Content

Chapter1. Introduction

1.1   Model number

Model	Biolock 333
Picture	

1.2   Main features

- **Durable Fingerprint Reader Adopts optical fingerprint sensor**
- **Fingerprint can't be duplicated**
- **Remote control utility**
- **Zinc alloy die-casting body**
- **Simple user interface (Easy operation keys)**
- **Compatible with cylinder door**
- **Embedded store capacity up to 99 users**
- **Working temperature -25 °C to 75 ° C**
- **4 (AA) alkaline battery, external power supply port (emergency)**
- **Fingerprint sensor resolution 500DPI**

1.3 Structure & Components
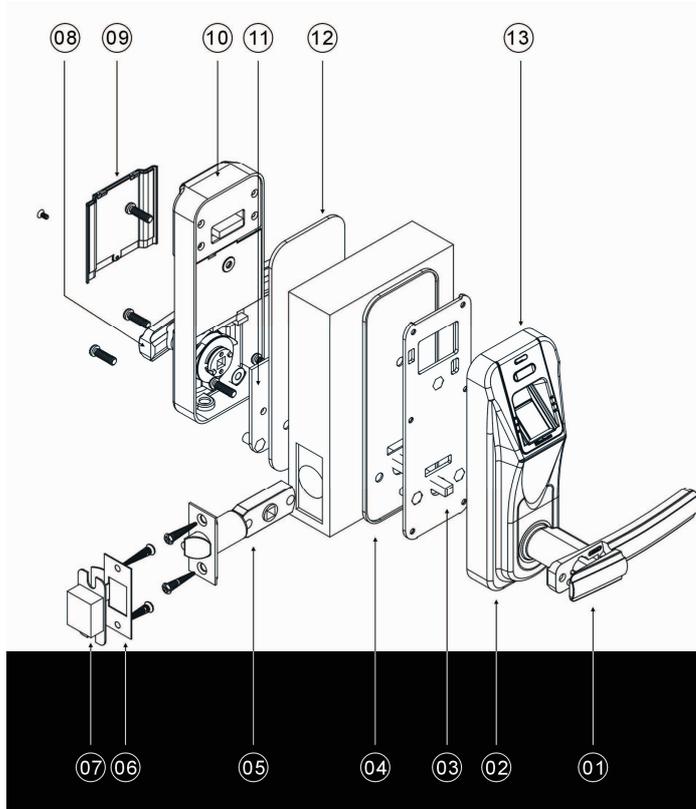
01	Outside handle
02	Socket for standby power
03	Square spindle
04	Front gasket
05	Latch
06	Strike plate
07	Strike
08	Inside handle
09	Battery cover
10	Back plate
11	Fixing board
12	Back gasket
13	Front plate

1.4 Dimension （In CM）

Front View   **Back View**
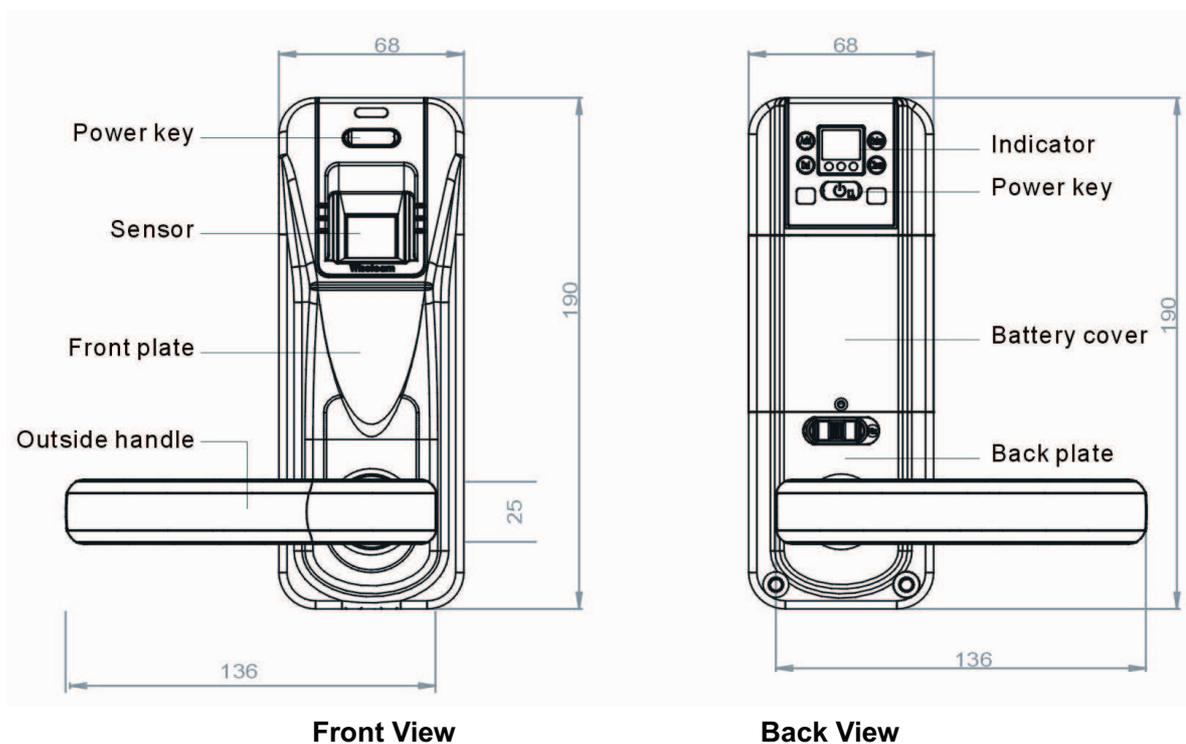
1.5 Packing list

1. Front Plate （1pc）	2. Back plate （1pc）	3. Adjustable single latch 2-3/8" or 2-3/4" （1pc）
4.Latch screws (2pcs)	5. Square spindle (1pc)	6. Upper connector (1pc)
7. Bottom connector (2 pcs)	8. Rubber gasket (2pcs)	9. Iron fixing board （1pc）
10. Iron fixing board pan screw (2 pcs)	11.Upper pan screw (1pc)	12.Bottom plate pan screw (2pcs)
13. Batter cover screw（1pc）	14. Strike （1pc）	15. Strike plate（1pc）
16. Strike screw (2pcs)	17. Mechanical key (1pc)	18. Manual & template (1pc)

1.6   Weight

Parts	N.W. (Kg)
Front plate	1.03
Back plate	0.70
Latch	0.12
Accessories	0.50
Total	2.35

1.7   Technical Specification

| Item	Description
Sensor	Optical
Resolution	500DPI
Scanning time	<1s
FRR(False Rejection Rate)	0.01%
FAR(False Acceptance Rate)	0.0001%
Users capacity	99 (Each user one fingerprint)
Battery	4 AA Alkaline battery
Working current	0-150mA
Standby current	0uA
Opening methord	Fingerprint, Mechanical key, Remote control (Optional)
Working temperature	-25 °C to 75 ° C
Working humidity	20%-80%
Humidity	15%RH to 95% RH

1.8   Power supply for emergency

When battery voltage is low, you can unlock with external power supply or mechanical key

Chapter2. Operation Instruction

2.1 Keypad description

Front Key   **Back keys**
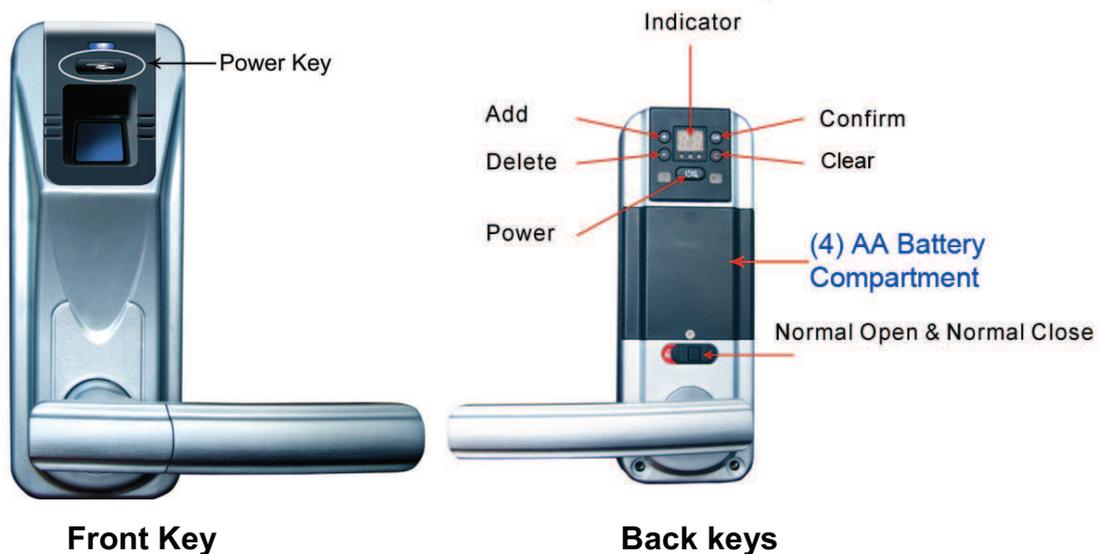
Front Body Key

The power key on front is to power the system and light the reader.

Back body Keys

The power key on back body is to power the system and operate the lock.
There are also other 4 keys, Add key, Delete key, Confirmation key, Clear key,

2.2 User Grades

There are three grades user: **Super Master (S), Master (M), User (U)**

Super Master (S) – A "Super Master" is the **No.1** user who registers the fingerprint in the lock.
The "Super Master" can add or delete **No.2** to **No. 99** users.

Master   (M) – A "Master" is the **No.2** or **No.3** user who registers the fingerprint in the lock
The "Master" can add or delete **No.4** to **No.99** users. The master could not add or delete mutually.

User   (U) – A "User" is the **No.4** to **No.99** users who can only open the door with fingerprint registered under permission of the Super Master or Master.

2.3 How to enroll your fingerprint

2.3.1 Enroll the super master

1.Press the indoor Power Key	2.Press the Add Key within 5 seconds
3.The reader will light after a beep	4. Place your fingerprint
5. After a beep, place your fingerprint again then red light & green light will shines 3 times in sequence.	6.The super master is registered

2.3.2 Enroll the master

1.Press the indoor Power Key	2.Press the Add Key within 5 seconds
3.The reader will light after a beep	4. Verify the super master fingerprint to gain permission
5. First avail master number will display.	6. Then press Ok key
7. Place your fingerprint for registraction	8. Place your fingerprint again Then red light & green light shines 3 times in sequence and a long beep.

2.3.3 Enroll the user

1.Press the indoor Power Key	2.Press the Add Key within 5 seconds
3.The reader will light after a beep	4. Place the fingerprint of super master or master to gain permission
5. First avail user number will display, choose the user number by + or – key.	6. The reader will light.
5. Place your fingerprint once again Then red light & green light shines 3 times in sequence.	8. The registration will be a failure if the light is red.

Remarks: The master could not be reregistered as a user.

2.4 Review the users

1.Press the indoor Power Key	2.Repress the indoor Power Key within 5 seconds
3. First, total user number is displayed	4. Second, the super master and master number
5. Third, user number	6. Log out the system

2.5 Delete the users

1.Press the indoor power key	2.Press the Delete key in 5 seconds

3.The reader will light after a beep	4. Verify the super master or master fingerprint
5. User number is displayed,Choose the user number by + or – key.	6.Press the OK Key

2.6   Clear all users

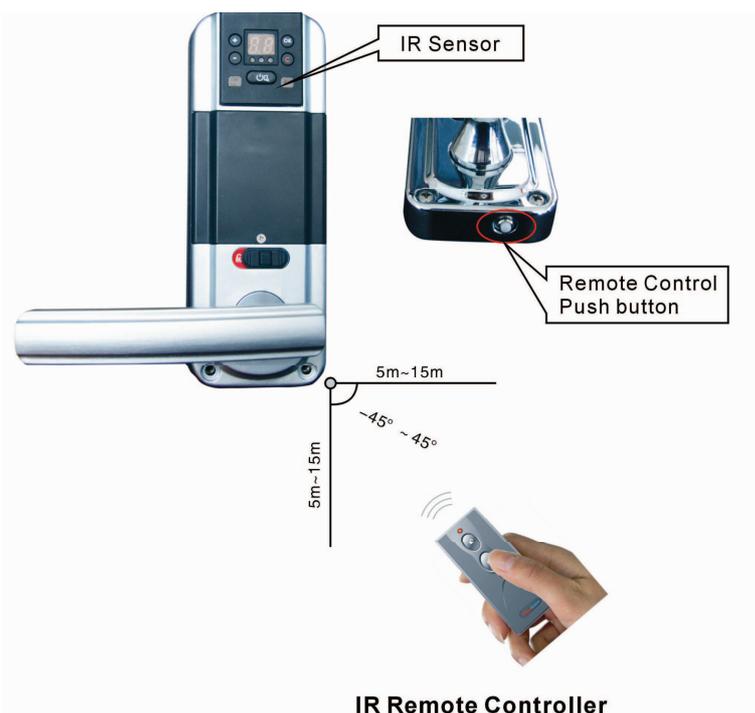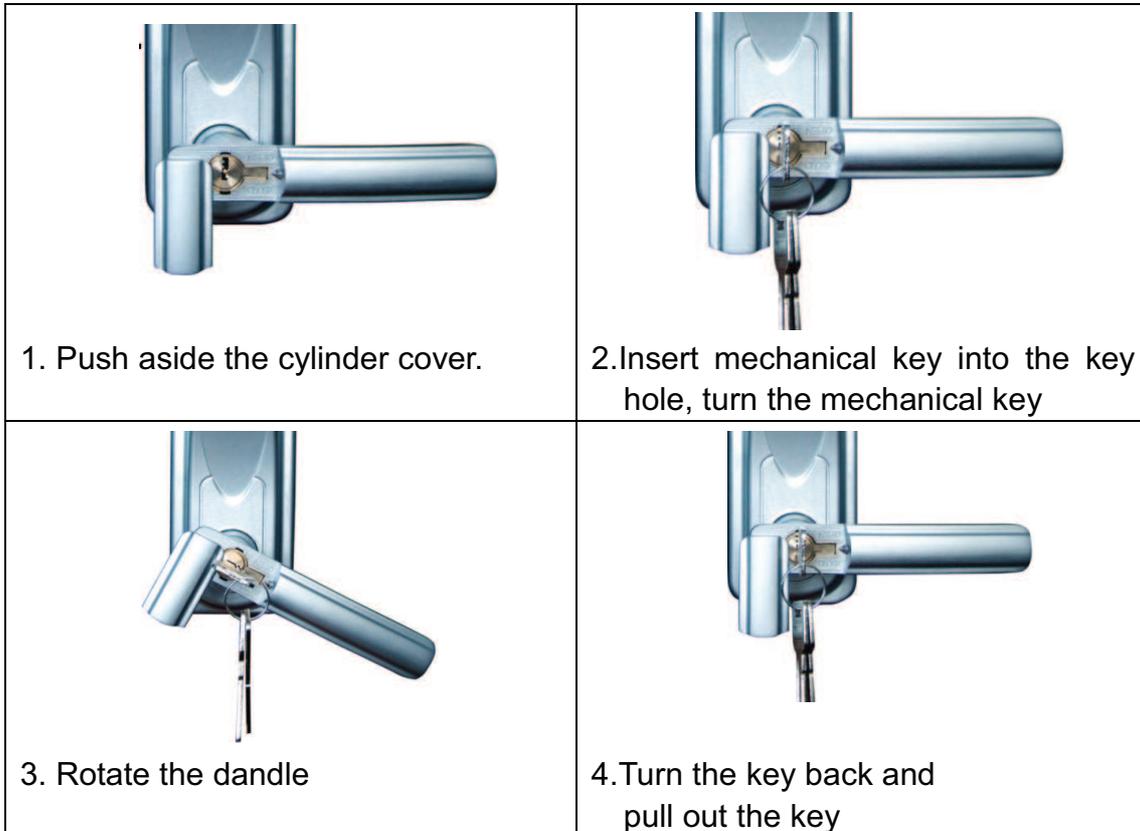|	
1.Press the indoor Power Key	2.Press the Clear Key
3. Place the fingerprint of **super master**	4.After a beep, all the fingerprints are cleared

2.7   Access mode

2.7.1 Unlock by fingerprint

1. Press the indoor Power Key	2.Place the fingerprint registered
3. Rotate the dandle	

2.7.2 Unlock by indoor remote control

Unlock the door from inside from any directions within the range
Press the push button on the back lock body.

IR Sensor

Remote Control
Push button

5m~15m

~45° ~ 45°

5m~15m

IR Remote Controller

2.7.3 Unlock by key

1. Push aside the cylinder cover.	2.Insert mechanical key into the key hole, turn the mechanical key
3. Rotate the dandle	4.Turn the key back and pull out the key

2.8 Normal Open & Normal Close Setting

This lock has a "Passage Mode Key" which allows you to keep the lock unlocked when necessary. The Passage Mode toggles between a locked **(Normal Close) and** unlocked **(Normal Open) state**.

Normal Open	**Normal Close**
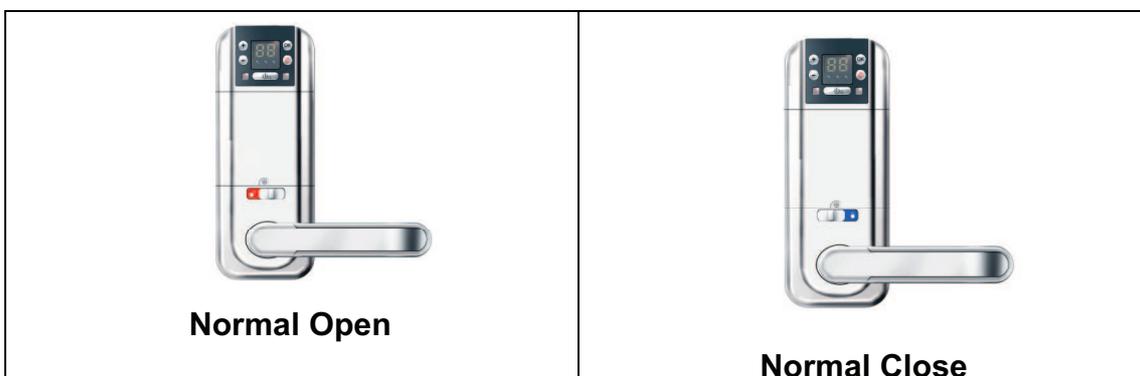
2.8 Low battery alert

When the battery is below 4.3 V, the lock will send a signal after any operation. The indicator beeps for 15 times within 3 times in unite. At this moment you could still use the lock more than 50 times. Please replace battery promptly.

Chapter3. Installation

3.1 Tools required for installation

1.Pencil	**2.Tape**	**3.Measure**
4.Drill	**5.Auger for basket hole Diameter: 2-1/8"(54mm)**	**6. Auger for latch hole Diameter: 1" (25.4mm)**
7.Auger for fixing screw Diameter: 3/8" (10mm)	**8. Screw driver**	**9.Knife**
10. File	**11.Hammer**	**12.Chisel**
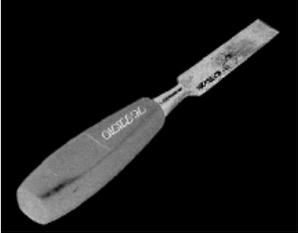
3.2 Door requirement
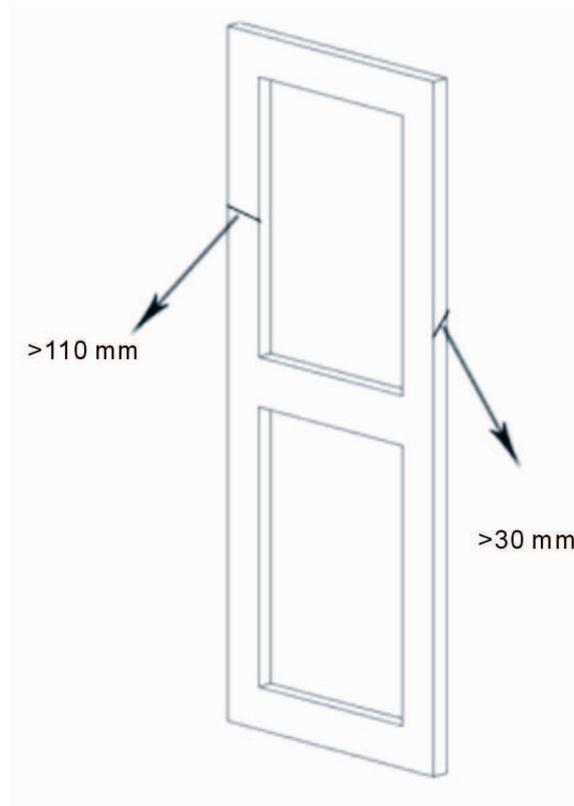
Wooden door with thickness from 30 to 60mm
If the door surface is decorated, the distance from then decorative edge to the door frame must be above 110mm.
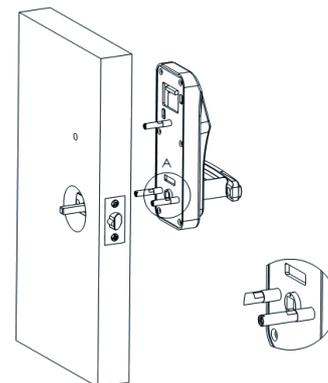
3.3   Latch size
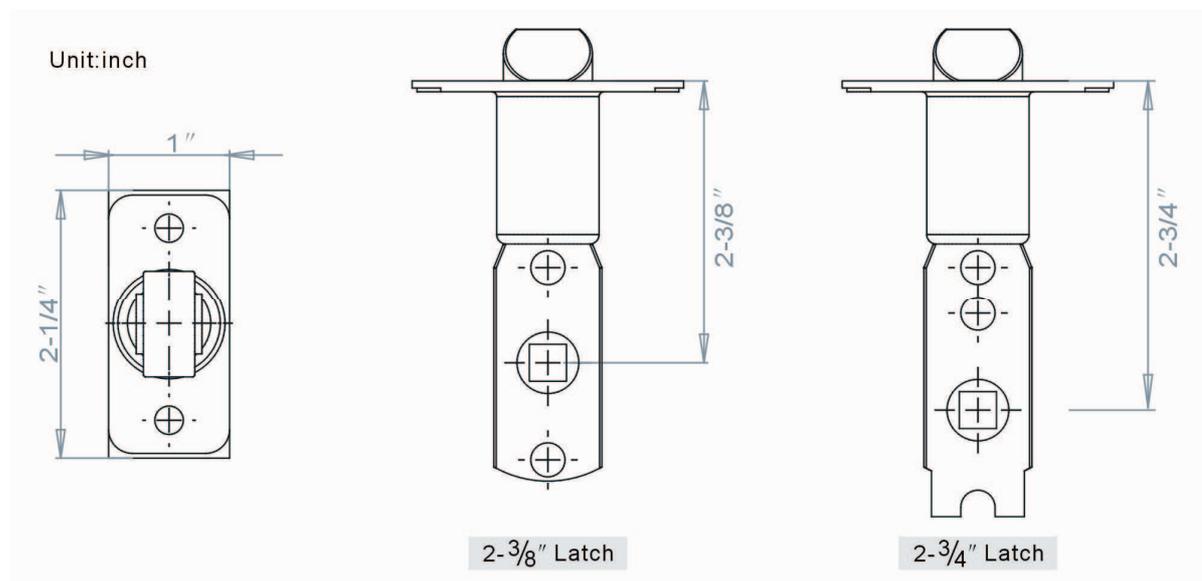
3.4 Installation steps
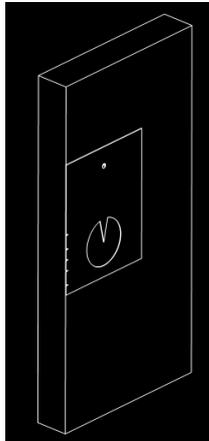
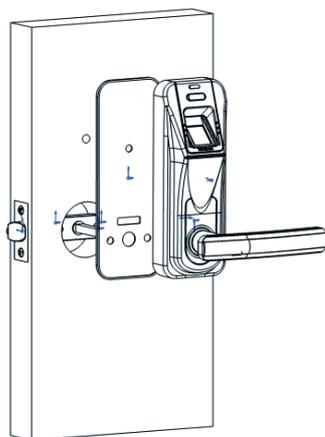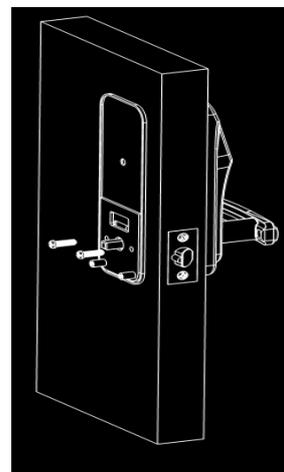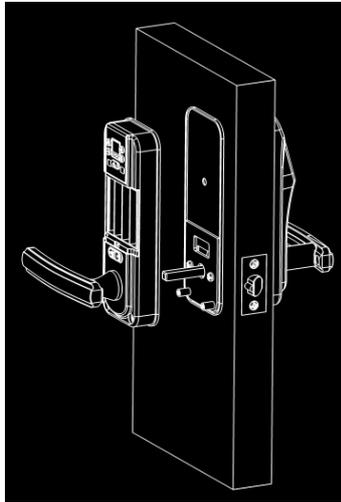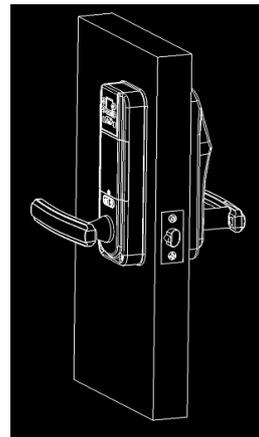|	
1. Determine the handle line and drill holes for with the template board.	**2. Try and fix the latch**
3 Put the square spindle through the basket hole	**4.Fix the screw connectors (3pcs)**
5. Install the front panel	**6. Fix the back iron board on the back gasket**
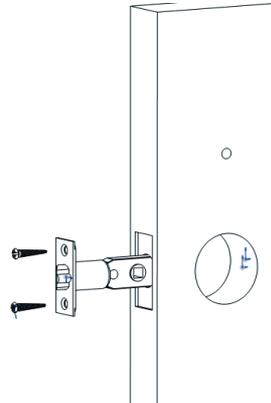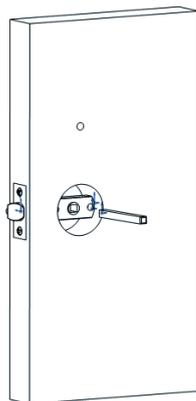
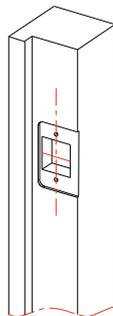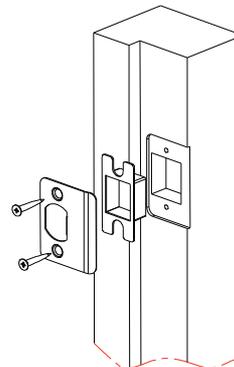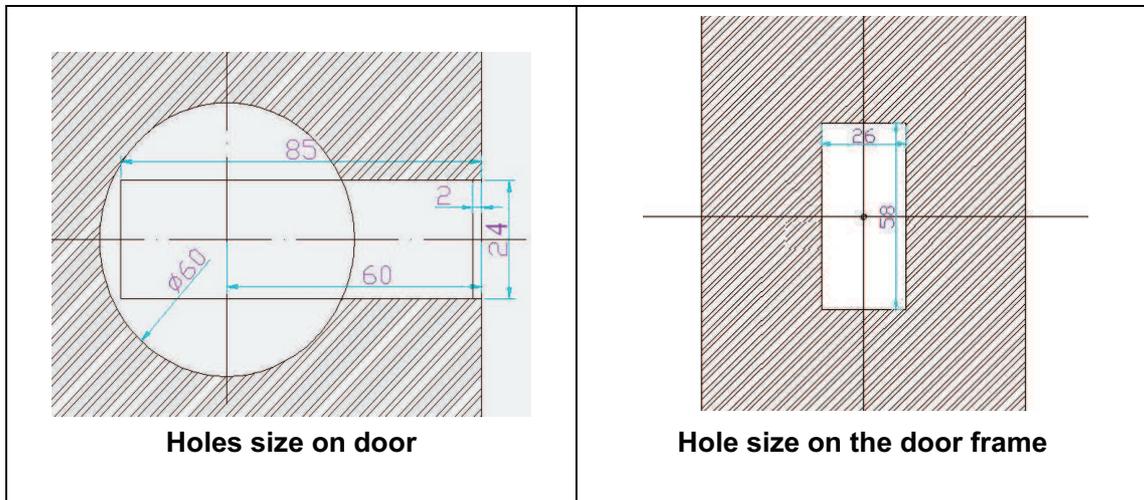|	
7.Connect the cable to the back plate	**8. Fixing the back panel with 3 screws**
9. Install the battery into the compartment on the back plate.	**10. Fix the battery cover with screw**
11. Cut hole for strike and strike plate	**12.Fix the strike and strike plate**
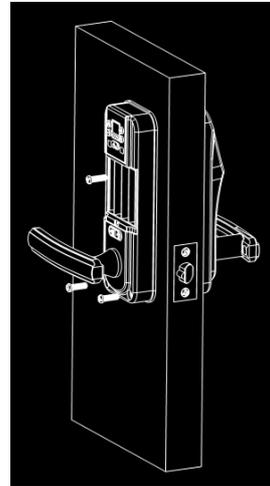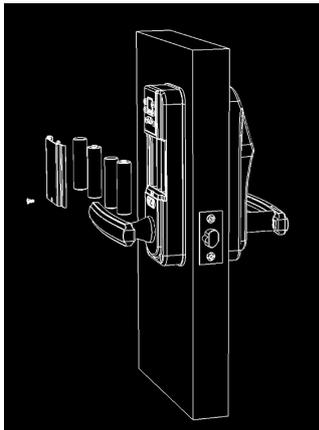
3.5 Installation diagram

Holes size on door

Hole size on the door frame

3.6 Tips for installation

Please insert the cable as picture below with care.

NOTE!

Please make sure to put the
cable in the red circle space
to prevent wire from breaking,
before fix the back part with screw!

Chapter4. Maintenance

1. Change the battery timely when low power alert sounds.
2. Keep away from corrosive material or liquid,
3. Do not hang anything on the handle.
4. Carefully keep the emergency key for urgency.
5. Keep the surface of the sensor clean and dry.