

*User*

*Manual*

**(For ODS Fingerprint Lock)**

# CONTENTS

1	Introduction of the fingerprint door lock.....	5
1.1	Features.....	5
1.1.1	Brief Introduction.....	5
1.2	Dimensions.....	6
1.3	Technical data.....	7
2	Operation.....	9
2.1	Ways to put the finger.....	9
2.2	Setting fingerprint+password+card.....	10
2.3	Alarming Function.....	12
2.3.1	Low voltage alarm.....	12
2.4	Backup power.....	12
2.5	Installing/replacing batteries.....	12
2.5.1	Installing batteries.....	12
2.6	Replacing batteries.....	12
3	Installation Procedures.....	14
3.1	Dimension of the strike plate and lock body.....	14
3.2	Door opening ways.....	15
3.3	Opening pores on the door.....	18
3.4	Opening pores on lock holder case.....	19
3.5	Installation procedures.....	20
3.5.1	Installing lock cylinder.....	20
3.5.2	Installing the front and back lock body.....	21
3.5.3	Installing buckle and frame in door case.....	22
4	Maintenance and upkeep.....	23
4.1	Daily maintenance and upkeep.....	23
4.2	Notice for use.....	24
5	After-sale Service.....	27
5.1	Remarks about after-sale service.....	27
5.2	Packing List and Accessories.....	28

# 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.



# **1 Introduction of the fingerprint door lock**

## **1.1 Features**



### **1.1.1 Brief Introduction**

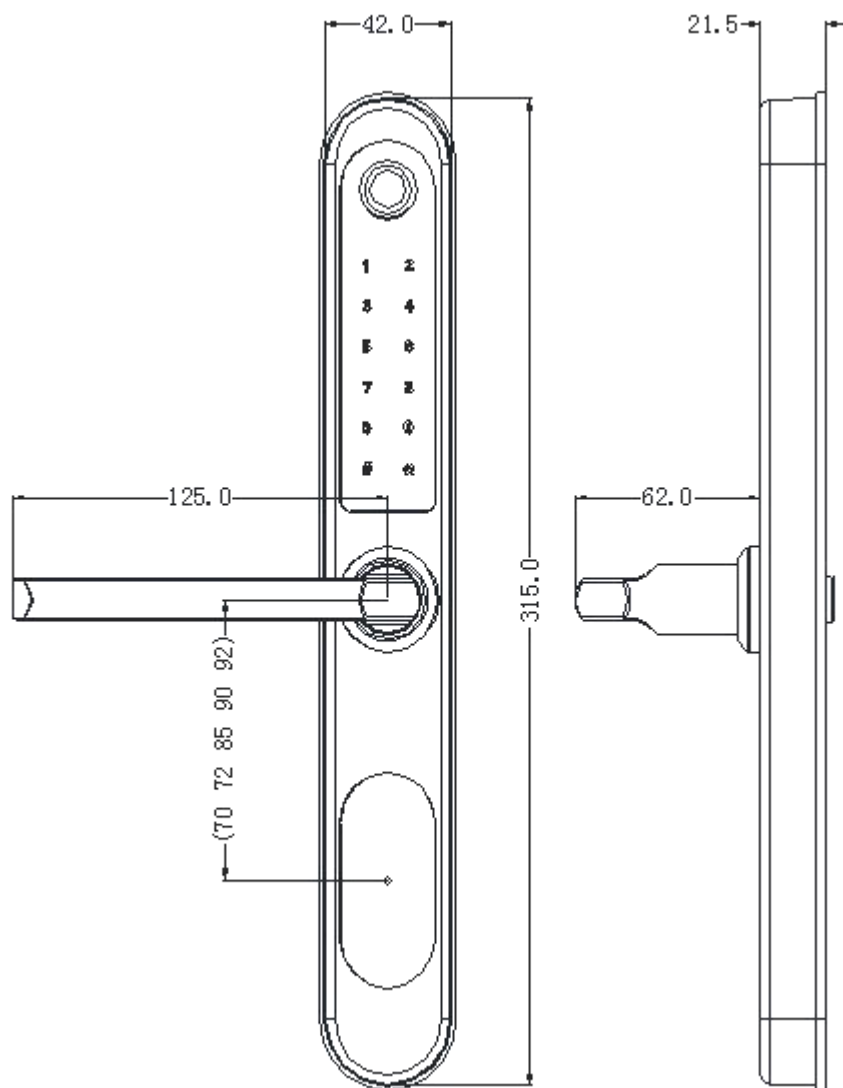
Features : Delicate appearance design, Reasonable structure, Secure fingerprint lock.

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

### **1.1.2 Introduction of functions**

We adopt the international advance biotechnology to ensure its high quality; 4 peaces AA batteries; handles can prevent the wreacking havoc; four ways to open the door: 1. Fingerprint + Pin code card+ mechanical key; 2. Card + Pin code + mechanical key.

## 1.2 Dimensions



### 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	≤0.001%
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	Power bank
23	Low voltage alarm	4.9 V
24	Antistatic ability	Contact discharge 8KV , air discharge 15KV

25	Working temperature	-10°C to 55°C
26	Working humidity	10% to 90%
27	Storage temperature	-20°C to 7 0°C
28	Combination design	Random combination
29	Combination length	6-digit numbers
30	Door open method	Left open, right open
31	Card Capacity	100 Pieces

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



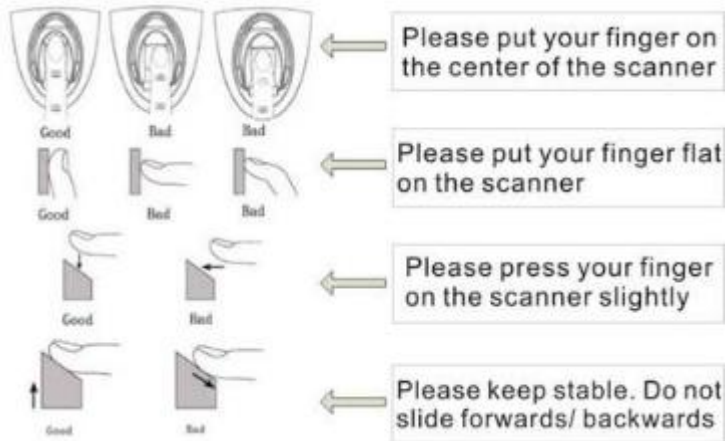
## 2 Operation

### 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:




### 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 fingerprint+password+card

### Door open pattern:

**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 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 master password is 123456.





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




**3. Adding a guest password:** Press “ \* +  + master 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 “ \* +  + master password +  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 “ \* +  + master password +  and repeat it again. When the indicator light off, all of the guest fingerprints and passwords are deleted without changing the master password.



**6. Deleting a guest fingerprint:** Press “ \* +  + master password +  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 “\* +  + master password +  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, do not press the handle, press 3 + 7 +  , 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 a card:** Press “\* +  + master password +  and hold the card to the card reader. (Adding cards continuously is available)

**10. Deleting a card:** Press “ \* +  + master password +  , and put in the number of the card + .

**11. Volume adjustment:** Press “ \* +  + master password +  to adjust the volume. 1 is to decrease to volume while 3 to increase.

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

## **2.3 Alarming Function**

### **2.3.1 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”.

## **2.4 Backup power**

When the batteries is totally out of power and mechanical keys are not available at the same time, please connect the Power bank 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**

### **2.5.1 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.

### **2.5.2 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.

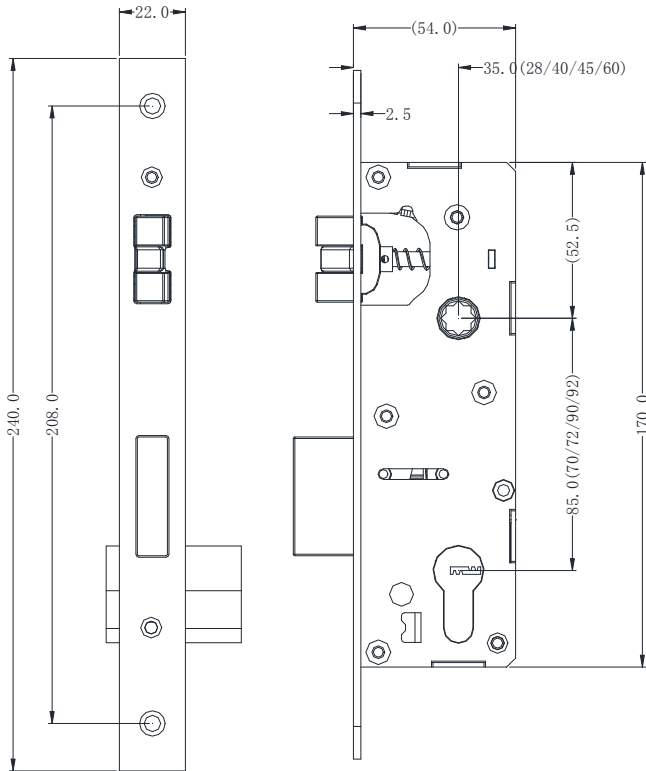
## **2.6 Remarks**

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

2.6.2 instruction sound remarks: The voice prompt of “successful” means successful operation, while voice prompt of “failed ” means failed operation.

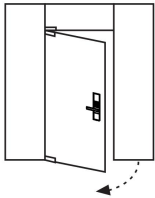
# 3 Installation Procedures

## 3.1 Dimension of the strike plate and lock body

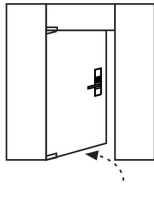


**Photos of security lock body**

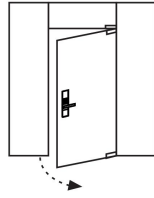
## 3.2 Door opening ways



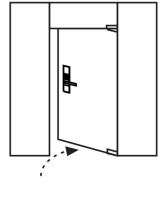
Left-pull opening



Left-push opening



Right-pull opening

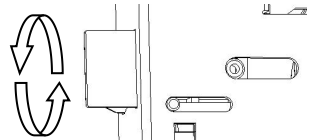
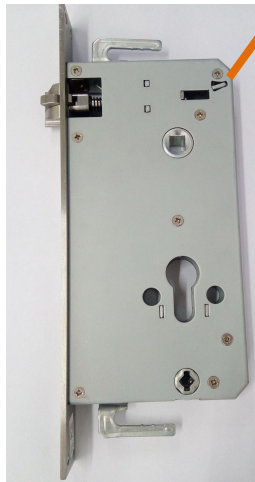


Right-push opening

### 3.2.1 Confirm directions of the lock bolt and handles

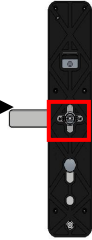
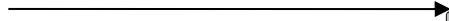
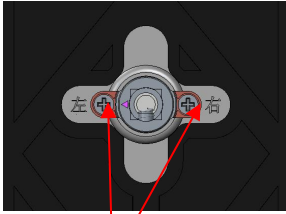
1. Change the direction of the lock bolt according to the door opening ways

Move limit fork to the top, push in the bolt, then turn the direction,



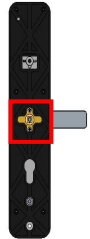
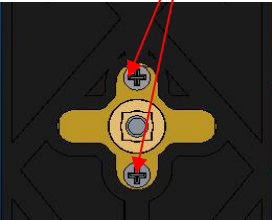
### 3.2.3 Change the handle direction according to the door opening way

#### 1. Change the handle direction according to the door opening way

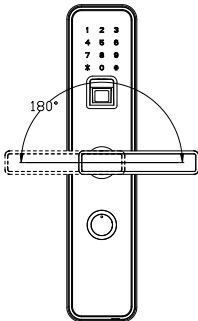


Front lock panel

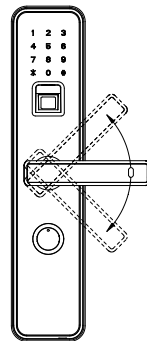
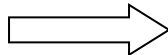
Relax the screws to adjust the direction of the front and back handle



Back lock panel

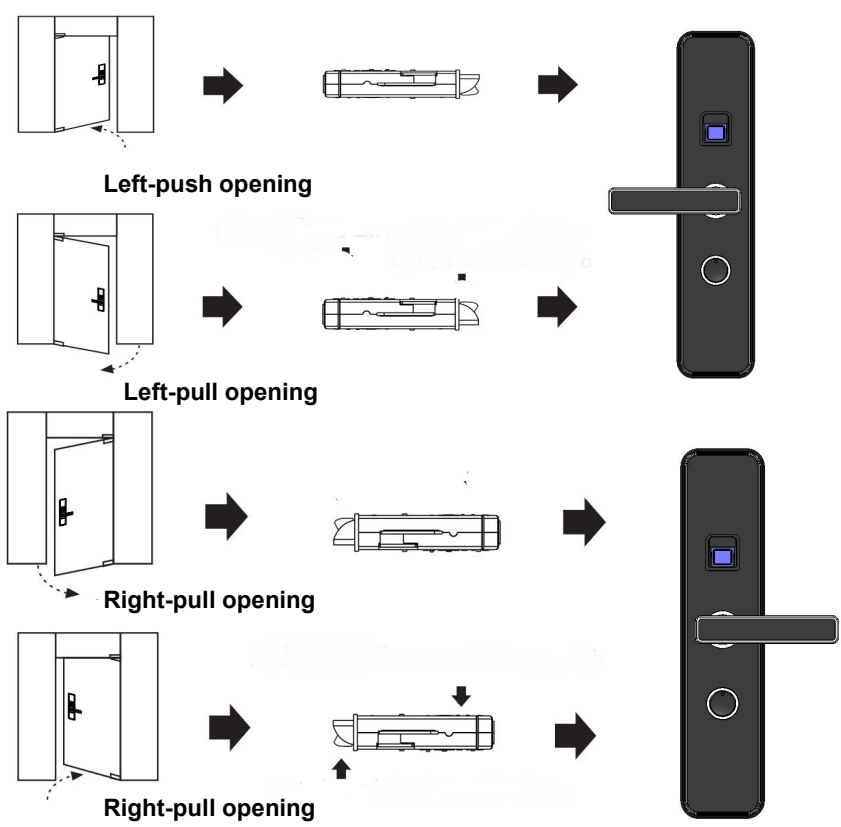


Change the handle direction according to the door opening way

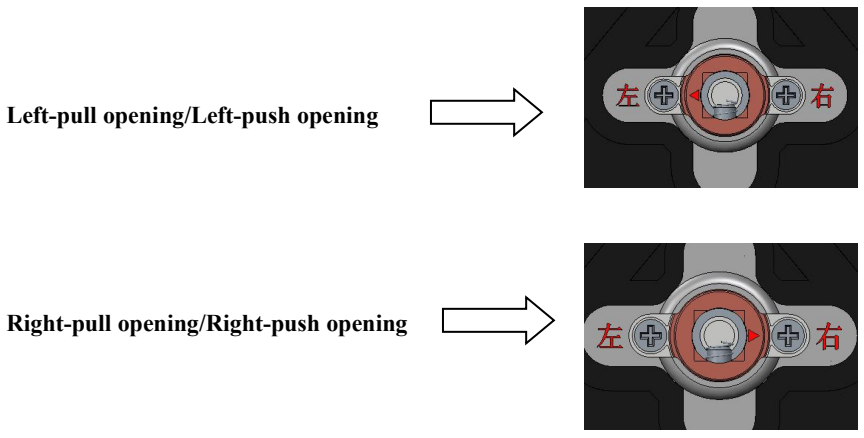


After shifting, screw the handle and press it to make sure its fitness



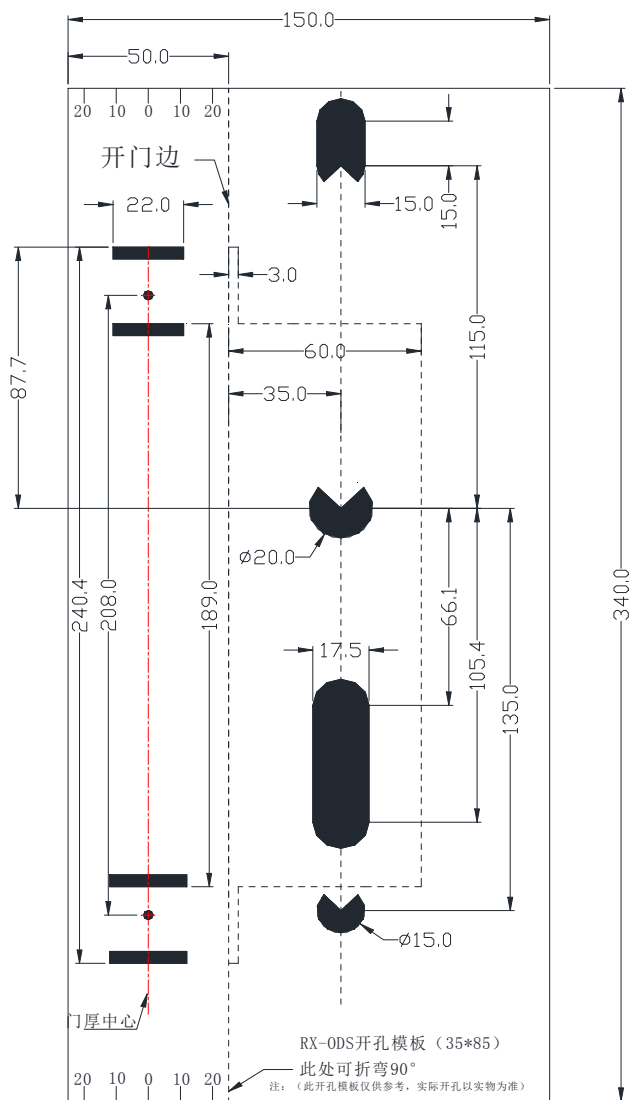


**2. The direction of the arrow should point to the handle direction**



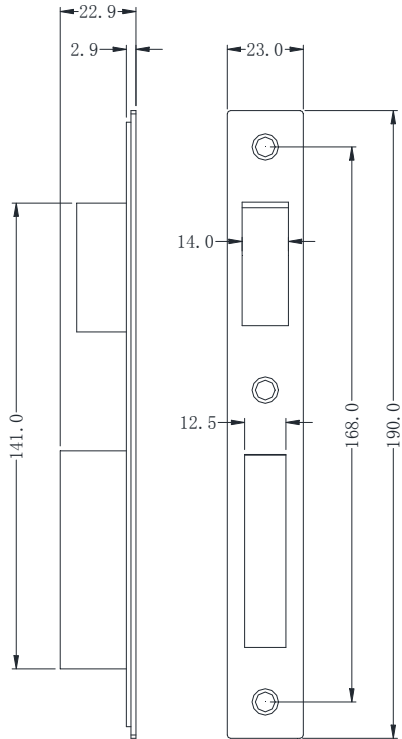
### 3.3 Opening holes on the door

This product can be used in wooden doors and anti-theft doors with thickness over 30MM.



### 3.4 Opening pores on lock holder case

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



### 3.5 Installation procedures

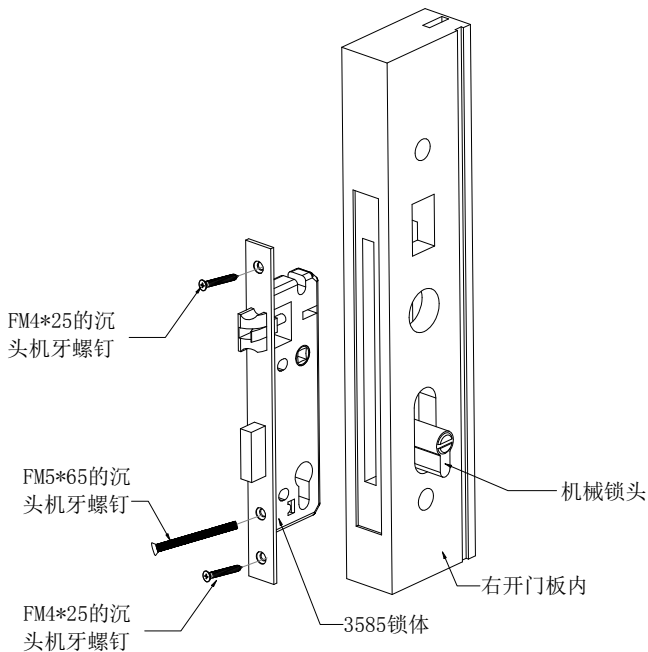
Before installation, please put through all of the connecting wire, press the initialization button on the circuit board to initialize the lock firstly, which will also delete all of the passwords, cards and fingerprints to restore the factory setting.

#### 3.5.1 Installing lock cylinder

After opening holes on the door, take the lock body to install on the lock body hole and use 2 pieces of FA4\*25 countersunk head self tapping screws to fix it.

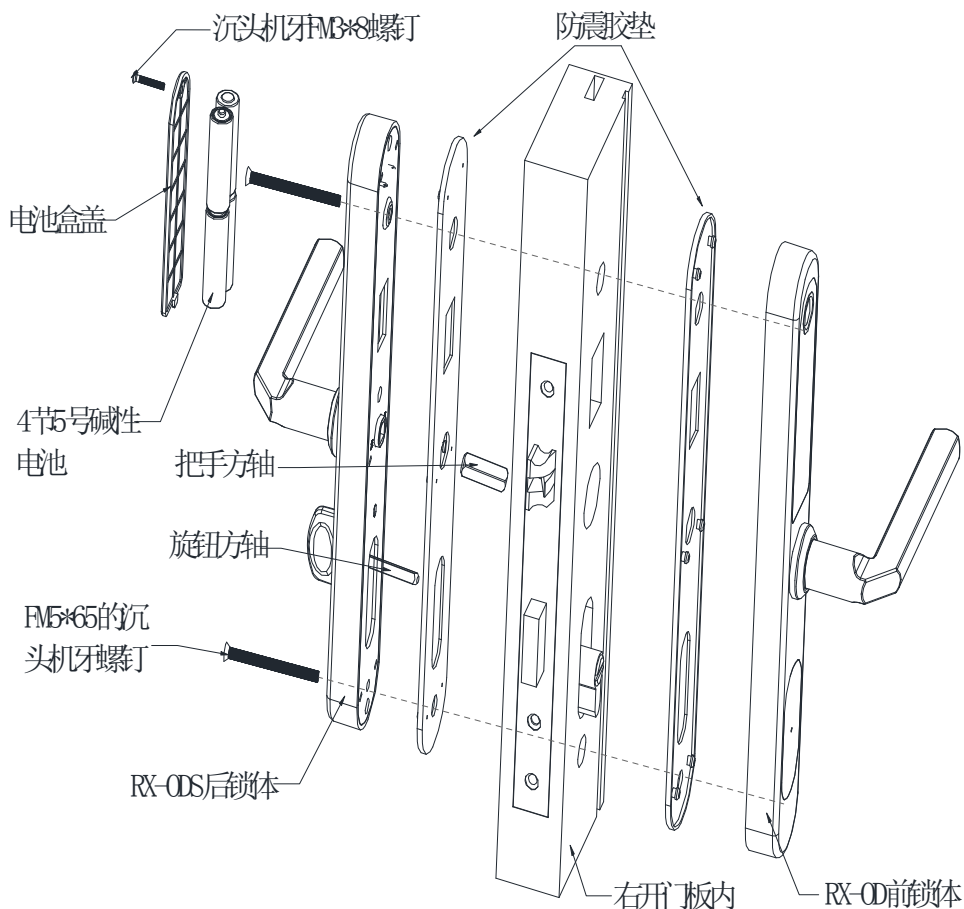
Then put the cylinder into its hole, and please make sure the keyhole outwards. Next use FM5\*65 screw to fix it.

Last, use the mechanical key to open the lock (To check if the lock could be open probably)



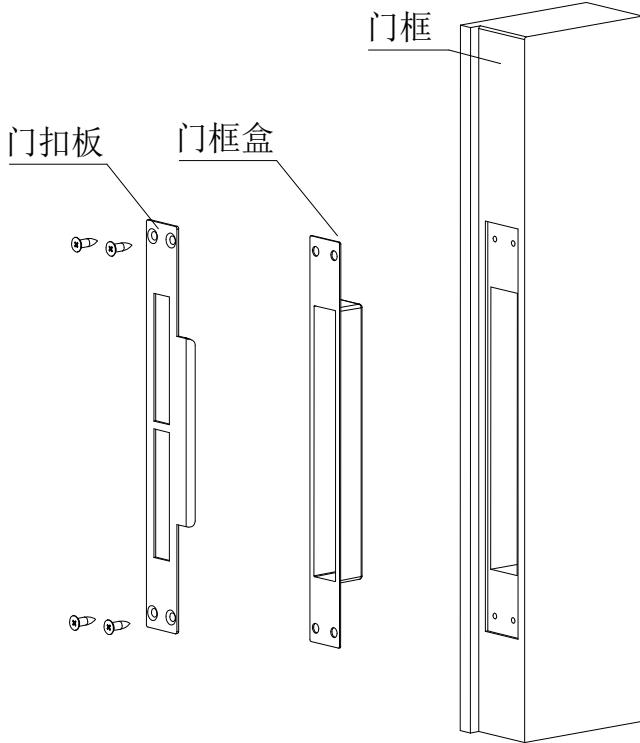
### 3.5.2 Installing front and back panels

Before installing the lock body, please check if the handle springs fall off, and put the handle square shafts into the lock cylinder. Please notice the directions of opening left and opening right: the downwards arrow is for opening right and upwards for left. As showing below, the 3P 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 \* L Machine Screws. And next load the batteries and fix the back covers.



### 3.5.3 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. (use 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 heaven and Earth hook 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.

# 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.

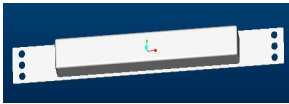

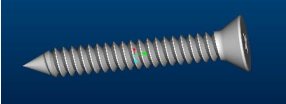
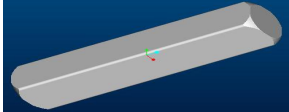
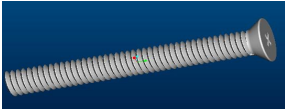

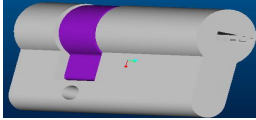


**5.1.3** Life-long maintenance. Maintenance after one year will be charged.

## 5.2 Packing List

No.	Items	Quantity
01	Front lock case	1 set
02	Back lock case	1 set
03	Lock cylinder	1 set
04	Door buckle	1 piece
05	lock holder case	1 piece
06	Cross Recessed Oval Countersunk Head Screws ( adaptation)	4 piece
07	Square shaft: 8x8xL(adaptation)	1 piece
08	Screws to fix cylinder and buckle (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 (Genera)	1 piece
13	warranty card	1 piece
14	Certificate of Approval	1 piece

### 5.3 Accessories

		
Strike Box	Strike plate	Screws PA4.0X25
		
Handel shaft	Screws M8.0XM5XL	Deadbolt shaft
		
Mechanical Cylinder	Mechanical keys *2pcs	Two free cards (Can only choose one type)