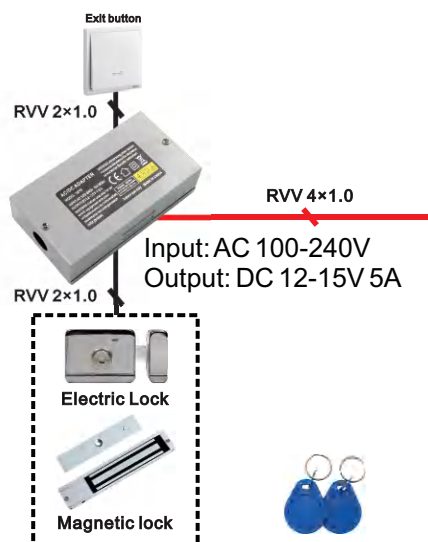
2 wires(RVV 2×1.0) ——— exit button to power

Exit button

RVV 2×1.0

RVV 4×1.0

Input: AC 100-240V
Output: DC 12-15V 5A

RVV 2×1.0

Electric Lock

Magnetic lock

4.3-inch outdoor station

CARD

Ethernet Switch

CAT5/CAT6

3   2   DC 5V

AC 100-240V

IC Card Issuer

PC Management Center

Guard Station

8

Local LAN Networking Digram (1 ~ 9999 Monitors)

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

Indoor Monitor
401

Indoor Monitor
402

CAT5/CAT6

CAT5/CAT6

Indoor Monitor
301

CAT5/CAT6

CAT5/CAT6

Indoor Monitor
302

CAT5/CAT6

non-standard POE switch

Indoor Monitor
201

CAT5/CAT6

CAT5/CAT6

Indoor Monitor
202

CAT5/CAT6

Indoor Monitor
101

CAT5/CAT6   CAT5/CAT6
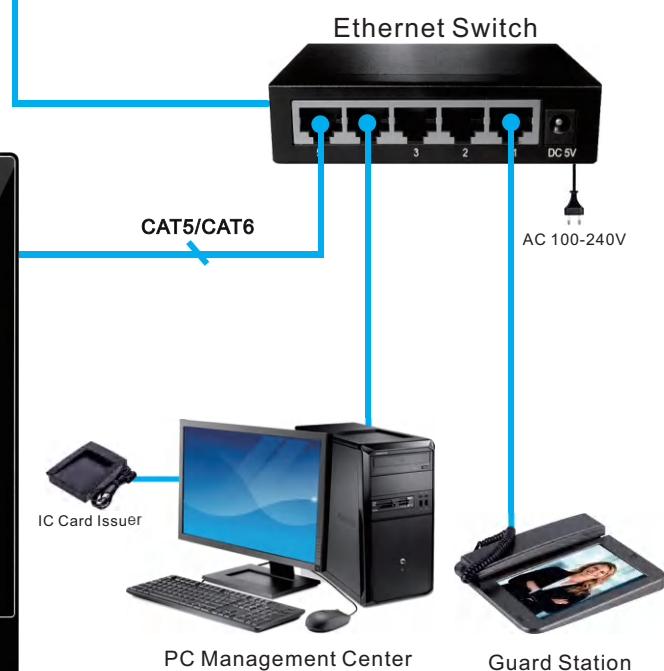
Indoor Monitor
102

network cable CAT5/CAT6 ——— main line in unit

4 wires(RVV 4×1.0) ——— outdoor station to power

2 wires(RVV 2×1.0) ——— lock to power

2 wires(RVV 2×1.0) ——— exit button to power
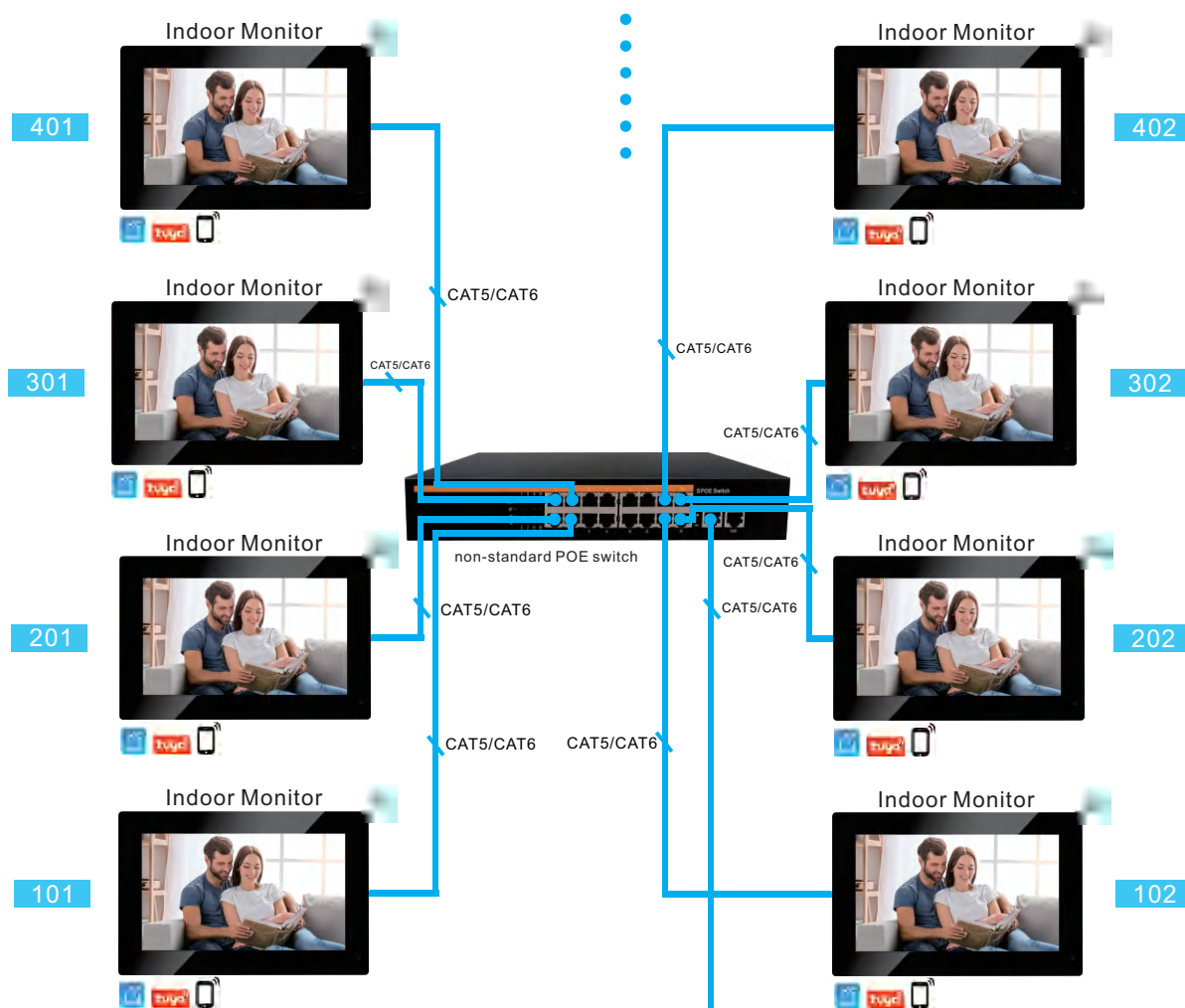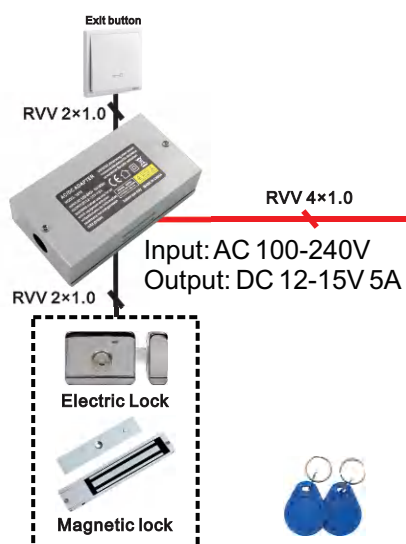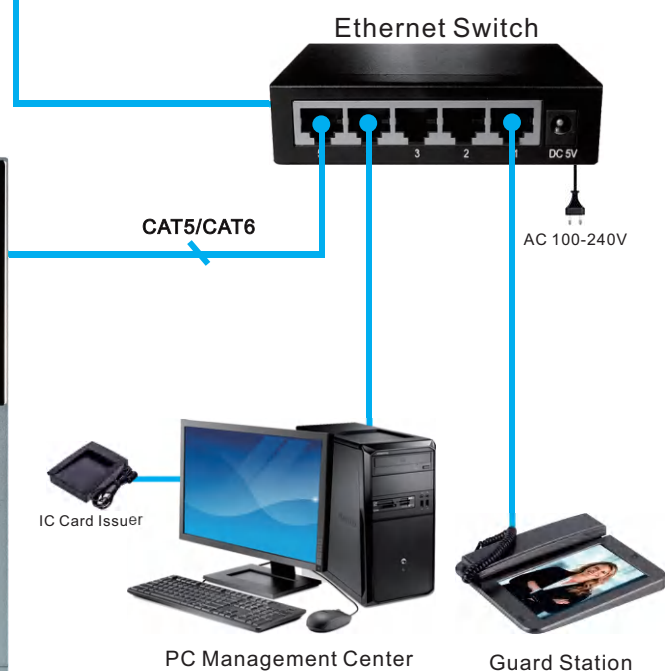
Ethernet Switch

3   2   DC 5V

AC 100-240V

Exit button

RVV 2×1.0

RVV 4×1.0

RVV 2×1.0

CAT5/CAT6

Input: AC 100-240V
Output: DC 12-15V 5A

Electric Lock

Magnetic lock

IC Card Issuer

4.3-inch outdoor station

PC Management Center

Guard Station

9

Local LAN Networking Digram (1 ~ 9999 Monitors)

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

Indoor Monitor
401

Indoor Monitor
402

CAT5/CAT6

Indoor Monitor
301

CAT5/CAT6

CAT5/CAT6

Indoor Monitor
302

CAT5/CAT6

non-standard POE switch

Indoor Monitor
201

CAT5/CAT6

CAT5/CAT6

Indoor Monitor
202

CAT5/CAT6

Indoor Monitor
101

CAT5/CAT6

CAT5/CAT6

Indoor Monitor
102

network cable CAT5/CAT6 ——— main line in unit

4 wires(RVV 4×1.0) ——— outdoor station to power

2 wires(RVV 2×1.0) ——— lock to power
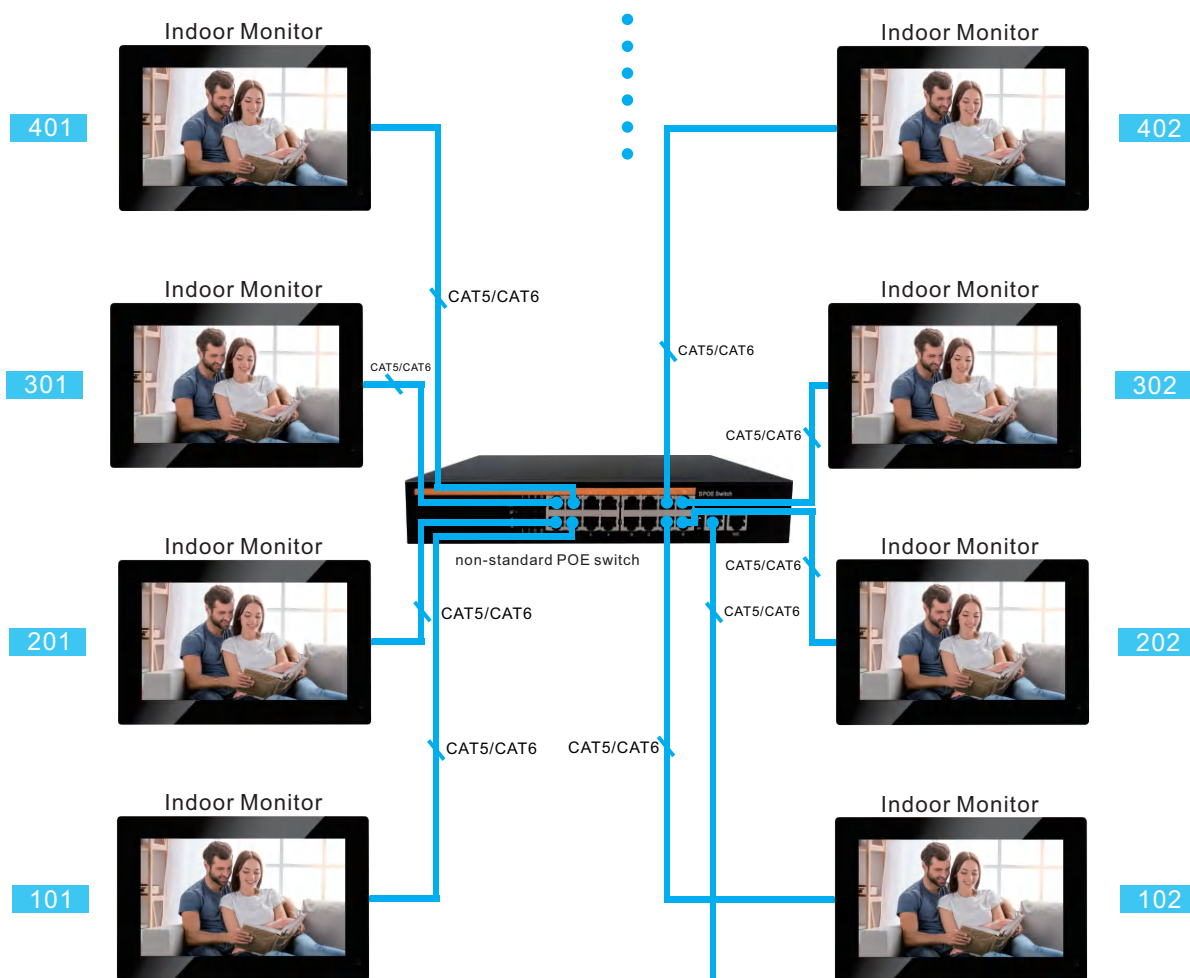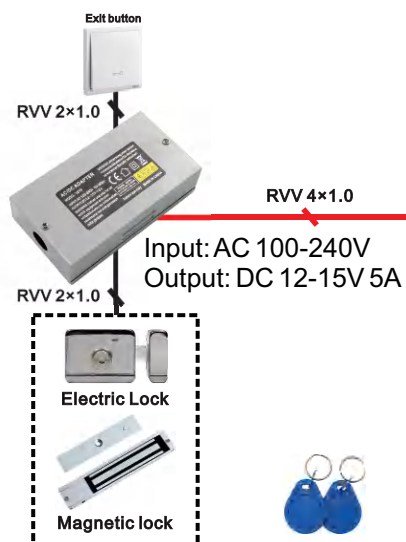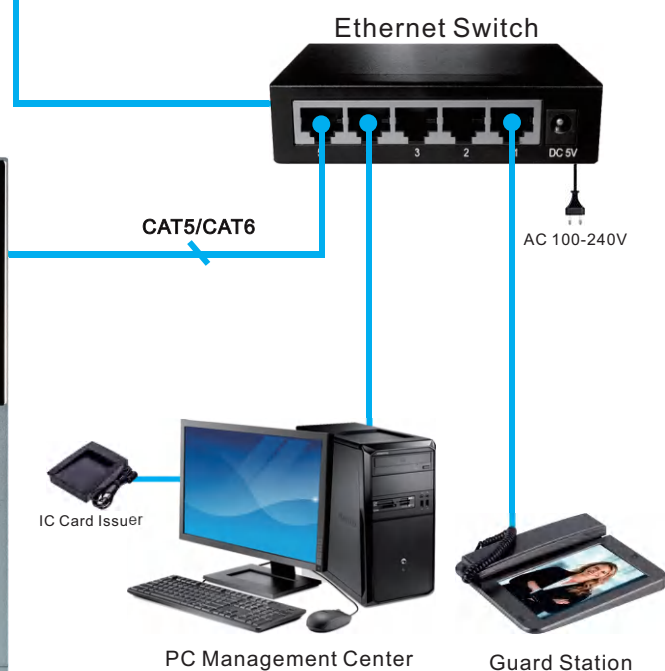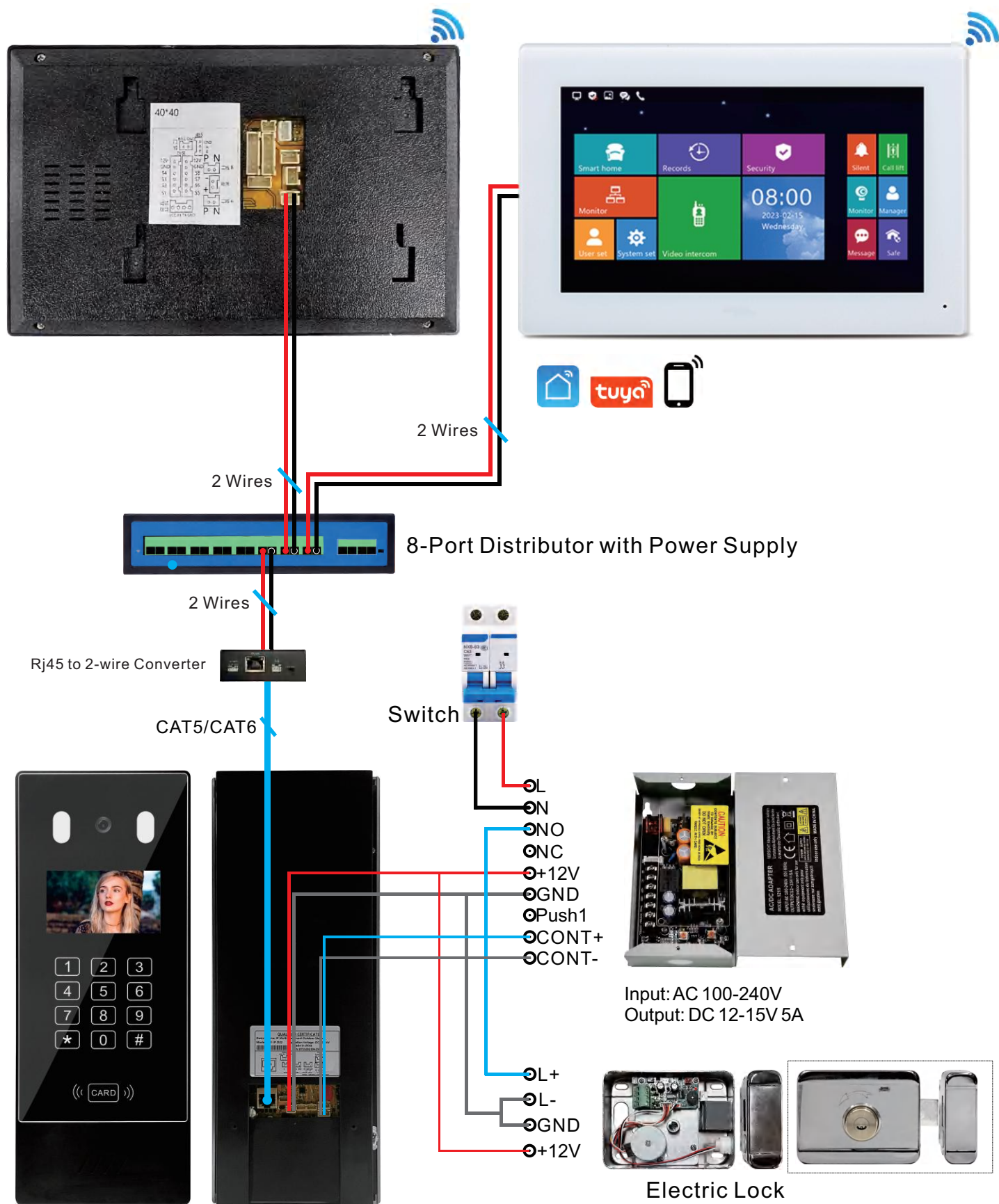
2 wires(RVV 2×1.0) ——— exit button to power

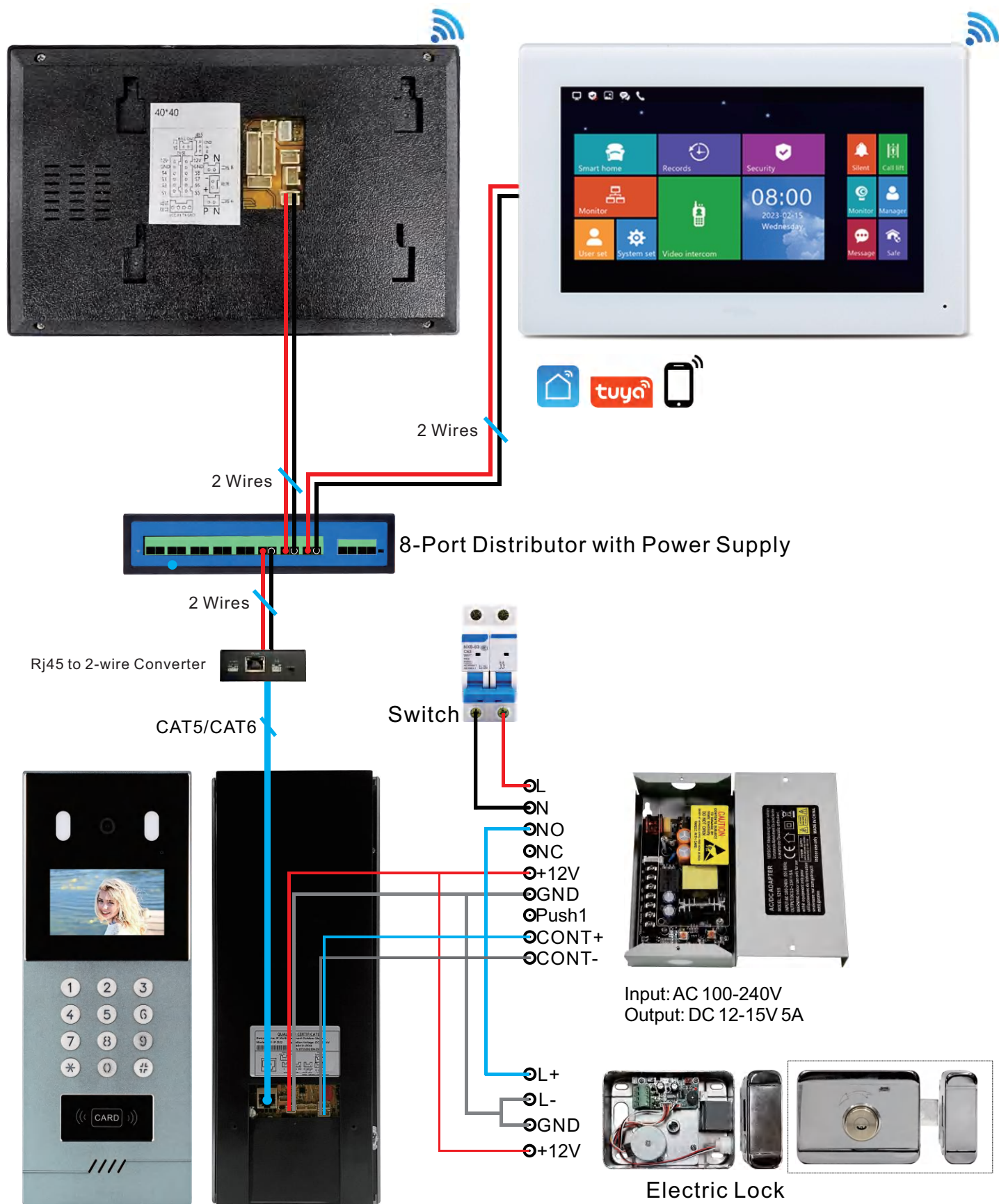Ethernet Switch

DC 5V

AC 100-240V

Exit button

RVV 2×1.0

RVV 4×1.0

CAT5/CAT6

Input: AC 100-240V
Output: DC 12-15V 5A

RVV 2×1.0

Electric Lock

Magnetic lock

CARD

IC Card Issuer

PC Management Center

Guard Station

4.3-inch outdoor station

10

Wiring Diagram(1 to 1) (2 Wires)

40*40

2 Wires

2 Wires

8-Port Distributor with Power Supply

2 Wires

Rj45 to 2-wire Converter

CAT5/CAT6

Switch

- L
- N
- NO
- NC
- +12V
- GND
- Push1
- CONT+
- CONT-

Input: AC 100-240V
Output: DC 12-15V 5A

- L+
- L-
- GND
- +12V

CARD

1 2 3
4 5 6
7 8 9
* 0 #

Electric Lock

Wiring Diagram(1 to 1) (2 Wires)

2 Wires

2 Wires

2 Wires

8-Port Distributor with Power Supply

Rj45 to 2-wire Converter

CAT5/CAT6

Switch

L
N
NO
NC
+12V
GND
Push1
CONT+
CONT-

L+
L-
GND
+12V

Input: AC 100-240V
Output: DC 12-15V 5A

CARD

Electric Lock

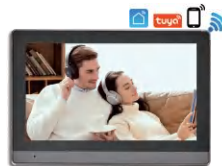# 2-wire IP Apartment Diagram (1~9999 Monitors)

Optional

M72T-TUYA
7-inch touch screen

M72T-TUYA
7-inch touch screen

M76T-TUYA
7-inch touch screen

M92T-TUYA
10.1-inch touch screen

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

13

14

2 Wires

8-Port Distributor with Power Supply

2 Wires

15

16

2 Wires

9

10

2 Wires

2 Wires

2 Wires

2 Wires

11

12

2 Wires

5

6

2 Wires

2 Wires

7

2 Wires

8

2 Wires

8-Port Distributor with Power Supply

1

2

2 Wires

2 Wires

2 Wires

3

2 Wires

4

2 Wires

Rj45 to 2-wire Converter

CAT5/CAT6

network cable CAT5/CAT6 ——— main line in unit

4 wires(RVV 4×1.0) ——— outdoor station to power

2 wires(RVV 2×1.0) ——— lock to power

2 wires(RVV 2×1.0) ——— exit button to power

2 wires(RVV 2×1.0) ——— Enter home line

4.3-inch outdoor station

Exit button

RVV 2×1.0

RVV 4×1.0

RVV 2×1.0

Input: AC 100-240V
Output: DC 12-15V 5A

Electric Lock

Magnetic lock

13

2-wire IP Apartment Diagram
(1~9999 Monitors)

Optional

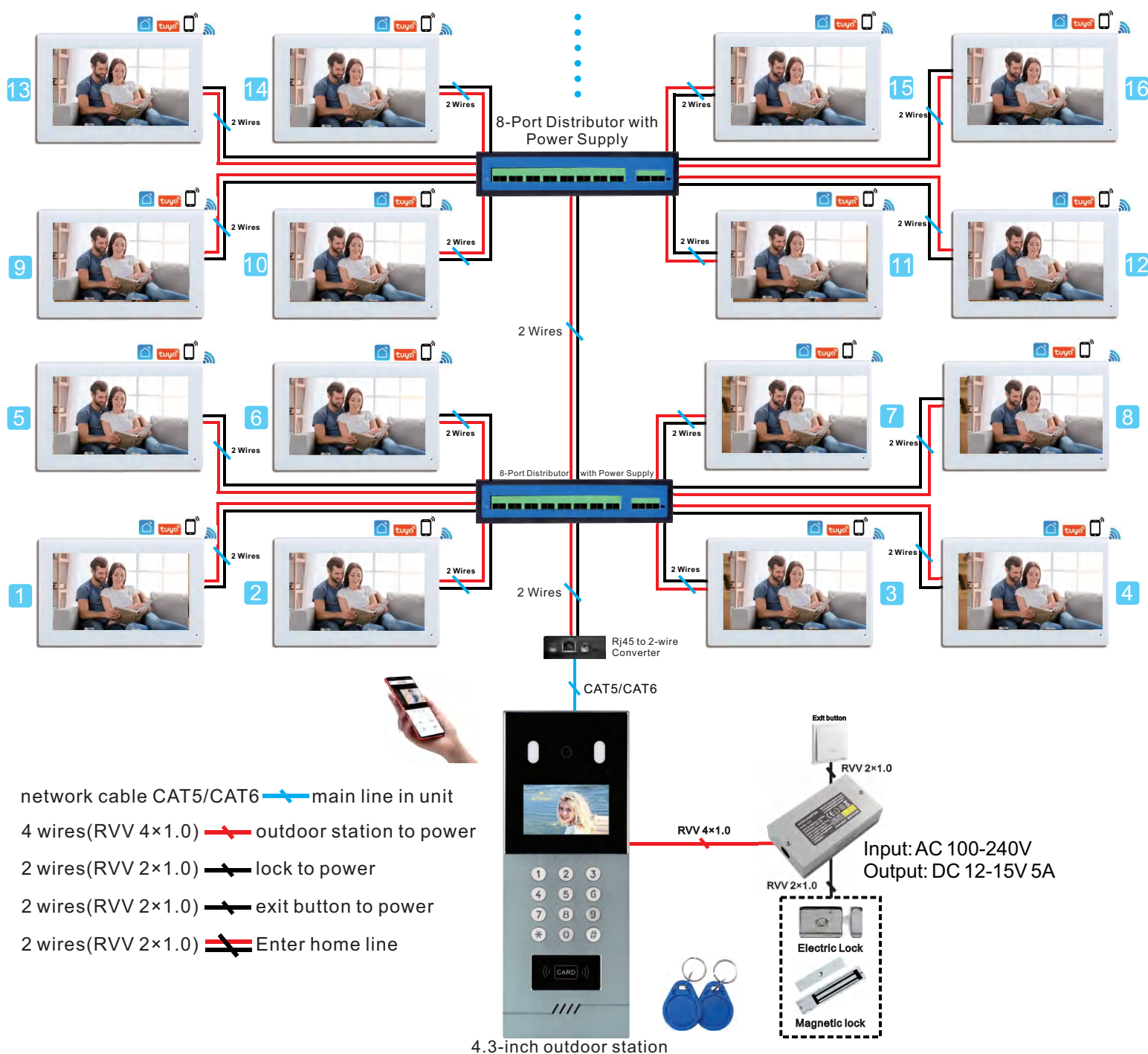|			
M72T-TUYA 7-inch touch screen	M72T-TUYA 7-inch touch screen	M76T-TUYA 7-inch touch screen	M92T-TUYA 10.1-inch touch screen

Room number can be set 1 digit, 2 digit, 3 digit or 4 digit

13   14   8-Port Distributor with Power Supply   15   16

2 Wires   2 Wires   2 Wires   2 Wires

9   10   11   12

2 Wires   2 Wires   2 Wires   2 Wires

2 Wires

5   6   7   8

2 Wires   2 Wires   2 Wires   2 Wires

8-Port Distributor with Power Supply

1   2   3   4

2 Wires   2 Wires   2 Wires   2 Wires

2 Wires

Rj45 to 2-wire Converter

CAT5/CAT6

network cable CAT5/CAT6 ——— main line in unit

4 wires(RVV 4×1.0) ——— outdoor station to power

2 wires(RVV 2×1.0) ——— lock to power

2 wires(RVV 2×1.0) ——— exit button to power

2 wires(RVV 2×1.0) ——— Enter home line

Exit button

RVV 2×1.0

RVV 4×1.0

RVV 2×1.0

Input: AC 100-240V
Output: DC 12-15V 5A

Electric Lock

Magnetic lock

4.3-inch outdoor station

14

1.Homepage

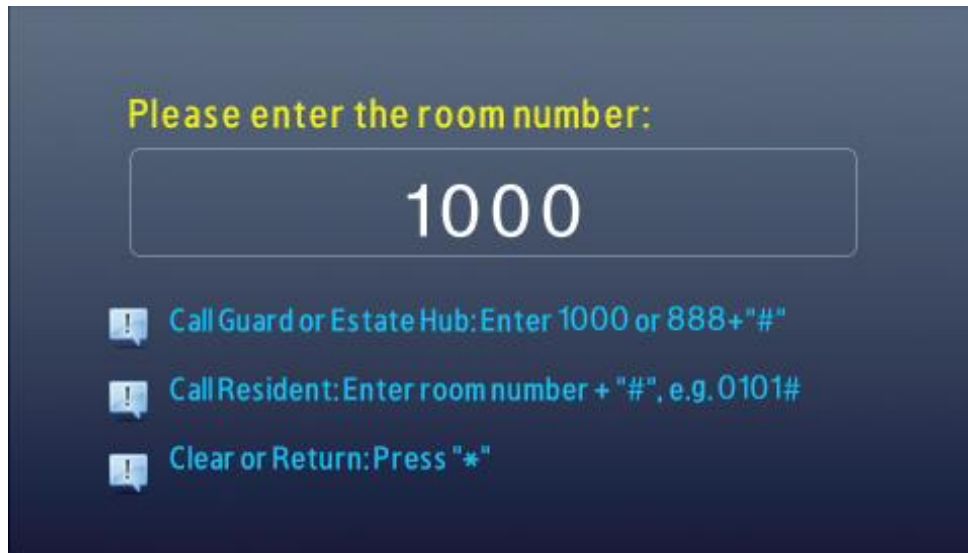Description: Call residents, unlock for visitors, and press "#" for additional functions.

I. Call Resident: a) Press the room number, such as 1, 01, 101, or 0101, to call the resident in apartment buildings.
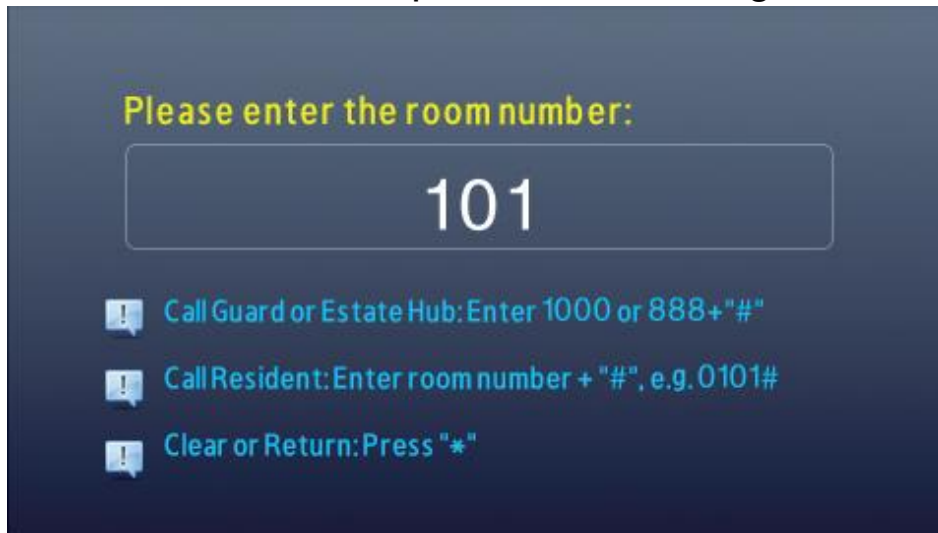
(b).When used for a community gate, press the entire 10-digit code to call the resident. For example, the first 6 digits represent Zone 01, Building 01, and Unit 01. The last 4 digits indicate the room number: "02" means Floor 02, and "04" means Room 04.

II. To call the Guard Station or PC Management Center, input "1000" to make the call.

Please enter the room number:

1000

Call Guard or Estate Hub: Enter 1000 or 888+"#"

Call Resident: Enter room number + "#", e.g. 0101#

Clear or Return: Press "*"

(2) Press "#" to access additional functions.

2024/04/30 16:04

Option Descriptions

Resident Password Unlock: Press "1"

Public Password Unlock: Press "2"

System Settings: Press "0"

Return: Press "*"

I. Resident Password to Unlock

Press "1" to unlock using the resident password. Input the full 4-digit room number and press "#". Then enter the 6-digit unlocking password (set in the monitor, default is "123456") and press "#" to unlock.

Enter room number:

Enter unlock password:

Please enter room number + "#" first

Then enter six-digit resident password + "#"

Clear or return: Press "*"

II.Public Password to Unlock

Press "2" to unlock using the public password. Enter the 6-digit public password and press "#" to unlock.

Default public password: "668899".
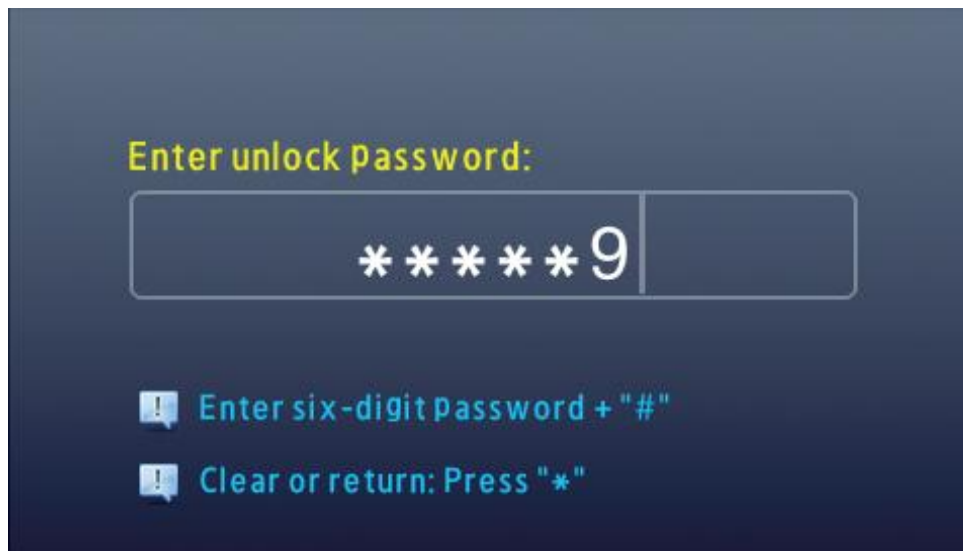
III.System Settings

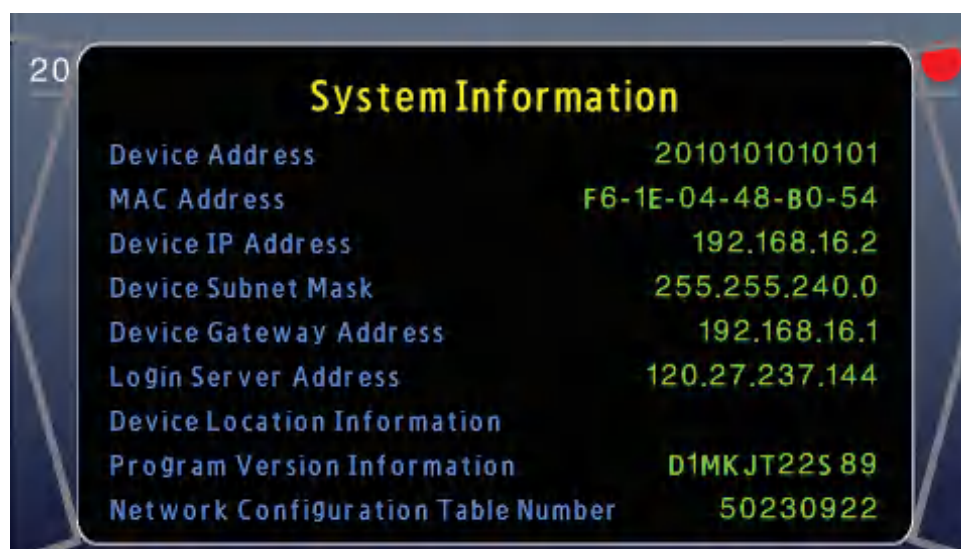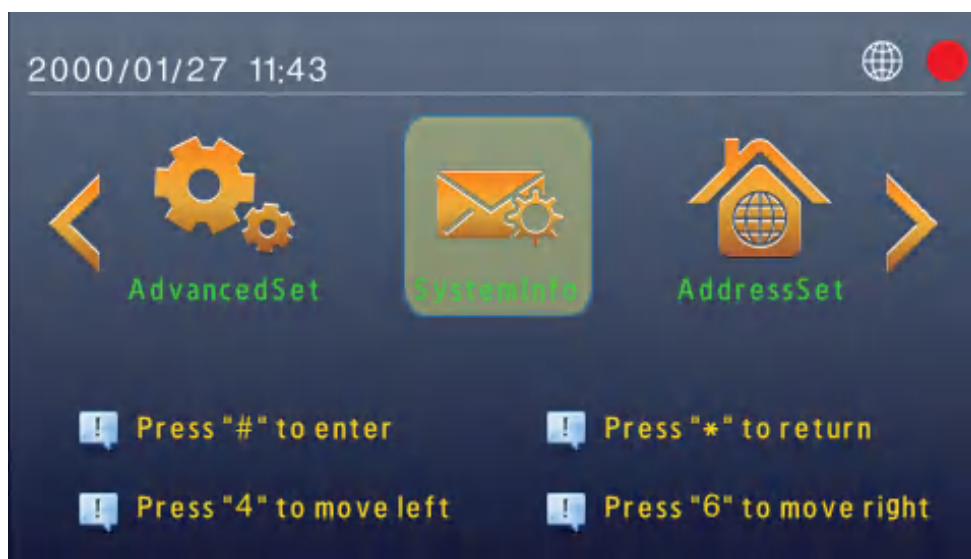Press "0" to access system settings. The default system password is "666666".
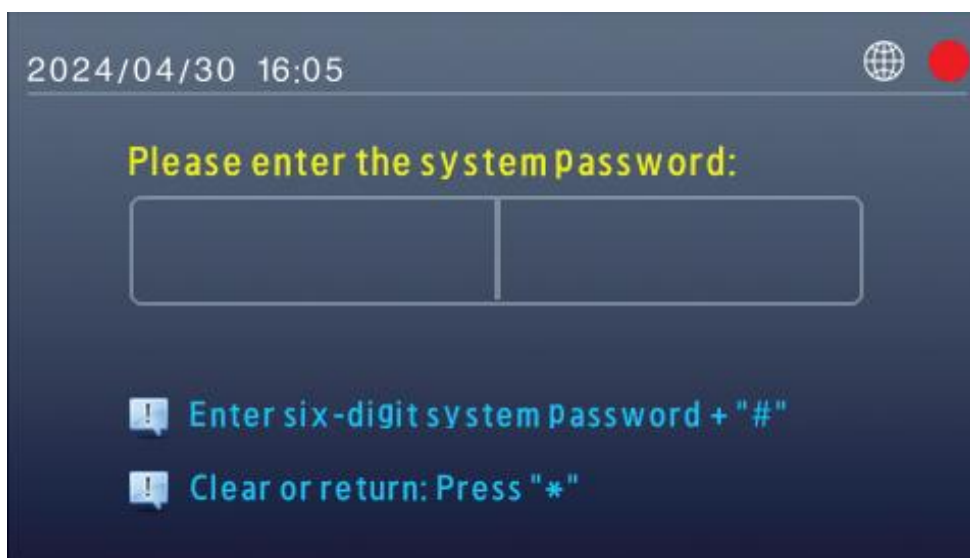
2.System Settings

The password to access system settings is "666666."
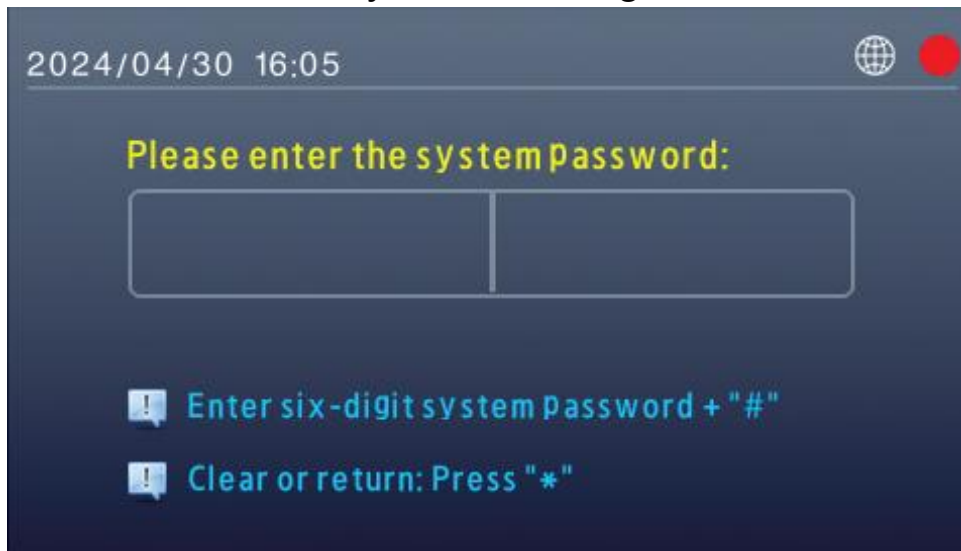
(1)System Info

This page displays the outdoor station's address code, MAC address, IP address, subnet mask, gateway, server IP, software version, and NetCfg version.

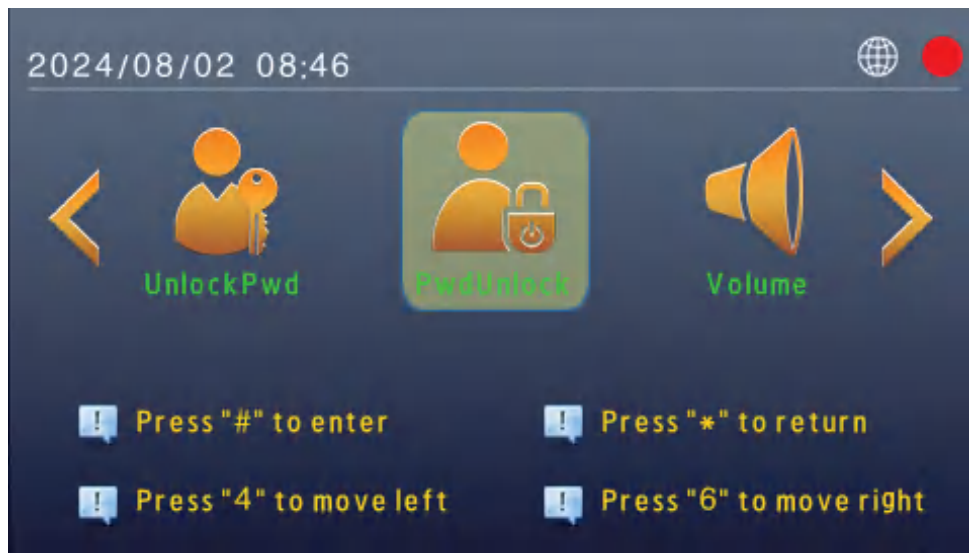## (2)Address
   Change the outdoor station's address code.

2024/08/02 08:45

SystemInfo   AddressSet   UnlockPwd

Press "#" to enter   Press "*" to return

Press "4" to move left   Press "6" to move right

20

Address Setting

Enter Address: 2010101010101|

Press "#"to confirm, "*"to clear or return

(3)Unlock Pwd
   Change the public unlocking password (default: "668899").

2024/08/02 08:45

AddressSet   UnlockPwd   PwdUnlock

Press "#" to enter   Press "*" to return

Press "4" to move left   Press "6" to move right

Public Unlock Password

New Pwd:

Confirm:

❗ Hijacked pwd is reverse of public pwd

❗ Press "#" to confirm, "*" to clear or return
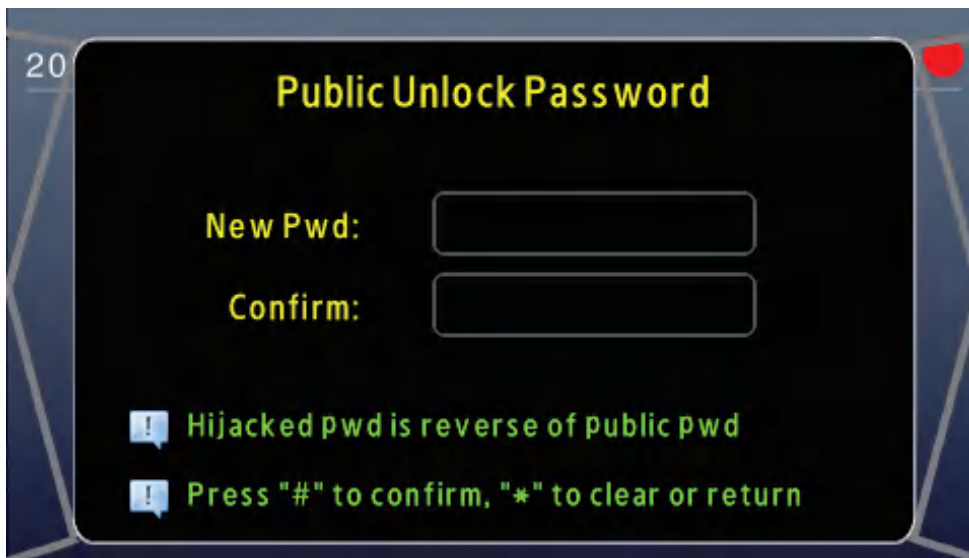
(4)PwdUnlock
  Enable or disable the public password unlock and resident password unlock functions.

2024/08/02 08:46

UnlockPwd   PwdUnlock   Volume

❗ Press "#" to enter   ❗ Press "*" to return

❗ Press "4" to move left   ❗ Press "6" to move right

Password Setting

Resident Pwd: Enable   Disable

Public Pwd: Enable   Disable

❗ "1"or"2"to select,"4"or"6"to enable/disable

❗ Press "#" to confirm, "*" to return
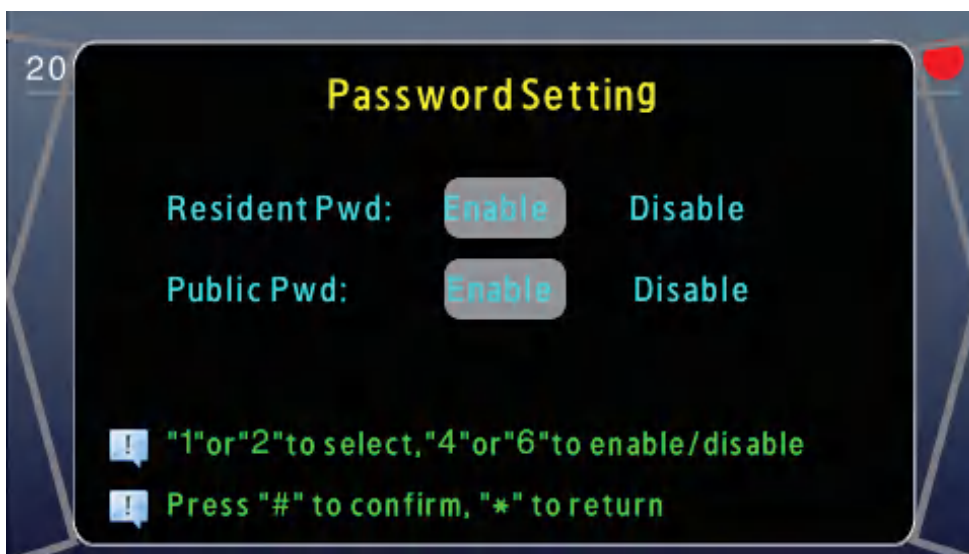
(5)Volume

Adjust the call, ringtone, and key volume. Press 1, 2, or 3 to select an option, then press 4 or 6 to adjust. Press "#" to confirm the change or "*" to cancel and exit.
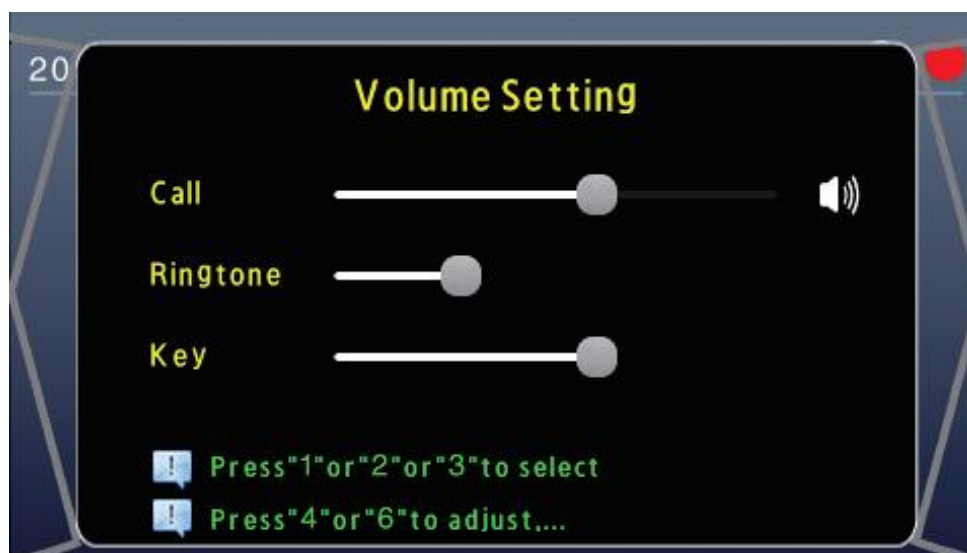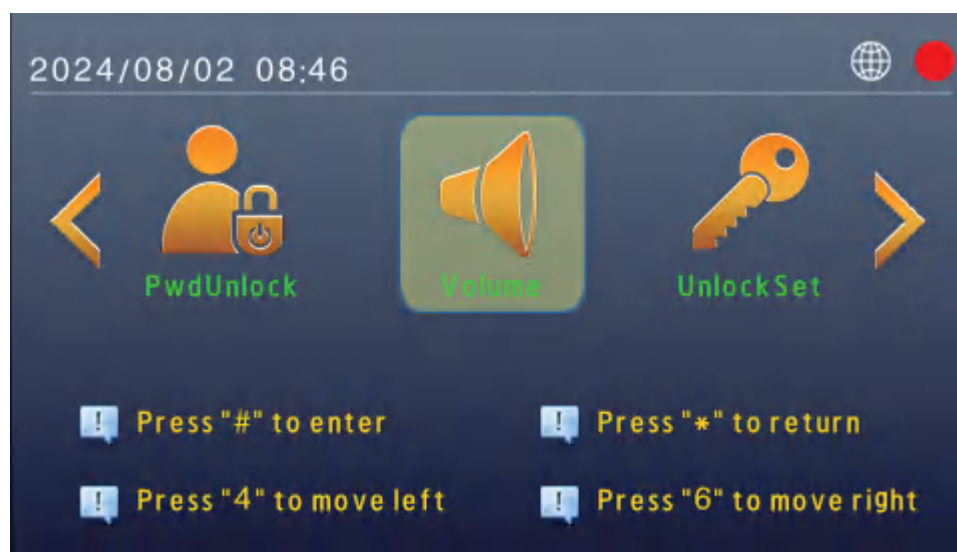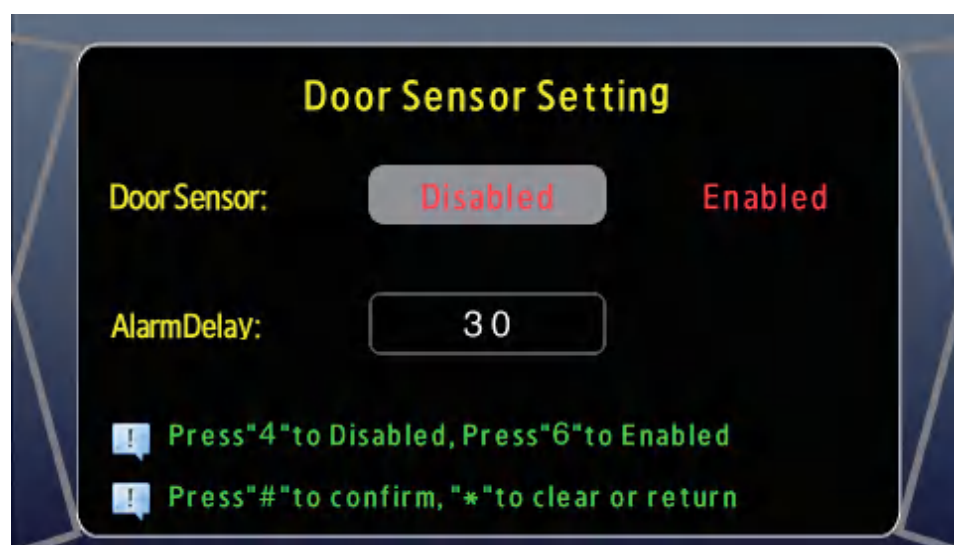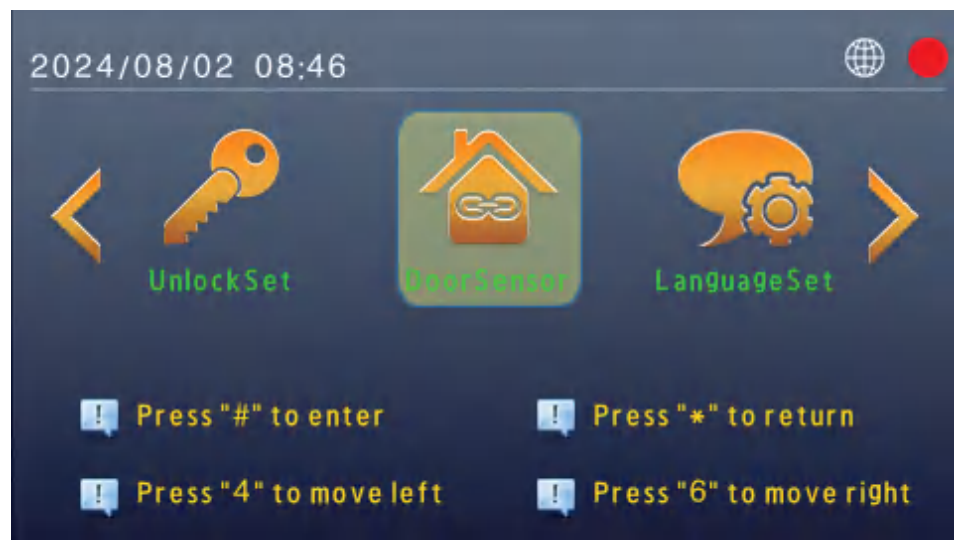

(6)UnlockSet

Set the unlocking duration time (in seconds). The default duration is 1 second.

Unlock Setting

Unlock
Duration: 1

!　Press "#" to confirm, "*" to clear or return
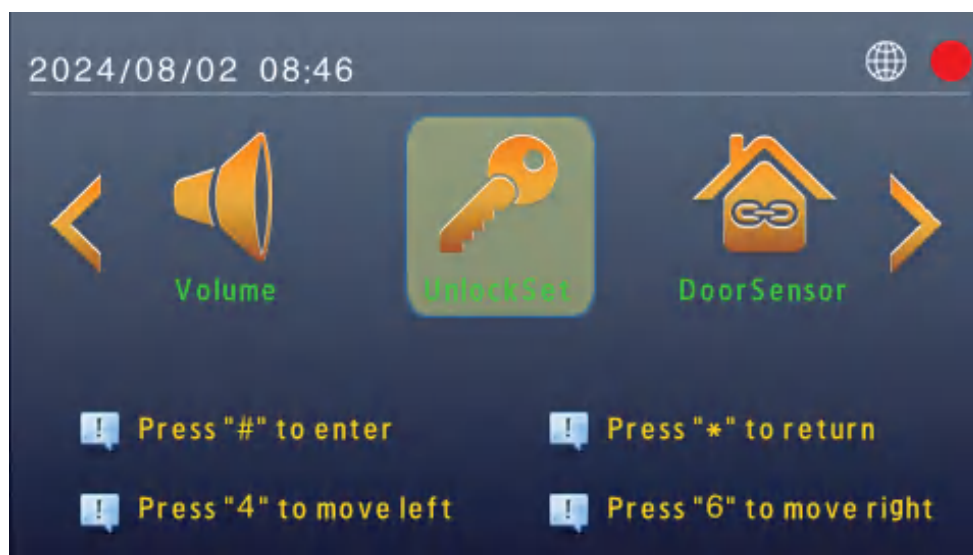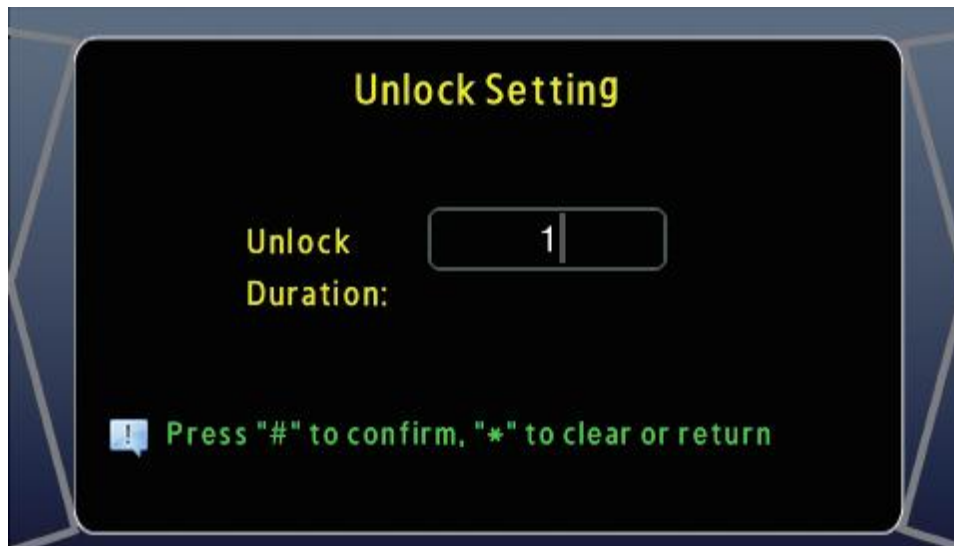
(7)DoorSensor
　Door sensor settings include enabling the sensor and setting the alarm delay time. The signal interface does not include a sensor.
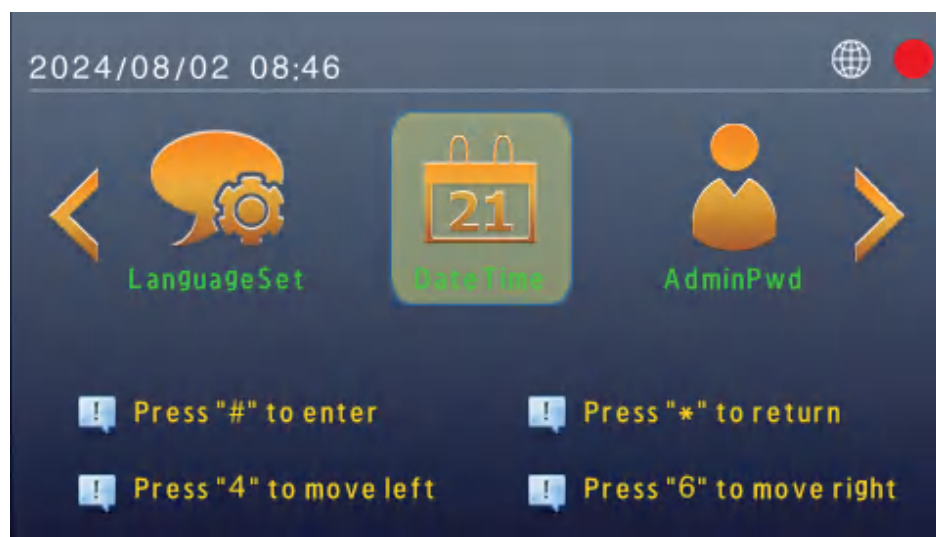
2024/08/02 08:46

< 　　UnlockSet　　DoorSensor　　LanguageSet　　>

!　Press "#" to enter　　　!　Press "*" to return

!　Press "4" to move left　　!　Press "6" to move right

Door Sensor Setting

Door Sensor:　　Disabled　　　　Enabled

AlarmDelay:　　　30

!　Press"4"to Disabled, Press"6"to Enabled

!　Press"#"to confirm, "*"to clear or return

(8)Language

The system offers two language settings. Available options include English, Turkish, Spanish, French, or a customized option.
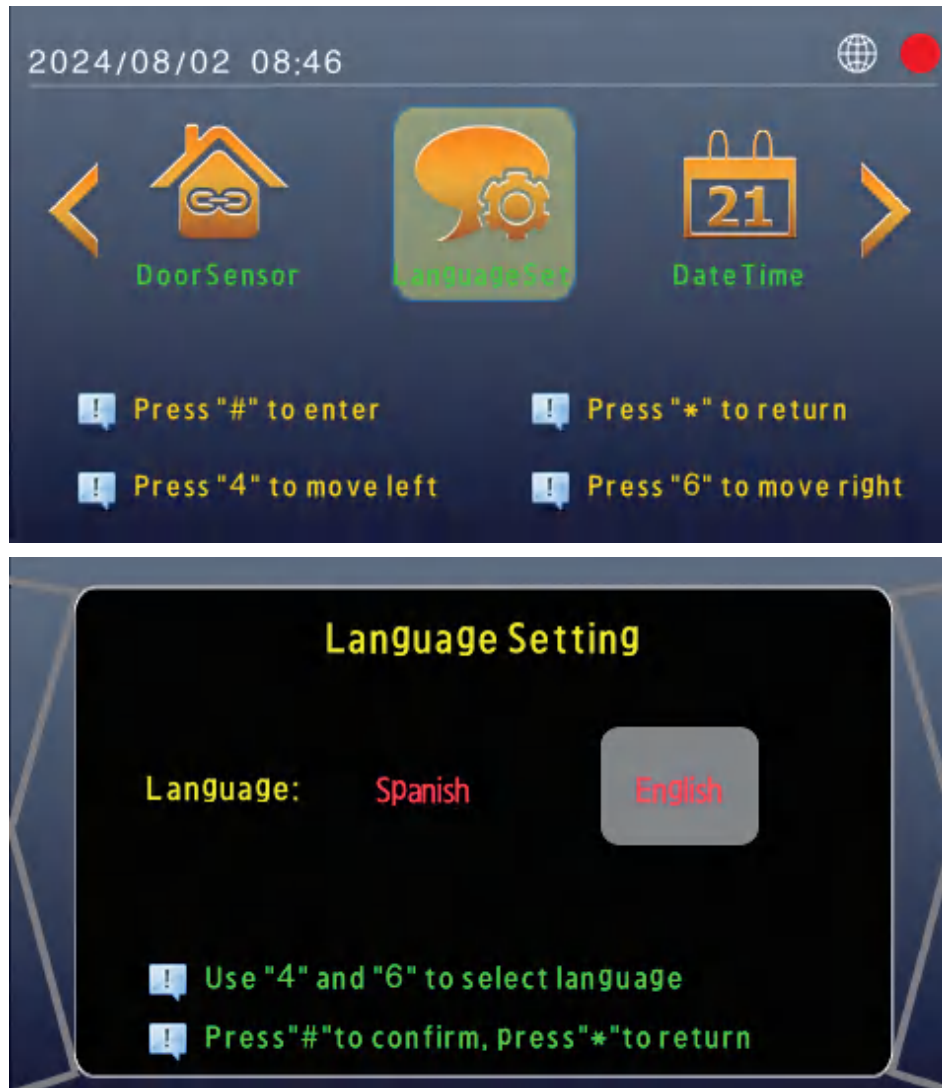
(9)Date Time

Set the date and time.

Date and Time Setting

Enter Date (YYYY-MM-DD):

2000 - 01 - 27

Enter Time (HH-MM-SS):

11 : 53 : 00

⚠ Press "#" to confirm, "*" to clear or return

(10AdminPwd

Change the system password. The default password is "666666."

2024/08/02 08:46 ⊕ 🔴

< **21** 👤 📇 >
DateTime AdminPwd CardSet

⚠ Press "#" to enter   ⚠ Press "*" to return

⚠ Press "4" to move left   ⚠ Press "6" to move right

Admin Password
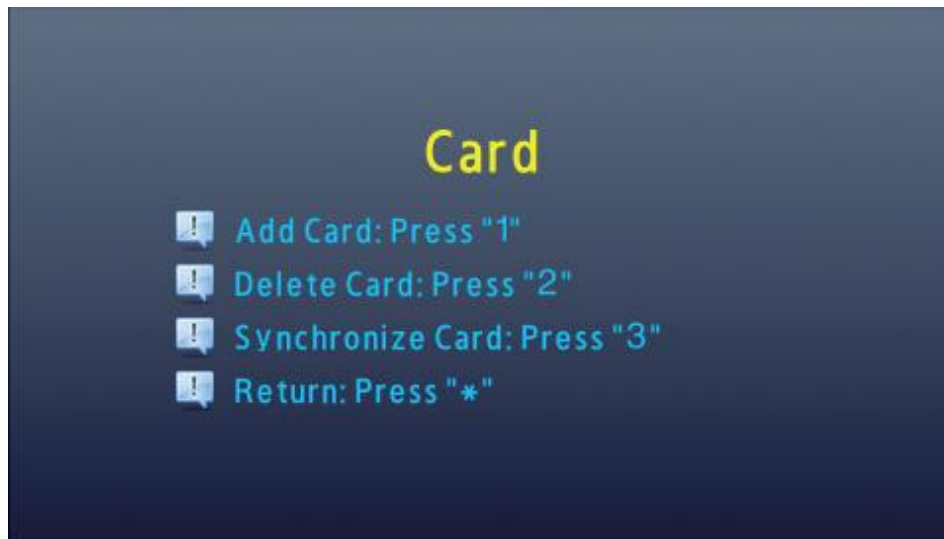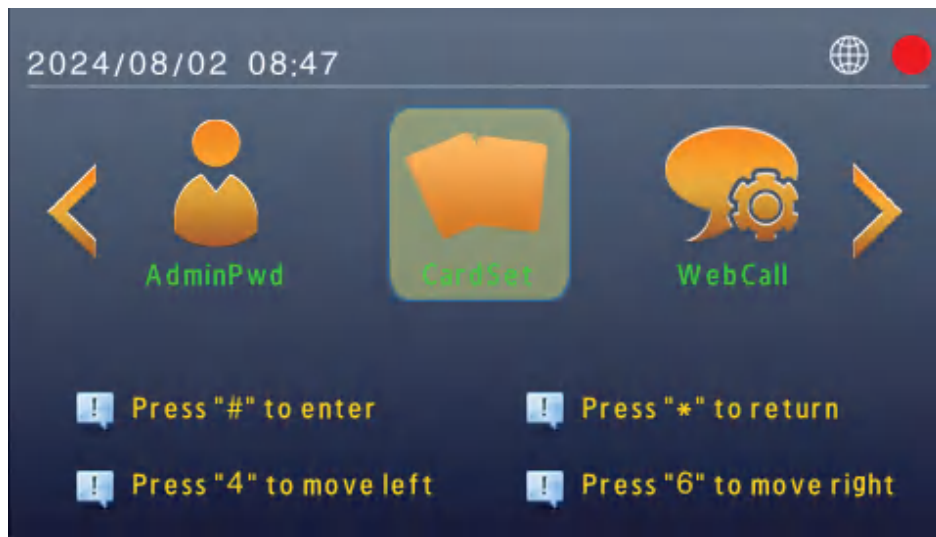
Current Pwd:

New Pwd:

Confirm:
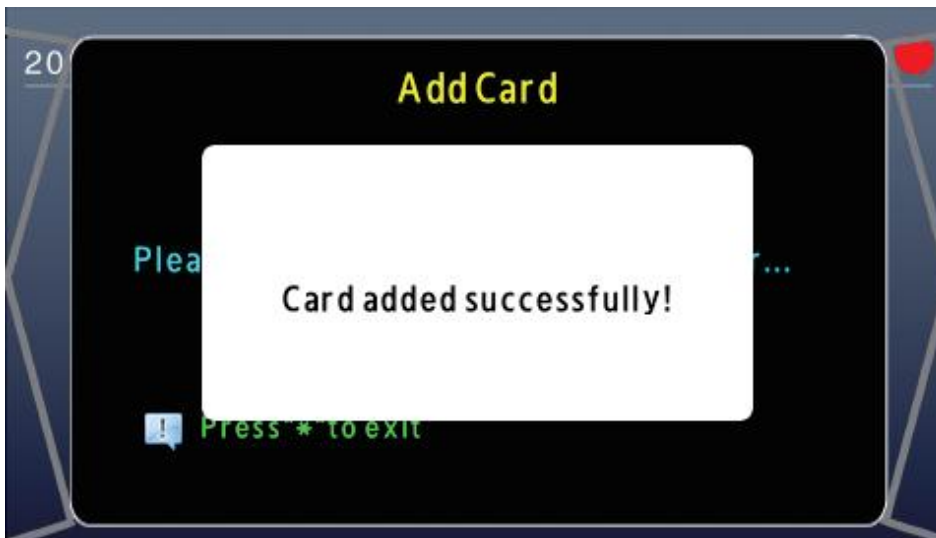
⚠ Press "#" to confirm, "*" to clear or return

(11)Card Settings
   Add, delete, and synchronize card information with the PC management center.

I.Press "1" to add cards. Input the 4-digit room number and press "#" to confirm. Then start adding cards. After swiping cards, press "*" to exit and test the card.

Add Card

Please place the card on the card reader...

Press "*" to exit

Add Card

Card added successfully!

II.Press "2" to delete cards.

Card Deletion

Delete by Card Number: Press "1"
Delete by Room Number: Press "2"
Delete All Cards: Press "3"
Return: Press "*"

① Press "1" to delete a card by card number. Input the card number or swipe the card, then press "#" to confirm and delete.

② Press "2" to delete by room number. Enter the 4-digit room number of the cards you want to delete, then press "#" to confirm. Proceed to the second confirmation: press "#" to confirm, or "*" to cancel and exit.
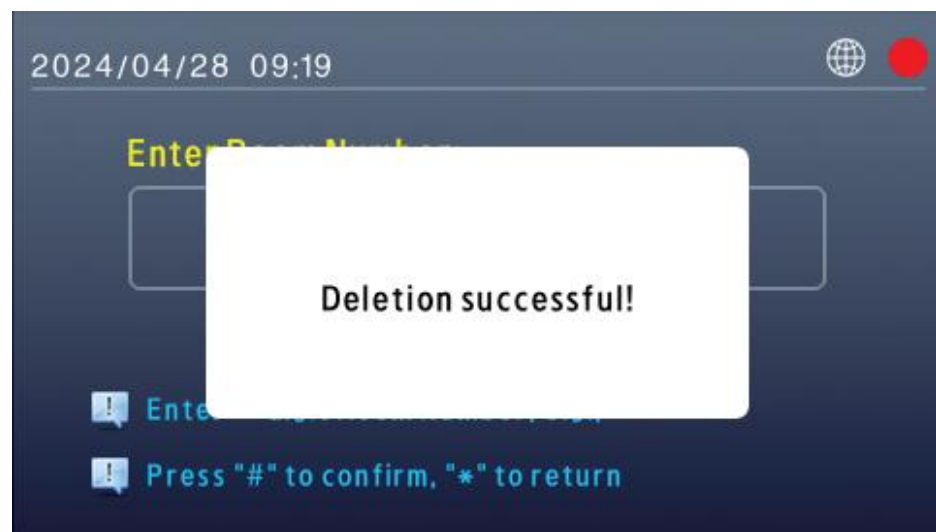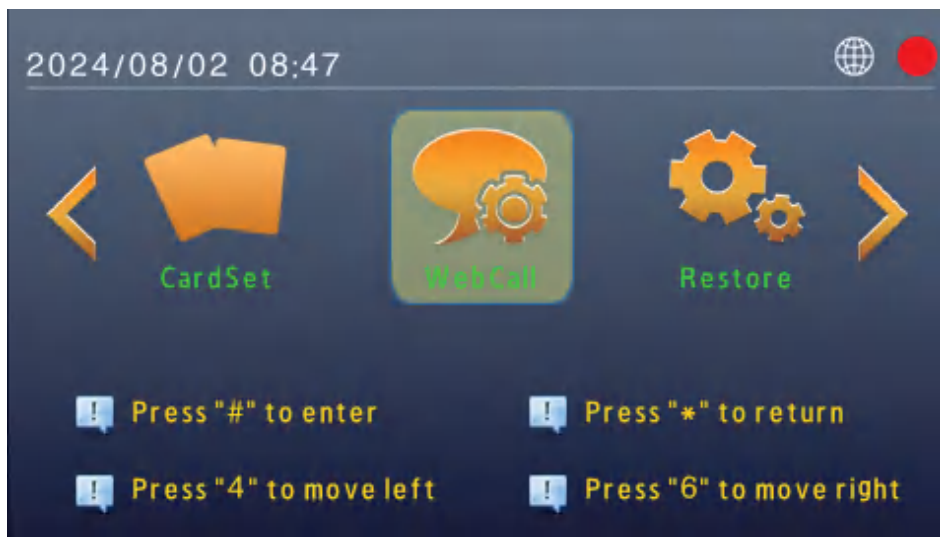

③ Press "3" to delete all card information. Then proceed to the confirmation page: press "#" to confirm, or "*" to cancel and exit.

Card Deletion

All local cards stored will be deleted, please confirm!

! Press "#" to confirm
! Press "*" to cancel

Card Deletion

Deletion successful!

III.Press "3" to synchronize card information with the PC management center.

(12)WebCall
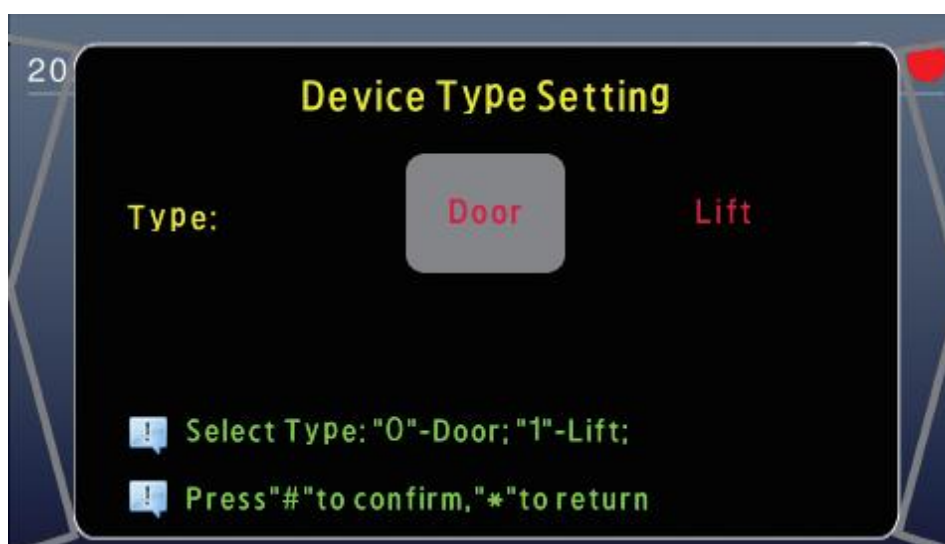   The WebCall function is not supported overseas. Press "4" to disable it, and "6" to enable it.

2024/08/02 08:47

CardSet   WebCall   Restore

! Press "#" to enter   ! Press "*" to return
! Press "4" to move left   ! Press "6" to move right

Wechat Set

Select: Disable   Enable

Server IP: 120.27.237.142

Port: 14302

"4"to Disable, "6"to Enable   Wechat for scan

Press"#"confirm, "*"to return

(13)Restore

Reset to factory settings. Press "#" to confirm, and "*" to cancel.

2024/04/28 09:24

WebCall   Restore   DevTypeSet

Press "#" to enter   Press "*" to return

Press "4" to move left   Press "6" to move right

Factory Reset

Are you sure you want to restore to

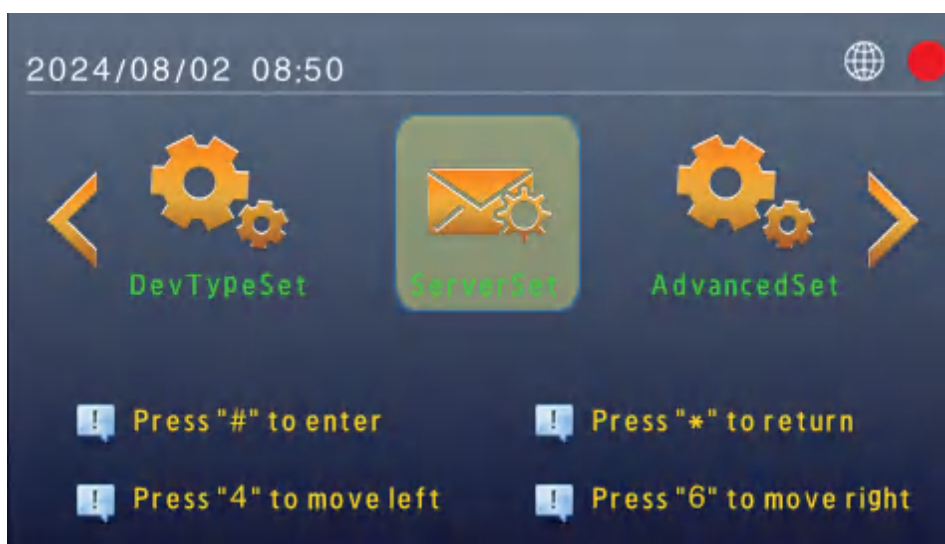factory default settings?

Press "#" to confirm, Press "*" to cancel
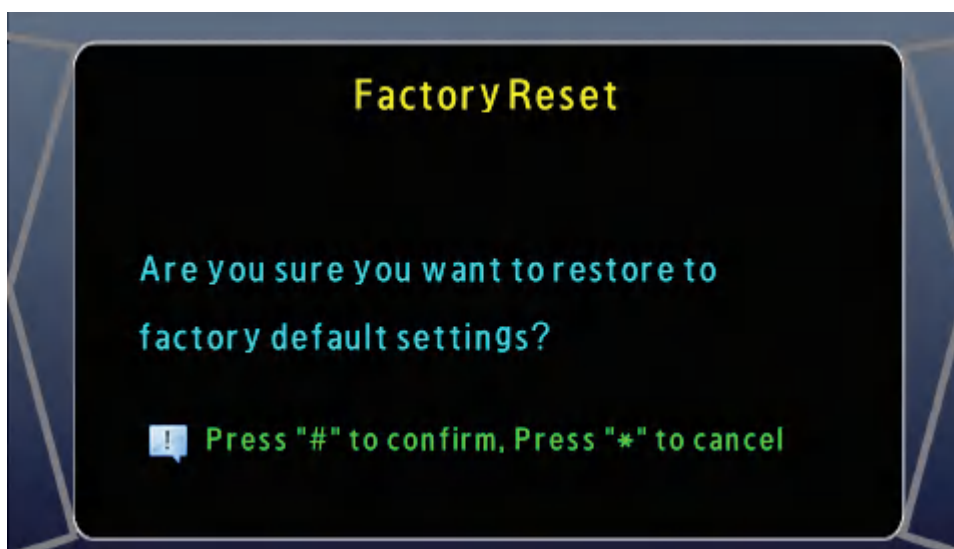
(14)DevTypeSet

Set device type: Press "0" to set as outdoor station, and "1" to set as lift device. Then press "#" to confirm the setting, while "*" is to cancel and exit.
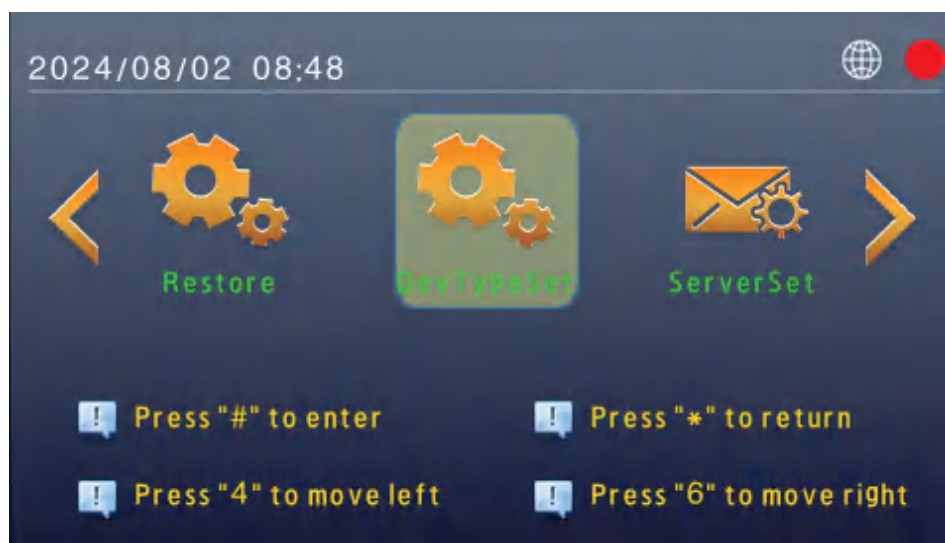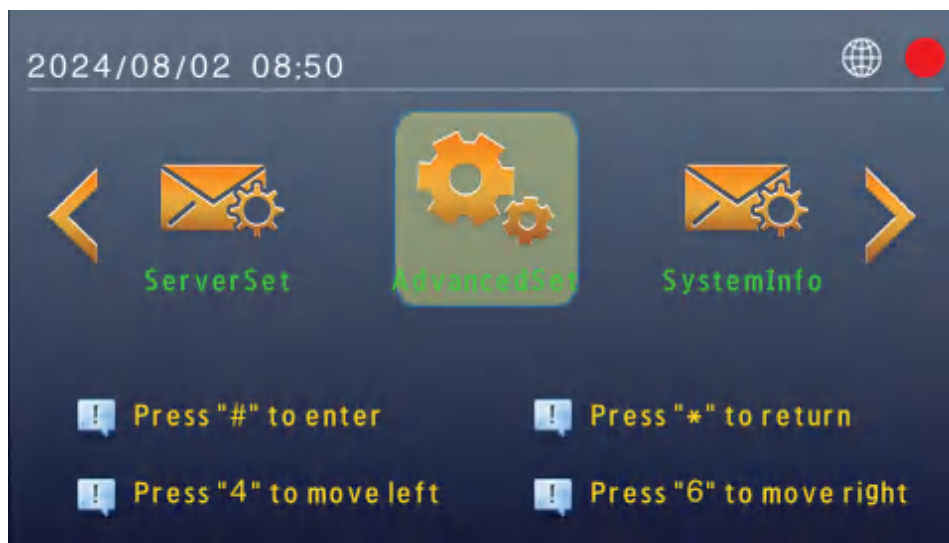

(15) Server Set

Set the WebCall server and port. Do not change the Server Address and Port.

Server Settings

Login IP Address: 120.27.237.142

Login Port Number: 14302

! Press "#" to confirm, "*" to clear or return

(16)Advanced Set

Set ring duration, call time, and device floor. Ring duration is the ringing time for calling the resident. Call time is the length of time a resident can talk after answering the call. Device floor indicates the location of the device: 0-5, where 0 is the ground floor and 5 is the 5th floor underground.

2024/08/02 08:50

ServerSet   AdvancedSet   SystemInfo

! Press "#" to enter   ! Press "*" to return

! Press "4" to move left   ! Press "6" to move right

Advanced Settings

Ring(S):   25S   30S   60S   90S   <

Call(S):   25S   30S   60S   90S

DeviceFloor: 0   (Range:0-5,1stfloor to-5thfloor)

! Press "2" or "8" to select the setting item

! Press"4"or"6"to select and"#"to save

Specifications

Outdoor Station

- Resolution: 1080P 2MP, 1 Camera
- Display: 4.3" TFT LCD
- Wide View Angle: 130°
- Connection Quantity: Up to 9999 Indoor Monitors
- Resolution: 480*272 Pixels
- Material: Aluminum Alloy Shell + Touch/Press Buttons
- Network Transmission Mode: TCP/IP Protocol
- Connection: CAT5 / CAT6 / 2 Wires
- Ethernet Interface: RJ45
- Power Supply: Non-standard POE Switch / Power Supply
- IC Card Capacity: Unlimited
- Operation Current: ≤500mA
- Operation Voltage: DC 12-15V
- Operation Temperature: -40℃ ~ +70℃
- Outline Dimensions: 360*140*50mm
- Installation Dimensions: 350*130*50mm
- Installation: Wall-mounted or Embedded

FAQ

NO	Malfunction	Reasons	Solutions
1	Why can't the outdoor station call the indoor monitor?	1.Network Connection Issues: The network cable is not properly connected or is of poor quality. 2.Insufficient Power Supply: The outdoor station may have unstable power or a faulty adapter. 3.Configuration Errors: Room number or extension number settings may be incorrect. 4.Device Malfunction: There could be physical damage to the outdoor station or indoor monitor.	1.Check the network connection to ensure the cable is securely connected and use high-quality CAT5 or CAT6 cables. 2.Confirm that the outdoor station has a stable power supply, using the appropriate voltage (DC 12-15V). 3.Verify that the room number and extension number settings are correct and unique. 4.Inspect the devices for physical damage and contact technical support if necessary.
2	Why can't the lock be opened?	1.Power Supply Issues: The lock may not be receiving power. 2.Wiring Problems: Incorrect wiring or loose connections may prevent the lock from functioning. 3.Incorrect Password: The entered password may be wrong. 4.Mechanical Jam: The lock mechanism might be jammed or malfunctioning.	1.Ensure the lock is connected to a reliable power supply and check the power adapter. 2.Review the wiring connections according to the installation diagram to ensure they are correct. 3.Verify the password and try entering it again. 4.Inspect the lock for any physical obstructions or damage and lubricate if necessary. If the problem persists, consider replacing the lock.
3	Why can't the indoor monitor connect to the Tuya app?	1.Poor Internet Connection: The Wi-Fi signal may be weak or unstable. 2.Incorrect Wi-Fi Settings: The monitor may not be connected to the correct Wi-Fi network. 3.App Compatibility: The Tuya app may not be updated or compatible with the monitor. 4.Incorrect QR Code Scan: The QR code might not have been scanned correctly during the setup.	1.Check the Wi-Fi connection and ensure it is stable. Try reconnecting the monitor to the network. 2.Verify that the monitor is connected to the correct Wi-Fi network and re-enter the password if needed. 3.Update the Tuya app to the latest version and ensure it is compatible with the monitor. 4.Re-scan the QR code in the app, making sure to follow the instructions carefully. If issues persist, restart both the monitor and the app.