Contents

A/2(2013 年 7 月)

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 suggested 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 aims 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 appearance 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 you form according to your specific requirements.

No.	Department	Name	Fingerprint No.	Date of registration	signature	Remarks

1 Introduction of the fingerprint lock

1.1 Feactures

1.1.1 Brief Introduction

Features : Delicate appearance design, Reasonable structure, Secure fingerprint lock.

Applications: Government, Police station, Army, Bank, Law Court, Hospital, Office building, Residential area, etc.

1.1.2 Introduction of functions

Adopting the international advance biotechnology to ensure its high quality;

4 peaces AA batteries; handles can prevent the wreaking havoc;

Unlocking methods: 1. Fingerprint + Password + mechanical key; 2. Card + password + mechanical key.

1.2 Diamensions
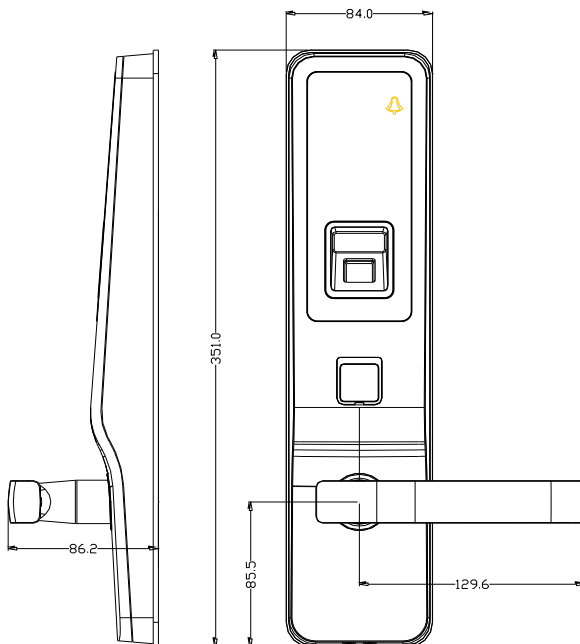
1.3 Technical data

| No.	Items	Technical parameters
1	Sensor resolution	Bright background, 500dpi
2	Sensor damage resistance ability	1000 times of impact with 4H pencil
3	Starting time	<1 second
4	Way of contrast	1：N
5	False rejection rate	≤1%
6	Error rate	≤0.0001%
7	Finger point	360°
8	Fingerprint registration 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 battery is off or changed
11	Fingerprint capacity	100 Pieces
12	Lights interfere	Avoid explosion under high light
13	Fingerprint collector	Hard glass, nanometer surface treatment
14	Static Power Consumption	< 30 u A
15	Dynamic Power Consumption	The working current is under 200 mA
16	Control system	Dicaryon dual circuit and individual 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 6 V
20	Power supply mode	Battery powered
21	Combination capacity	100 Groups
22	backup power	DC 9 V
23	Low voltage alarm	4.9 V
24	Antistatic ability	Contact discharge 8KV，air discharge 15KV
25	Working temperature	-10℃ to 55℃
26	Working humidity	10% to 90%
27	Storage temperature	-20℃ to 7 0℃
28	Combination design	Random combination
29	Combination length	6-digit numbers
30	Door open method	Left open, right open

(Remark: We emphasize the technology updating, we keep the right to notice you if parameters are changed)

2 Operation

2.1 Ways to put the finger

Remarks: please notice to put your finger in the right position

Please put your finger on the fingerprint acquisition windows with moderate force and keep flat because the central of the fingerprint contents most of the information. Compare the right and wrong way of putting finger as below:

Good	手指须放置在指纹采集窗中心
Bad Bad	保持手指平放在指纹采集窗
Good Bad Bad	轻轻地把手指按在指纹采集窗
Good Bad	保持平稳（不要向前或向后滑）
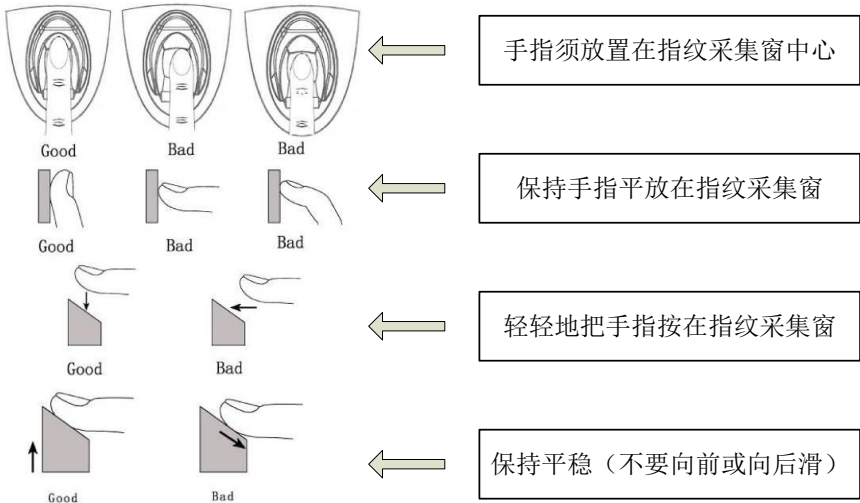
Lock-out function

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 in the mode of Card + password

Mifare card password lock has the following two methods to unlock:

1. Stand-alone (independent): Mifare card or password alone to open the door.

2. Combined: Mifare card and password are used together to open the door.

Note:

1. The system locks Initialized from the factory, the first management password is 12345678, unlock method is stand-alone model.

1.1 Change Stand-alone model to the combined model:

Enter 8-bit management password，press key button and then press "6 "button, buzzer 6 sounds, blue light flashing, then press key button to confirm, the buzzer "beep "long, you have change the model successfully. If you want to exit, press the"*"button;

1.2 Change combined model to the Stand-alone model:

Put in 8-bit management passwords, then press "5 "button , buzzer 5 sounds, blue light flashing, then press the key button to confirm, the buzzer "beep "long, you have change it successfully. If you want to exit, press the * button;

2. In combination mode, if swipe the card first(or enter a password before pressing the key button) there would be sounds of "di di", blue lights flashing.Then put in the password and press the key button (or swipe the card) in 10 seconds, blue light on and the door unlocked.

Mifare Card Operation Manual:

⑴ Management Card

Function: setting and clear the effective unlocking card; unlock the door.

⑵ Unlocking card

Function: unlocking the door and set the stay-open state.

⑶ Mechanical key

Function: emergency unlocking the door, setting and managing the management card.

Note: Before put in the password, please brush touch the button panel until the backlit blue lights on. Then you can put in password.

1. Setting and clearing the management card

1.1 Pressing the initial button on the breadborad for 5 times can empty all the cards and password.

1. 2 Pressing the initial button on the breadborad for 5 times and read the first card, a short "beep" and a long "beep" indicate this card is set as the management card.

2. Adding unlocking cards

2.1 Enter the setting card state:

Read the management card, the buzzer sound a "beep", the motor rotating, blue lights flashing, then you can open the door. The light will be off after you unlock. If you do not open the lock and read the management card, there will be a sound of "beep", blue light flashing slowly, this is enter into the setting unlock card state, the card it reading is the unlock card. Within 5 seconds if the lock hasn't detected the valid IC card, then you will hear two short beeps "beep, beep", the unlock card key card was setting well.

2.2 Process of setting unlocking card:

Entry the Setting key state, take the IC cards close to the inductive area of lock, if setting the card success, you will sound a short "beep" and then a long "beep". Repeat this operation, you can set other unlocking cards. If this card already exists, then the buzzer will sound 2 short beeps of "Didi". 200 unlocking cards are available at most.

3. Clearing the unlocking card

3.1 Clearing single one unlocking card

Read the management card 3 times, there will blue light flashing, put the card key you want to clear nearing to the inductive area and read it once, a short' beep' and a long' beep', means that the card has been clearws successfully. Repeat this operation to delete the other door cards. If the card does not exist, then the buzzer sounds 6 short beeps.

3.2. Clear single one lost unlocking card

Read the management card 4 times, there will blue light flashing fast. put the card previous to the lost unlocking card near the inductive area to read once, 'DI' 6 sounds short beeps, indicating that the lost card has been cleared. If the lost card is the first unlock card, you should read the last unlocking card.

3.3. Clear all of the unlocking cards

Read management card 5 times, then you will hear long "beep" 3 times and also with blue light flashing, when those operation finished, which means you have cleared all of the unlocking cards successully. The Original valid unlock cards can't open the lock, you have to set new cards by the management key to unlock.

Note: when you add new unlocking cards, the order will always sort from the very first cleared card.

4．Unlocking the door

4.1 IC card key to unlock

Use the valid IC card near the lock inductive area, a "beep" from the buzzer, motor rotate and blue lights on indicate the lock is opened. After the lock checked the open action, the lock will locked automatically; if it didn't checked open action, the blue light will off within 5 seconds, it locked the door automatically.

Note:

① If the IC card is not a valid key, there will have 6 short sounds "tick, tick, tick", with blue light on.

② If the voltage is insufficient, then the buzzer sound 3 sounds "tick, tick, tick", with blue light on. After the first low-voltage prompted, in order to ensure the normal use of the lock, please replace the battery in time.

4.2 The mechanical key to unlock

In case of the electronic system problems or battery power off, etc. You can use the mechanical key to unlock.

5. Alarm function and prompt for closing

5.1 When the door is not locked well, it alarms

When you close the door, the lock tongue did not come out or only part of it, we normally call it "fake locking". In this case, the lock will alarm and flashing blue light. The alarm stops until you re-lock it.

6. Stay- open (channel) setting
6.1 Stay-open settings:
Press rear handle to make the bolt back in and don't move. Read an unlocking card or put in unlocking password, the buzzer sounds a long "beep", the blue light flashing once, the motor rotate to open the door, the door is in stay-open status. (channel status).

6.2 Remove the channel status:
Press rear handle to make the bolt back in and don't move. Read an unlocking card or put in unlocking password, the buzzer sounds a long "beep", the blue light flashing once, the motor rotate to open the door, the door closed(the stay-open status removed). Or read the management card or put in the management password directly to remove the channel status.

Password functions and operating instructions
⑴   **Management password:**
 Function: setting and clearing the valid passwords and unlocking the lock.
⑵   **Unlocking passwords:**
 Function: open the lock.

1. Change the management password:
1.1 Put in the original 8-bit password and press unlock key(12345678), the motor will rotate with blue lights flashing. Press "1", you will hear one long sound with blue lights flashing moderato. Then put in the new password and press unlock key, you will hear one long sound and see blue lights flashing fast. Put in the first password again to confirm and press unlock key. Blue lights on, the buzzer "beep, beep, beep" long for three times mean the management password is changed successful. If you put in the password error on the second times, after buzzer sound "tick, tick, tick, tick, tick" 5 times then re-enter password. Press " *" key to exit.

2. Setting unlocking password:

2.1 Put in the 8-bit management password, press unlock key, the motor action. then press "8", After a long buzzer sound and blue lights flashing moderato, enter an 6-bit passwords and press unlock key, after the buzzer sounds a long sound, put in the password you have just entered again, press unlock key , the blue lights on, the buzzer sounds twice indicate the unlock password has been set successfully.

If you enter the error password in the second time and press the key button, the 5 sounds of " beep" from the buzzer will be heard. Then you can re-enter the right password. Repeat this operation you can set other unlocking password. If the password already exists, the buzzer sound "tick" short in 4 times. You can only set 50 groups unlock passwords. If you want to exit, press the" * "button.

3.   Clearing or changing the unlocking password

3.1 Clearing single one unlocking password

Put in 8-bit management password and press " 4", you will hear a long sound and see blue light flashing; put in the password previous to the unlock password you want to clear, a long sound of 'tick' means clear it successfully. If you want to clear the first unlocking password, you have to put in the last unlocking password. If you want to exit, press the" * "key.

3.2 Clearing all unlock password

Put in the 8-bit management password, then press "0". After sound a long sounding and the fast flashing blue light, press unlock key to confirm it, meanwhile the buzzer sound "beep, beep, beep" 3 times long with the blue lights flashing indicate you clear all the unlocking password . (You have unlocking all unlock password you set before). If you want to exit, press the" * "key.

3.3 Chaging unlocking password

Put in the 6-bit unlocking password, then press "1". After a long sound from the buzzer and blue lights flashing, put in the new 6-bit unlock password and press the key button , there will be 2 long "beep' from buzzer and the blue lights flashing fast, re-enter the password you enter as the first time and press the unlock key. The blue lights on and

three long sound of "beep, beep, beep" means you have change the unlocking password successfully, the original password is invalid now. If you put in the wrong password on the second time and press the unlock key, the 5 sounds of "beep" will be heard. you can re-enter it. If you want to exit, press the" * "key.

Note: when you add new unlocking password, the order will always sort from the very first cleared password.

4.   4. Unlocking the door

4.1 By mater password:

Put in the management password and press the unlock key. A sound of "beep", motor rotating and blue lights on indicate the lock is opened. When the lock is detecting the open action, it closes the door automatically. If the door lock didn't detect the open action, 5 seconds later, the blue light off, it close the door automatically.

4.2 By unlocking password:

Put in the unlocking password and press the unlock key, one sound of "beep", motor rotating and blue lights flash slowly indicate the lock is opened. when the door lock detect the open action, it close the door automatically. If the door lock didn't detect the open action, 5 seconds later, the blue light off, lock close the door automatically

Notes: If you put in the wrong password 5 times continue, the keypad will be locked for 5 minutes.

① If the password is invalid, there would be three short sound of "beep" and backlit blue light will be off immediately.

② if the battery power is not enough, when open the door, there will be three sounds of "tick " and backlit blue lights off immediately. After the first time low voltage prompt ,in order to ensure the normal use of locks, please replace the battery in time.

5. Special Tips

5.1 For your property safety, we are here to remind you to change the management password and clear all unlocking password immediately after locks install well.

5.2 In order to improve security, the system supports garbled open function. For example: the correct password is 123456, you can add any numbers before or after the correct password (up to 12-bit password), such as 012"123456"798.

5.3 The mechanical key is the key to set the management password and management card and also open the door in emergency. We recommend that someone take special care of it.

Main Function Features:

1. Card Type: Mifare card

2. Touching keypad password input

3. Microwave to test the near cards

4. You can self-set open methods: independent mode of Mifare card or password unlocking alone; combined mode of using Mifare card and the password to unlock together.

5.The card is set on the lock, no need other system software. You can set 2 management cards and 200 unlocking cards at most.

6. You can change the password by yourself and set garbled 1 set of management password and 50 set of unlocking password at most.

7. The lock support " garbled" input ,the longest is up to 12 digits numbers.

8. " Fake locking" alarm function.

9. Low voltage alarm function.

10. Battery power supply, external emergency power supply

Main technical indicators:

Operating Voltage: 6.0V (4 pieces of AA alkaline batteries)

Static power consumption: <100uA

Dynamic power: <300 mA

Battery life: 10 months or more (4 pieces of AA alkaline batteries)

Low voltage indication:＜4.8V

Reading Card Distance: > 25mm

Temperature: 0 ℃ -70 ℃

Working humidity: ≤ 80%λ

2.4   Setting fingerprint + password + card

Unlocking Methods：

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 at most.

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 opening card close to the card reader, when you hear the music, the door will open. 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 "……has cleared". And the initialization will be finished. At this moment there is not any effective cards or fingerprints and the management password is 123456.

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

3. **Adding an unlocking password:** Press "* + 🔑 + management 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 an unlocking password ending up with pressing the 🔑 and repeat this again. The setting will be finished when you hear a long sound.

4. **Adding an unlocking fingerprint:** Press "* + 🔑 + management password + 🔑" to enter the programming mode. Next, press 6 + 🔑 and

14

put in a 2-digit user defined number for the unlocking 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 unlocking fingerprints and passwords:** Press "* + 🔑 + management password + 🔑" to enter the programming mode. Next, press 1 + 🔑 and repeat it again. When the indicator light off, all of the unlocking fingerprints and passwords are deleted without changing the management password.

6. **Deleting an unlocking fingerprint:** Press "* + 🔑 + management 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 an unlocking password:** Press "* + 🔑 + management 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 6 seconds until you hear the voice prompt of "the door is in the keep-open state". The setting is finished. Opening the door by fingerprint or password can cancel the keep-open state.

9. **Adding an unlocking card:** Press "* + 🔑 + management password + 🔑" to enter the programming mode. Next, press 9 + 🔑 and hold the card to the card reader. (Adding cards continuously is available)

10. **Deleting an unloking card:** Press "* + 🔑 + management password + 🔑" to enter the programming mode. Next, press 3 + 🔑 , and put in the number of the card + 🔑.

11. **Volume adjustment:** Press "* + 🔑 + management 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 "* + 🔑 + management password +

" to enter the programming mode. Next, pressing 0 + 🔑 can shift language between Chinese and English.

2.4 Alarming Function

2.4.1 Low voltage alarm

If the battery is in low power, whenever you open the door by fingerprint, password or card, the lock will alarm with the voice prompt of "power low, please replace batteries".

2.5 Backup power

When the batteries is 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.

2.6 Installing / replacing batteries

2.6.1 Installing batteries

Unscrew the battery cover, slide it upwards, take it away, and put in 8 pieces AA batteries of 1.5V voltage. Then put the cover back and screw it.

2.6.2 Replacing batteries

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.

2.8 Remarks

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

2.8.2 instruction sound remarks: The voice prompt of "successful" means successful operation, while voice prompt of "failed " 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.

深度3MM

深度100MM

深度3MM
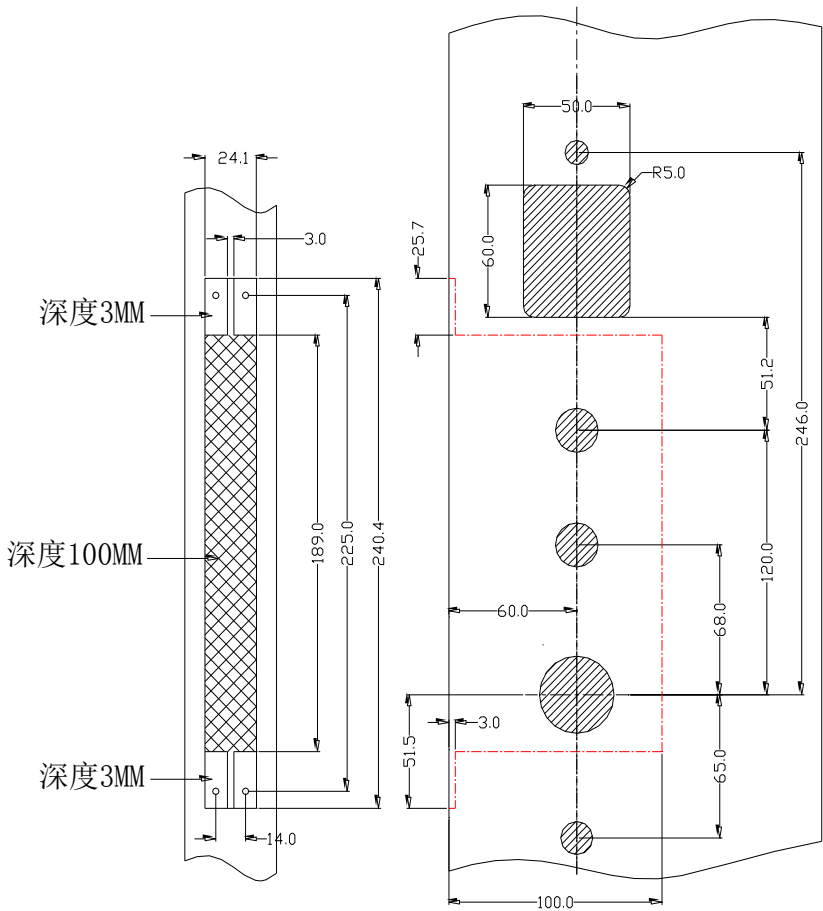
3.2 Opening pores on door case

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

3.3 Installation procedures

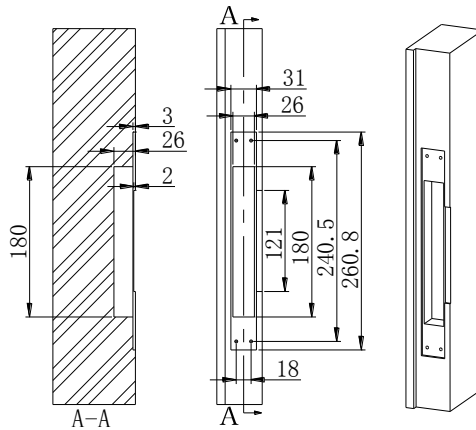Before installation, please put through all of the connecting wire, press the initialization button on the circuit board to initialize the lock firstly, which will also delete all of the passwords, cards and fingerprints to restore the factory setting.

3.3.1 installing lock mortise

Following the picture below, take the lock mortise with its connecting line on the upper side to install in the mortise pore on the door. Please do not make the 4P line in the door. Use 4 pieces of countersunk head tapping screws to fix the mortise.

锁芯4P线

锁芯固定螺丝FA4*25
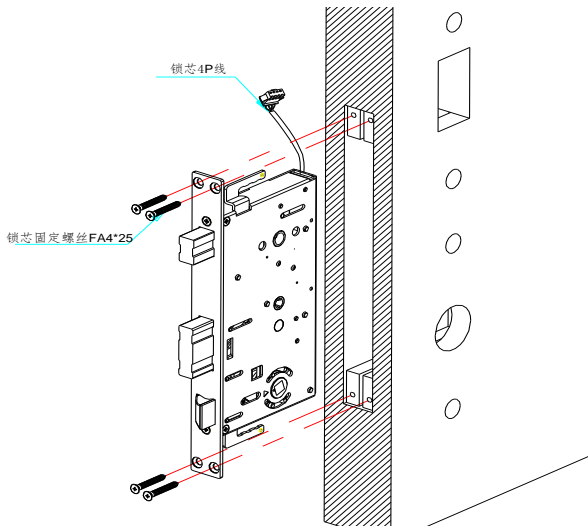
3.3.2 Installing the front and back lock panels

Before installing the lock panels, please check if the handle springs fall off, and put the handle square shafts into the lock mortise. Please notice th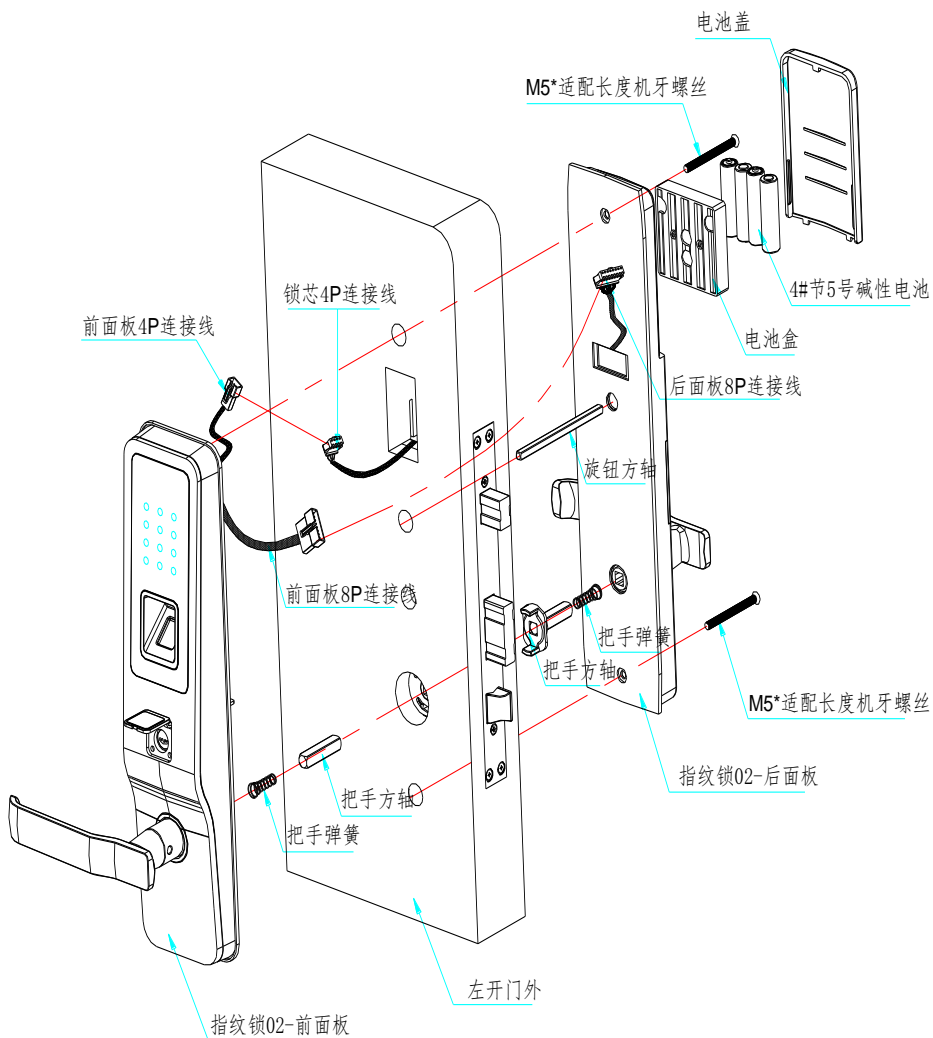e directions of opening left and opening right: the downwards arrow is for opening right and upwards for left. As showing below, connect the 4P line on the front panel with that on the back panel, and 8P line with 8P line respectively. The square shaft of deadbolt should be put in the pore on the mortise. Then fix the panels with 2 pieces Machine Screws. And next load the batteries and fix the covers.

电池盖

M5*适配长度机牙螺丝

锁芯4P连接线

前面板4P连接线

4#节5号碱性电池

电池盒

后面板8P连接线

旋钮方轴

前面板8P连接线

把手弹簧

把手方轴

M5*适配长度机牙螺丝

指纹锁02-后面板

把手方轴

把手弹簧

左开门外

指纹锁02-前面板

3.3.3 Installing strike box and the strike plate in door case

Put the strike box in door case, next cover the strike plate, and then fix them with 4 screws. Last, please check whether the lock mortise can work well. (use self tapping screw on wooden door and metric screws on steel door.)

门框

门扣板   门框盒
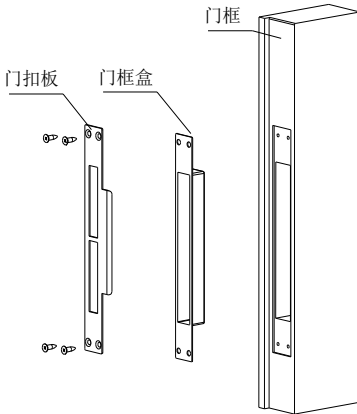
4 Maintenance and upkeep

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 天地杆 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, dissembling the cover, man-made sabotage or other force majeure.
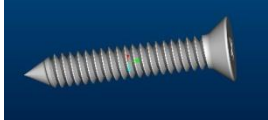
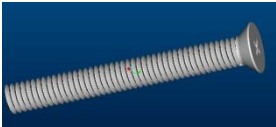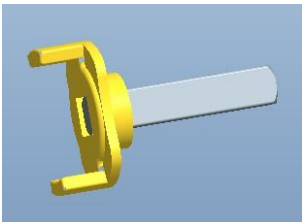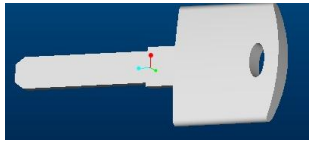（3）Locks repaired in unassigned maintenance stations.

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 mortise	1 set
04	Strike plate	1 piece
05	Strike box	1 piece
06	Cross Recessed Oval Countersunk Head Screws（adaptation)	4 piece
07	Square shaft: 8x8xL(adaptation)	1 piece
08	Screws to fix mortise and strike box (adaptation)	4 piece
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（General）	1 piece
13	warranty card	1 piece
14	Certificate of Approval	1 piece

5.3 Accessories

Strike box	Strike plate	Screws: PA4.0X25
Square shaft of handle	Bolts: OM8.0XM5XL	Square shaft for lock-out
Shifting fork	Mechanical keys: 2pieces	