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## **Important tips**

1. Fingerprint lock is a kind of hi-technical product, and its normal operation and life span are directly influenced by the installation. Therefore, we kindly suggest you to call in a professional to install it. Please open pores, supporting pits, buckle and buckle pores according to the indication of opening pore in the door plank. Pores should be opened accurately and the lock should be installed according to the indication strictly. If the lock cannot be opened (smoothly) after installation, please contact with the local distributors or our after-sales department to solve the problem.
2. If your house is sprucing up, it is suggested to uninstall the lock after you exanimate the locks and to reinstall them after the sprucing up. The reasons are: 1. To avoid the lock appearance being damaged by corrosives, and the wet paint on the door will influence the gearing of the lock. 2. Ethyl alcohol, paint and other chemicals will be used when we sprucing up the house, which will be volatized to accelerate to damage the lock surface and shorten its life span.
3. Before installation, please switch on all of the connecting wire and load the batteries, and then press the initialized button to initialize the lock and restore factory defaults.
4. When installing the lock, please do take the mechanical keys with you so as to unlock it if the door is close before you finish the installation.

# Registration form of users

For convenience, we make this form for administrator to record information of user registration. You can also make your form according to your specific requirements.

NO.	Department	Name	Fingerprint NO.	Date of registration	Signature	Remarks

# 1 Introduction of the fingerprint door lock

## 1.1 Features



## Introduction

Features: delicate appearance, reasonable structure, secure fingerprint lock.

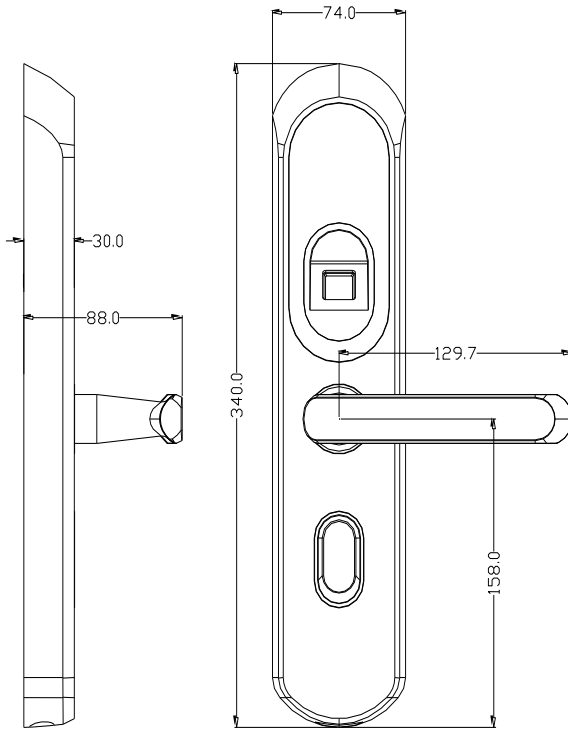
Applications: government, police station, army, banks, law court, hospital, office buildings, residential areas, etc.

## Functions

- We adopt the international advanced biotechnology to ensure its high quality; 4 pieces of AA batteries; handles can prevent the wreaking havoc.

- Way of opening the door:
  1. Fingerprint + password + card + mechanical key.
  2. Card + password + mechanical key.

## 1.2 Dimensions



## 1.3 Technical data

NO.	items	Technical data
1	Sensor resolution	Bright background, 500dpi
2	Sensor damage resistance ability	1000 times impact with 4H pencil
3	Starting time	<1 second
4	Ways of contrast	1: N
5	False rejection rate(PRR)	≤1%
6	False acceptance rate(FAT)	≤0.0001%
7	Finger point	360°
8	Fingerprint register module	Create one fingerprint module at one time
9	Fingerprint update mode	Auto update
10	Fingerprint information	The fingerprint information will not lose when the batteries is off of changed
11	Fingerprint capacity	100 pieces
12	Light interference	Avoid explosion under high light

13	Fingerprint collector	Hard glass, nanometer surface treatment
14	Static power consumption	< 30 micro amp
15	dynamic power consumption	The working current is under 200 mA
16	Control system	Dicaryon dual circuit single control
17	The fingerprint battery life	Open door for 5000 times
18	The combination battery life	Open door for 6000 times
19	Working voltage	DC 6V
20	Power supply mode	Battery powered
21	Combination capacity	100
22	Emergency power supply	DC 9V
23	Low voltage alarm	4.9V
24	Antistatic ability	Contact discharge 8KV, air discharge 15KV
25	Working temperature	-10°C to 55°C
26	Working humidity	10%-90%
27	Storage temperature	-20°C to 70°C
28	Combination design	Random combination
29	Combination length	6 digits
30	Open door method	Left open, right open

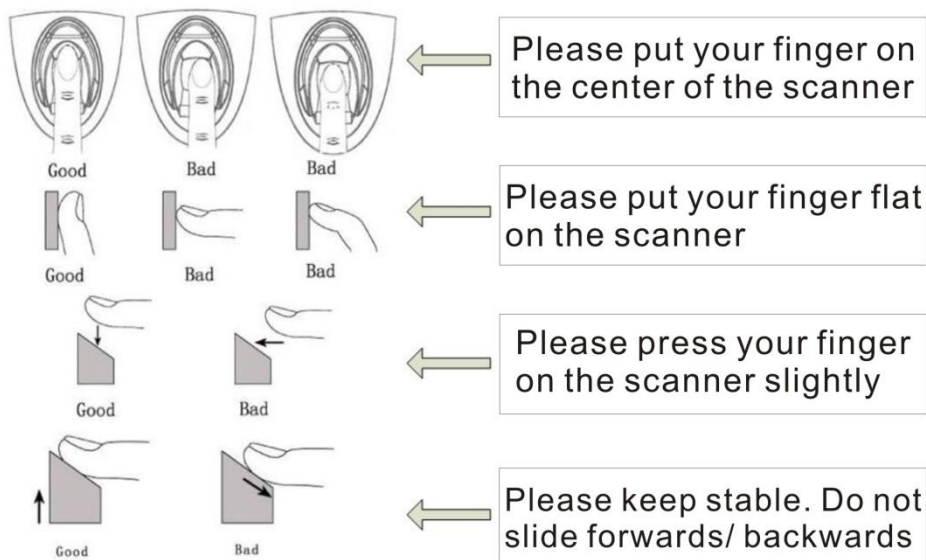
(Our company emphasize the technology update, we reserve the right to change parameters with prior notice.)

## 2 Operation

### 2.1 Ways to put finger

#### Remarks: please put your finger in right position

Please put your finger in fingerprint acquisition window with moderate force and keep your finger flat, for the fingerprint contains most of the image information. We contrast the right and wrong ways to put your finger in following pictures.



## Lock-out function

Pull the handle upwards inside or outside the door can make it lock out and realize the function of anti-theft bolt. Rotate the small knob in the back of the lock 45 degrees, the door will be deadlock, and it cannot be opened outside in any ways.



## 2.2 Setting card + password

→**Detached type:** Mifare card or password can be used alone to open the door



→**Combined type:** Mifare card or password should be used together to open the door



**Remarks: 1.** The default administrator password is 12345678. The unlocking pattern is detached.

1.1 The operation of detached pattern to combined pattern:

Enter the default administrator password 12345678 and press , then press the “6”, there will be 6 long beep and twinkling blue light, press  to confirm, once you hear a long deep of the buzzer, it indicates you switch the type successfully, or press “\*” to cancel your operation.

1.2 The operation of combined pattern to detached pattern:

Enter the default administrator password 12345678 and press , then press the “5”, there will be 5 long beep and twinkle blue light, press  to confirm, once you hear a long deep of the buzzer, it indicates you switch the pattern successfully, or press “\*” to cancel your operation.

**2.** Under combined pattern, if you use card first (of press  after entering the password), there will be sounds of “Di Di” and twinkling blue light, then enter unlocking password and press  (or card) in 10s, the door will open after blue light twinkles.

### Operation of the Mifare card

(1) Administrator card

Functions: set and delete the effective unlocking card, and can open the door.

(2) Unlocking card

Functions: opening the door and setting the keep-open state

(3) Mechanical key

Functions: emergency unlocking, installing administrator card.

**Remarks:** Before enter the password, please touch the keypad slightly until the blue light turn on.

### 1. Setting administrator card & deleting administrator card

1.1 Swiping mechanical key for 5 times to delete all cards and password.

1.2 After deleting operation, swiping the first card until a short beep and a long beep, the card is set to be the administrator card.

### 2. Setting unlocking card

## 2.1 Entering setting card state

Swiping administrator card, with a sounds of “ Di “ , the elevator rotating, and with twinkling blue light, the door can be opened. The light will turn off after opening. Without opening the door, swiping administrator card, there will be a sounds of “ Di “ , and slowly twinkling blue light, means it is under setting card state, and the card is unlocking card. If there is no any effective IC card to be checked in 5s, two sounds of “Di Di “ beep, means setting card procedure is over.

2.2 Under setting card state, using IC card approaching the card reader on the lock, it means the card is successfully set after you hear short sounds of “ Di “ and long sound of “ Di “. Repeating this operation can set other unlocking card. If the card is existing before, you will hear two short sounds of “Di” . 200 pieces of cards can be set at most.

## 3. Deleting unlocking card

### 3.1 Deleting single unlocking card

Swiping the administrator card for 3 times, blue light twinkling in normal speed, approaching the card you want to delete to card reader, after a short sounds of “ Di “ and a long sounds of “ Di ”, it means the card is deleted. Repeating this operation can delete other unlocking cards. If the card is not existing, you will hear 6 short sounds of “ Di “.

### 3.2 Deleting single lost unlocking card

Swiping the administrator card for 4 times, the blue light twinkling quickly, approaching the card before the lost one to card reader, after 6 short sounds of “ Di “, means the lost card is successfully deleted. If the first unlocking card is lost, using the last one.

### 3.3 Deleting all unlocking cards

Swiping administrator card for 5 times, with 3 long sounds of “ Di ” and twinkling blue light, the deleting operation is finished, thus cancelling all unlocking cards. The former unlocking cards can not unlock the door any more, you can only use main controlled card setting the unlocking card again to unlock the door.

Remarks: The position of newly added card is following behind the deleted card.

## 4. Unlocking the door

4.1 Approaching the card reader with effective IC card, if there is a sound of “ Di “ , the elevator rotating, and the blue light twinkling, indicates the door is unlocked. If it is detected the unlocking operation, the door will be automatically locked. If no unlocking operation is detected, 5s later, blue light off, the door will also be automatically locked.

**Remarks:** ① If the unlocking card is not effective, there will be 6 short sounds of “ Di “ , and twinkling blue light.



② If in a low voltage, there will be 3 compact sounds of “ Di “, and twinkling blue light. After the first low voltage alarming, you should change the batteries to ensure normal use of the door lock.

#### 4.2 Mechanical key to open the door

You can use the mechanical key to open the door when it is in current error or low voltage state.

### 5. Locking alarming prompt

5.1 There will be alarming prompt if the door does not well lock.

When closing the door with the latch bolt inside or partial outside( so-called false locking), there will be alarming prompt and twinkling blue light, until the door is locked well again.

### 6. Setting keep-open(passageway) state

6.1 Setting keep-open(passageway) state:

Press the back handle and retract the dead bolt, then swiping the unlocking card or entering unlocking password. There will be a long beep of the buzzer and the blue light twinkles for 1 time, the elevator rotating to open the door, the door is set as keep-open(passageway) state.

6.2 Canceling the keep-open state:

Press the back handle and retract the dead bolt, then swiping the unlocking card or entering unlocking password. There will be a short beep of the buzzer and the blue light twinkles for 1 time, the elevator rotating to lock the door to cancel the keep-open state. You can also directly swipe administrator card or enter administrator password to cancel the keep-open state.

### Operation instructions:





#### (1) Administrator password

Functions: setting and deleting valid unlocking password, and can also open the door.



#### (2) Unlocking password:




Function: open the door.

### 1. Changing the administrator password

1.1 Entering the default administrator password(12345678), press , the elevator rotating and the blue light twinkling in normal speed, then enter new password and press , after hearing long beep of the buzzer, and the blue light twinkling quickly, enter the new password again. If the blue light of the  is on and 3 times of long beep is heard, it means the administrator password is changed successfully. If the password you secondly entering is wrong, press , entering the password again after hearing 5 times of “Di”, or press “\* ” to finish the password changing.

### 2. Setting unlocking password

2.1 Entering the administrator password, press , the elevator rotating and the blue light twinkling in normal speed, then enter new password and press , after hearing long beep of the buzzer, and the blue light twinkling quickly, enter the new password


again, and press . If the blue light of the  is on and 2 times of long beep is heard, it means the unlocking password is set successfully. If the password you secondly entering is wrong, press , entering the password again after hearing 5 times of “Di”. Repeat this operation can set other unlocking password. If the password is existed already, you will hear 4 times of short beep of the buzzer, 50 pieces of unlocking passwords can be set at most. Or, you can press “\* ” to finish the password setting.

### **3. Deleting or changing unlocking password**




#### **3.1 Deleting single unlocking password**

Enter the 8-digit administrator password and press “ 4 ”, hearing long beep, the blue light twinkling. Then enter the password before the unlocking password you want to delete, after long sounds of “ Di “, means the unlocking password is successfully deleted. If the first unlocking password you want to delete, enter the last one. Or you can press “ \* ” to finish the operation.

#### **3.2 Deleting all unlocking passwords**


Entering 8-digit administrator password and press “ 0 ”, hearing long beep, and blue light twinkling quickly, then press  to confirm. When you hear 3 times of long “Di”, and the blue light twinkling, the deleting operation is finished, thus all original unlocking password is canceled. Or you can press “ \* ” to cancel you operation.

#### **3.3 Changing unlocking password**


Enter original 6-digit password and press “ 1 ”, hearing long beep, and blue light twinkling. Then enter new 6-digit password and press , hearing 2 time of long beep, and blue light twinkling, enter your new password again and press . After hearing 3 time of long beep, and blue light twinkling, it means the password is changed successfully, and the original password is invalid at the same time. if the password you enter in second time is wrong, press  and enter the password again after hearing 5 times of “ Di ”. Or press “ \* ” to cancel your operation.

### **4. Door open patterns**

#### **4.1 Administrator password**

Entering administrator password and press , if there is a sound of “ Di “, the elevator rotating, and the blue light twinkling, indicating the door is unlocked. If it is detected the unlocking operation, the door will be automatically locked. If no unlocking operation is detected, 5s later, blue light off, the door will also be automatically locked.

#### **4.2 Unlocking password**

Entering unlocking password and press , you will hear a sound of “ Di ”, the elevator rotating, and blue light twinkling slowly, indicating the door is opened. If it is detected the unlocking operation, the door will be automatically locked. If no unlocking operation is detected, 5s later, blue light off, the door will also be automatically locked.

**Remarks:** ① If the unlocking card is not effective, there will be 3 short sounds of “ Di “, and blue light off.

② If in a low voltage, there will be 3 compact sounds of “ Di “, and blue

light off. After the first low voltage alarming, you should change the batteries to ensure normal use of the door lock.

### **5. Special notice:**

5.1 For your property safety, please change the administrator password immediately and delete all unlocking password after installing the lock.;

5.2 In order to improve security, it is supported messy code function. For example, the original password is 123456, you can add numbers in front or behind the original password( the digit of the password is no more than 12), such as 012“ 123456 ”789.

5.3 Mechanical key is important for the setting of administrator card and administrator password, can also unlock the door in emergency case. So it is suggested that a special person keep the mechanical key.

### **Main functions:**


- Card mode: Mifare induction card
- Entering password by touching button
- Microwave checking
- Set unlocking pattern by yourself: Mifare card or Mifare password open the door alone/ Mifare card and Mifare password used together to open the door
- The card can be set on the lock, instead of system software, 2 pieces of administrator cards and 200 pieces of unlocking cards can be set at most.
- The password can be changed by yourself, 1 administrator password and 50 unlocking passwords can be set at most.
- It is supported messy code function, and the digit of the password is no more than 12
- Can be set keep-open state
- False lock alarming
- Low voltage alarming
- Battery powered, can connect external emergency power

### **Main technical data:**

- Working voltage:6.0V(4 alkaline batteries)
- Static power consumption: <100uA
- Dynamic power consumption: <300mA
- Battery lifespan: more than 10 months (4pieces of 5# certified alkaline batteries)
- Low voltage alarming: 4.8V
- Card reading distance: >25mm
- Working temperature: 0°C - 70 °C|
- Working humidity ≤80%






## 2.3 Setting of fingerprint + password + card





### Door open patterns:




- 1. Password:** Press the key of \*, the screen will be lighted and powered. Then put in the password and press . When you hear the music, the door will be opened. The password capacity is 100 groups.
- 2. Fingerprint:** Open the slide cover, and put your finger on the fingerprint reader. When you hear the music, the door will be opened. The fingerprint capacity is 100 pieces.
- 3. Card:** Keep the unlocking card close to the card reader, when you hear the music, the door will be opened. The card capacity is 100 pieces.
- 4. Mechanical keys.**




### Operation Instructions:






**1. Initialization:** Long-press the switch of initialization on the circuit board and do not loosen your finger until you hear the voice prompt of “Password and Card have been deleted”. And the initialization will be finished. At this moment there is no any effective cards or fingerprints and the administrator password is 123456.




**2.Changing the administrator password:** The default administrator password is 123456. Press “ \* +  + administrator password + ” to enter the programming mode. Next, press 8 +  and put in a new administrator password ending with pressing . Then put in the administrator password second time and end with pressing . The setting will be finished when you hear a long sound. This administrator password can also open the lock.


**3. Adding a guest password:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 7 +  and put in a 2-digit user defined password number (from 01 to 99, should be registered in the form). Then put in a guest password ending up with pressing the  and repeat this again. The setting will be finished when you hear a long sound.

**4. Adding a guest fingerprint:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 6 +  and put in a 2-digit user defined number for the guest fingerprint (from 01 to 99, should be registered in the form). Then put your finger on the fingerprint scanner till you hear a long sound. The setting is complete.




**5. Deleting all of the guest fingerprints and passwords:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 1 +  and repeat it again. When the indicator light off, all of the guest fingerprints and passwords are deleted without changing the administrator password.





**6. Deleting a guest fingerprint:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 4 +  and put in the 2-digit fingerprint number you want to delete and end up with pressing . Repeat the 2-digit number +  and the fingerprint is deleted.




**7. Deleting a guest password:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 5 +  and put in the 2-digit password




number you want to delete and end up with pressing . Repeat the 2-digit number + LOCK and the password is deleted

**8. Setting keep-open state:** Opening the lock by fingerprint or password, press the handle to keep opening the door for 5 seconds until you hear a long beep, and blue light on, and leave your hand, the setting is finished. Opening the door by fingerprint or password can cancel the keep-open state.

**9. Adding a card:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 9 +  and hold the card to the card reader. (Adding cards continuously is available)

**10. Deleting a card:** Press “\* +  + administrator password + ” to enter the programming mode. Next, press 3 + , and put in the number of the card + .

**11. Volume adjustment:** Press “\* +  + administrator password + ” to enter the programming mode. Then press 2+ to adjust the volume. 1 is to decrease to volume while 3 to increase.

**12. Chinese & English shifting:** Press “\* +  + administrator password + ” to enter the programming mode. Next, pressing 0 +  can shift language between Chinese and English.

## 2.4 Alarming function

### Low voltage alarming

When it is in low voltage, every time opening the door by fingerprint or password, you can hear the sound of “ DiDi .”

### Backup power

When the batteries are totally out of power and mechanical keys are not available at the same time, please connect the 9V layer-built battery to the power interface under the front lock body to power the combination, and then put in password to open it.

## 2.5 Installing / replacing batteries

### Installing batteries

Unscrew the battery cover, slide it upwards, take it away, and put in 4 pieces AA batteries of 1.5V voltage. Then put the cover back and screw it.

## Replacing batteries

When the batteries is in low power, the red light twinkling and with alarming sound every time you open the door.

- A. Using the battery of wrong model will cause explosions.
- B. Please use Carbon zinc / Alkaline manganese dioxide battery of brands only.
- C. Please follow the local environmental laws to handle the waste batteries.
- D. If handled improperly, the waste batteries may cause explosions. Please do not charged or decompose the waste batteries or put them into fire.
- E. Please do follow the manual to use batteries.
- F. Please install the batteries by correct positive and negative pole following the instruction directions.
- G. Please put the batteries in the places that children and pets cannot reach.
- H. If the lock is not used for a long time, please take off the batteries.
- I. Do not use the new batteries with the old ones together.
- J. If your skin or clothes touch the liquor of the batteries, please flush with water immediately. If your eyes touch it, immediate water flushing is necessary and then go to a doctor.

## 2.6 Remarks

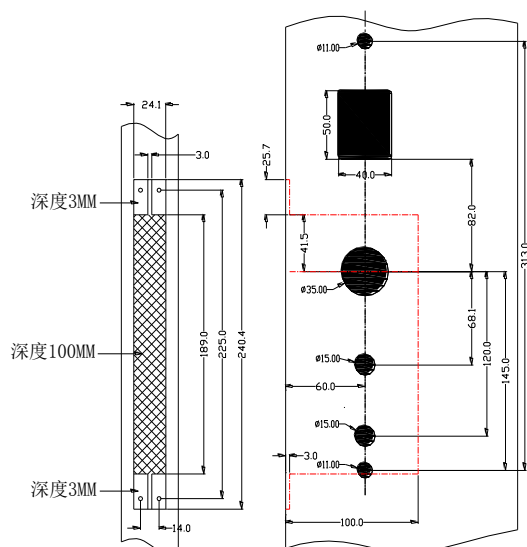
2.7.1 When you add a new user, please do record the user number for administration.

2.7.2 Instruction sound remarks: The sound of long “Di ” means successful operation, while the sound of short “DiDi ” means failed operation.

# 3 Installation Procedures

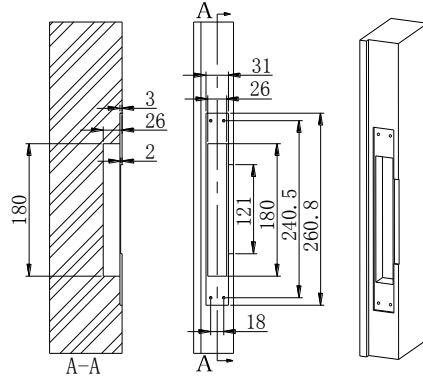
## 3.1 Opening pores on the door

This product can be used in wooden doors and anti-theft doors with thickness over 40MM.



## 3.2 Opening pores on the lock holder case

Open pores as below. Make sure they keep accordance with the lock and parallel with the door case when locking.

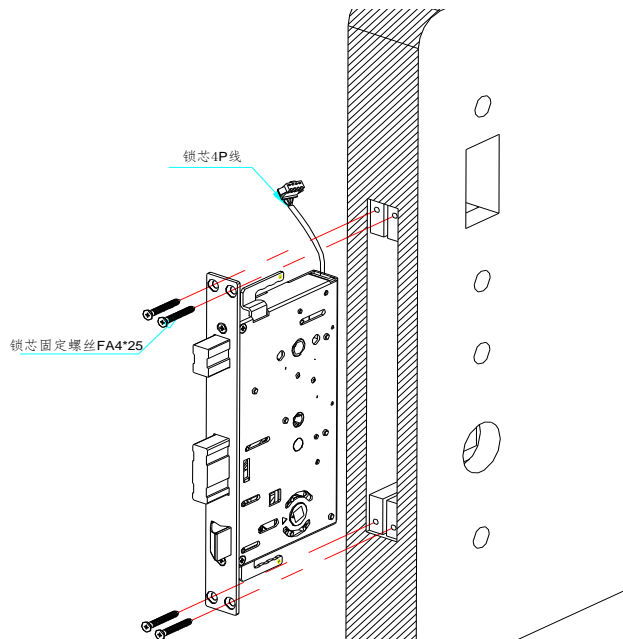


## 3.3 Installation procedures

Before installation, please put through all of the connecting wire and install the batteries, press the initialization button on the circuit board to initialize the lock firstly, which will also delete all of the passwords, cards and fingerprints to restore the factory setting.

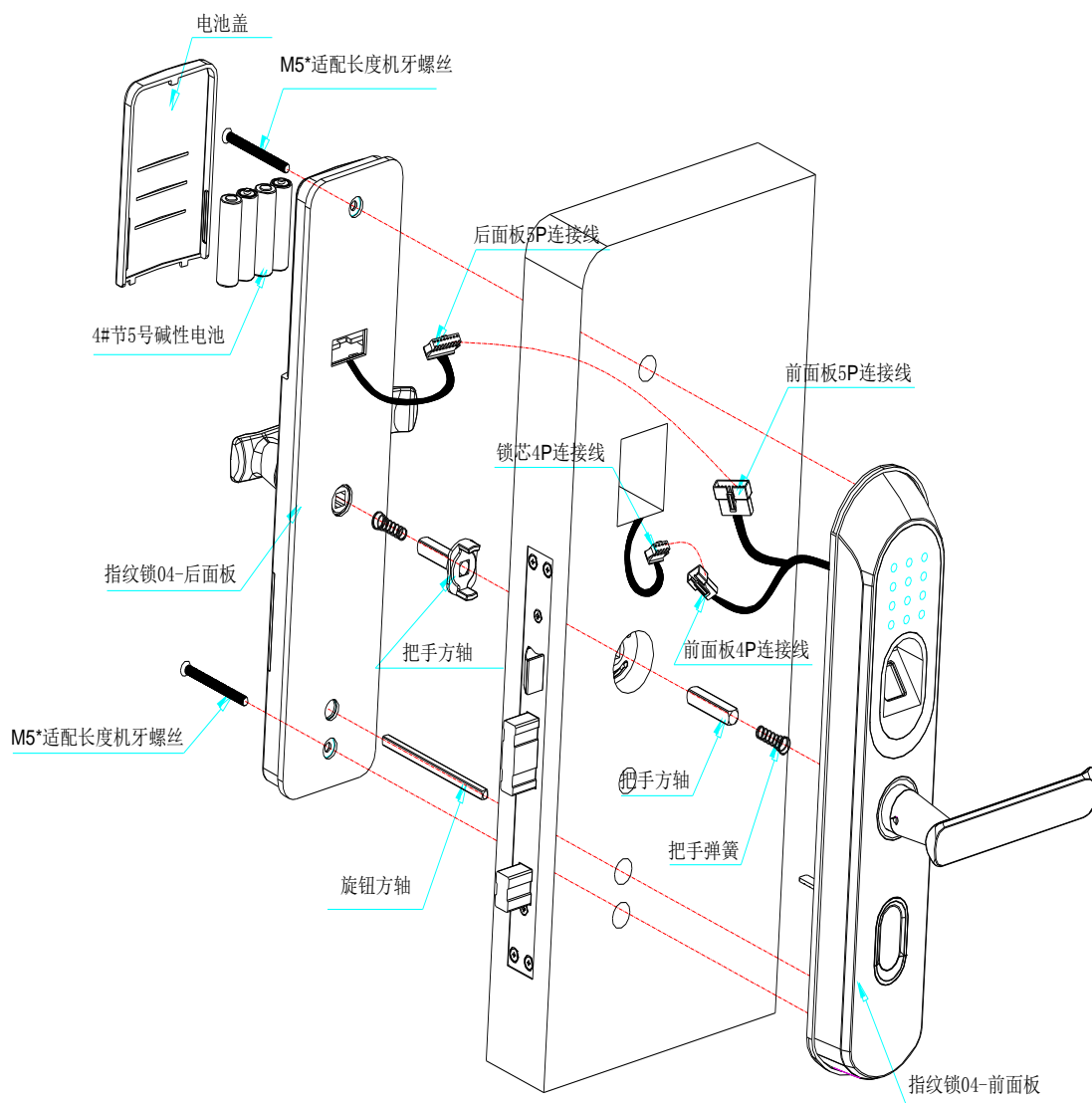
### Installing lock cylinder

Following the picture below, take the lock cylinder with its connecting line on the upper side to install in the cylinder pore on the door. Using 4 pieces of FA 4 \* 25 countersunk head self tapping Screws to fix it.



## Installing the front and back lock body

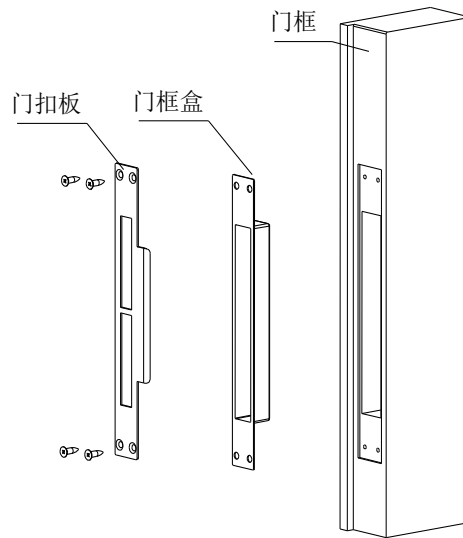
Before installing the lock body, please check if the handle springs fall off, and put the handle square shafts into the lock cylinder. As showing below, the 4P line of the front body connect the cylinder, the 5P line connect the back body and the square shaft of deadbolt should be put in the pore of cylinder. Then fix the body with 2 pieces FM 5 \* 55 machine screw. And next load the batteries and fix the cover.



## Installing buckle and frame in door case

Put the frame in door case, next cover the buckle, and then fix them with 4 screws. Last, please check whether the lock cylinder can work well, using self tapping screw on wooden door and metric screws on steel door.





## 4 Maintenance and upkeep

### 4.1 Daily maintenance and upkeep

1. Keep the lock away from corrosives which can damage the protection layer and the luster on the lock.
2. The handle is the key part to open and close the door, and its flexibility will directly affect the use of the lock. Therefore, do not hang objects on the handle.
3. If the door is out of shape, there would be more friction force and even make the spring bolts cannot stretch when they get into the door case. In such a case, the place of buckle should be adjust.
4. After using the fingerprint scanner for a long time, there may have dirt that affect its normal use. Please wipe the dirt with soft cloth.
5. When the low voltage alarm rings out, please replace the batteries to make sure the lock work well.
6. When replacing the batteries, please notice the positive and negative poles.
7. Please make sure the mechanical keys are in safekeeping.
8. Do not scratch the fingerprint scanner with hard or sharp objects.
9. Do not use your fingernail to scratch the fingerprint reader.
10. Please use soft cloth to wipe the fingerprint scanner surface when it is wet.
11. When acquiring the fingerprint, please put your fingerprint on the scanner flatly.
12. If the lock cannot rotate smoothly or in the wrong place, please ask a professional to add some machinery oil.
13. Please keep the rotating parts oiled to make sure their smooth drive and longer life span. Examine once half year or one year is suggested.
14. When using the lock, please put some graphite powder or pencil core powder into the lock core groove regularly or when the mechanical key cannot infix or pull out smoothly. Please do not add any lubricant oil because that may paste on the mechanical spring and hinder the lock running.

## 4.2 Notice for use

**4.2.1** When put the finger on the fingerprint scanner and hear short sound two times, but fail to open the door:

A. This fingerprint is invalid. Elimination: use a valid fingerprint or open the door by password or mechanical key.

B. This fingerprint has been deleted. Elimination: use a valid fingerprint or open the door by password or mechanical key.

C. Fingerprinted in the wrong way. Elimination: put the finger on the fingerprint scanner again. Please press the finger against the scanner and on the central. Or open the door by password or mechanical key.

D. The finger is desquamated or hurt so that the fingerprint is damaged. Elimination: 2 fingerprints of one person should be registered. Or open the door by password or mechanical key.

E. The finger is wet, dirty or with sweat or colored some skin care product. Elimination: clean the finger with tissue and then put it on the scanner to unlock the door. Or open the door by password or mechanical key.

F. Put the finger on the scanner too lightly to scan most of the fingerprint. Elimination: Put the finger on the scanner correctly to unlock the door.

G. The direct sunlight influences the fingerprint imaging. Elimination: use any light-proof objects to shut out the light.

H. The hand is too cold. Elimination: warm up the hand and try again.

I. The hand is too dry. Elimination: moisture the hand and try again.

**4.2.2** The fingerprint is recognized and the green light on, but the door is not unlocked.

A. Installation error. Elimination: install the lock correctly.

B. Hear the sound of elevator rotating, but the door is not unlocked. Elimination: 1. The handle is not back to the origin. 2. Square shaft of the handle is too short. 3. The spring of the handle in the back cover falls off.

**4.2.3** The mechanical key can not open the door.

A. Using the wrong key. Elimination: use the right key to unlock.

B. The mechanical lock part is damaged. Elimination: unlock the door by other methods and then replace the mechanical lock part.

C. The cylinder is damaged. Elimination: unlock the door by other methods and then replace the damaged parts in the cylinder.

D. The clutch parts is out of work. Elimination: unlock the door by other methods and then replace the damaged parts of clutch.

**4.2.4** The main spring bolt can not retract completely when the front handle turning. Reasons include:

A. The lock cylinder can not gear flexibly.

B. There is too much dirt on the oiled part of the cylinder.

C. The cylinder is installed on the door but the anti is not install correctly.

D. The connecting wires are not put in order when installing the back lock body, so

that the cylinder is stuck.

**4.2.5** The lock in the state of keep- open or keep- locked. Reasons include:

A. The clutching parts are out of work. ( Too much oil on the clutch and flows into the elevator so that the elevator can not run well.)

B. 1. Length of the handle square shaft is not suitable. 2. The spring of the handle in the back cover falls off.

**4.2.6** Put in the valid fingerprint or password, but the elevator does not work. Reasons include:

A. the wires are not connecting correctly.

B. Something wrong with the elevator.

**4.2.7** No response when touch the keypad. Reasons include:

A. Out of power or the batteries installed incorrectly. (replace the battery or use external backup power)

B. Too many times of illegal operations, the keypad is auto-locked. (try again after 15 minutes)

C. Wires between the front and back lock cover are not connect correctly when installed.

**4.2.8** The elevator gears normally while the front handle idles. Reasons includes:

A. The handle is not back to the origin palace.

B. 1. Length of the handle square shaft is not suitable. 2. The spring of the handle in the back cover falls off.

**4.2.9** No response after the batteries installed. Reasons include:

A. Wires between the front and back lock cover are not connected probably.

B. the wires are broken when installed.

## **5 After-sale Service**

### **5.1 Remarks about after-sale service**

**5.1.1** One-year warranty service since the date of purchasing.

**5.1.2** Cases as below are not covered by the warranty and we will charge the fee when repairing the lock.

(1) Products are beyond the maintenance deadline or purchased through irregular way.

(2) Damages caused by improper operation, disassembling the cover, man-made sabotage or other force majeure.



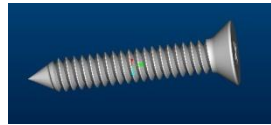
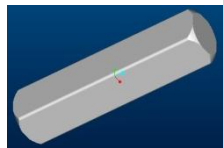
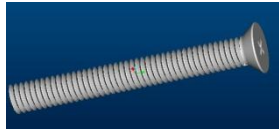

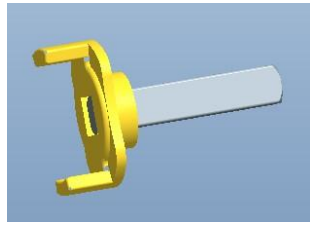

(3) Locks repaired in unassigned maintenance stations.

**5.1.3** Life-long maintenance. Maintenance after one year will be charged.

## 5.2 Packing list

No.	Items	Quantity
01	Front lock case	1 set
02	Back lock case	1 set
03	Lock cylinder	1 set
04	Door buckle	1 piece
05	Lock holder case	1 piece
06	Cross recessed raised countersunk head screws (adaptation)	4 pieces
07	Square shaft: 8x8xL(adaptation)	1 piece
08	Screws to fix cylinder and buckle (adaptation)	4 pieces
09	Mechanical Key	1 set
10	User manual of fingerprint lock	1 piece
11	Mould for opening pores of fingerprint lock	1 piece
12	QC test label (Genera)	1 piece
13	Warranty card	1 piece
14	Certificate of Approval	1 piece

## 5.3 Accessories

		
Frame in door case	Door buckle	Screws: PA4.0X25
		
Square shaft of handle	Bolts: OM8.0XM5XL	Square shaft for lock-out
		
Shifting fork for lock- in	Mechanical keys: 2pieces	