Thank you for purchasing our fingerprint lock. Please read this manual carefully before operation. Please keep this manual for future reference.
Introduction

Product features
1. The product have fingerprints, passwords and mechanical keys to open the door way of three separate.
2. With stainless steel brushed surface which could endure erodent and never fade.
3. Double layer steel lock panel could resist impact and destroyed.
4. Lock body: employ international standard lock body witch is more reliable and universal.
5. The capability of fingerprint: it could up to 100 pcs. management fingerprints and general fingerprints have a different authority. After initializing, setting 1-3 fingerprints as management fingerprints, section 4-100 fingerprints as general fingerprints.
6. Each management fingerprint can be set up and manage one password.
7. It has the function to keep the lock open, this makes it suitable to use in office or somewhere.
8. It can lock the door by rotating knob. In this case, only the management fingerprints and the mechanical keys can open the door.
9. It has the function of low voltage alarm. This could remind the user to replace the battery before used up.
10. It has independent of the mechanical key emergency unlock function.
11. It suitable to use in office, apartment, villa and family.

**Technical parameters**

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Technical parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fingerprint sensor</td>
<td>Optical sensor</td>
</tr>
<tr>
<td>2</td>
<td>Sensor Resolution</td>
<td>450DPI</td>
</tr>
<tr>
<td>3</td>
<td>Scanning time</td>
<td>&lt;0.5 s</td>
</tr>
<tr>
<td>4</td>
<td>Sampling Duration</td>
<td>&lt;1s</td>
</tr>
<tr>
<td>5</td>
<td>FRR</td>
<td>≤1%</td>
</tr>
<tr>
<td>6</td>
<td>FAR</td>
<td>≤0.0001%</td>
</tr>
<tr>
<td>7</td>
<td>Fingerprint Max Storage</td>
<td>100 Pcs</td>
</tr>
<tr>
<td>8</td>
<td>Dynamic current</td>
<td>&lt;200mA</td>
</tr>
<tr>
<td>9</td>
<td>Static current</td>
<td>&lt;104A</td>
</tr>
<tr>
<td>10</td>
<td>Power Supply Method</td>
<td>4 Pcs 1.5V AA Alkaline Batteries</td>
</tr>
<tr>
<td>11</td>
<td>Operation voltage</td>
<td>6V</td>
</tr>
<tr>
<td>12</td>
<td>Under voltage</td>
<td>&lt;4.3V</td>
</tr>
<tr>
<td>13</td>
<td>Battery Life</td>
<td>&gt;1 Year</td>
</tr>
<tr>
<td>14</td>
<td>Temperature for storage</td>
<td>-10°C to +50°C</td>
</tr>
</tbody>
</table>
Installation

Installation requirements:
1. Wood doors or composite door etc. Door thickness 40-65mm.
2. If the door has latches, the width of the latch must be >110mm.

Installation tools:

Notes:
1. The lock installation after completion of delivery, must be to conduct an initialization operation to remove all fingerprints and passwords, and re-set the lock.
2. Low voltage alarm, we must replace the battery in time.
3. The mechanical key is the last resort to open the door, do not to lift the mechanical key in the room.
4. When the door is open, do not back locked, to prevent damage to lock body.
5. Do not hang weights on the handle.
6. Do not use organic solvents clean locks.
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Installation Steps

1. Determine the lock installed datum line
   Handle center line at about 110cm height above the ground

2. Drilled mounting holes
   According to the installation drawings to drill mounting holes

3. Install the lock body
   According to the drawing (such as the right) to mount the lock body into the door cavity (note that the direction of the door and ensure that leader is not squeezed)

4. Install the lock front assembly
   According to the drawing (such as the right)
   1) Insert the bigger square shaft into the square hole of the lock body
   2) Connect the leader with the lock body leader
   3) To mount the lock front assembly on the door (ensure that leaders are not squeezed)

5. Install the lock back assembly
   According to the drawing (such as the right)
   1) Insert the bigger square shaft and the smaller square shaft into the corresponding square holes of the lock body
   2) Connect the leader with the lock body leader
   3) To mount the lock back assembly on the door and that must light fixed the 4 screws

6. Install the battery cover assembly
   1) Add the 4 batteries into the battery box (note the battery polarity)
   2) Connect the leader with the lock body's leader
   3) To mount the battery cover assembly on the lock back assembly (ensure that leaders are not squeezed)

7. Install the side plate and the lock core cover
   1) To mount the side plate and must tight fixed the 2 screws

8. Determine the lock tongue box installed datum
   Close to the door and the fram, draw the handle center line and the side line of the tongue on the fram

9. Drilled mounting holes
   According to the installation drawings to drill mounting holes

10. Install the tongue box and the tongue box cover
    According to the drawing (such as the right) to mount the tongue box and the tongue box cover into the door cavity and that must tight fixed the 2 screws

11. Conditioning and testing the lock
    According to the user manual to condition and test the lock
Function description

1. The product have fingerprints, passwords and mechanical keys to open the door way of three separate.
2. The lock may be set 3 management fingerprints: A, B, C, and 3 groups general fingerprints: A, B, C. Each management fingerprint can manage one group general fingerprints.
3. The lock has three passwords may be used (the password number is 4-8), only the management fingerprint have the right to set and change or delete your password, each chop fingerprint management to manage a corresponding password, the password for A, B, C.
4. As the door locked by rotating knob, only the management fingerprints and the mechanical keys can open the door.
5. Mechanical keys have the highest authority, they can Initialization all fingerprints and passwords, Must be properly preserved.

Operating instructions

1. Default setting

   Fingerprint, password empty and press "0" key, the buzzer "Di, Di" two sounds, green light, the motor rotation, press the handle to open the door.

2. Initialization

   1) Remove the lock cover, insert the mechanical key.
   2) Press "*" key, the green light, the buzzer "Di" a sound.
   3) Rotate the mechanical key until the oblique tongue into the lock body completely, green indicator flashes once, the buzzer "Di" a sound, then release the mechanical key.
   4) Press the "+" key, the red and green lights flash alternately 4 times.

3. Register management fingerprints

   3.1 Register the first management fingerprint "A"

   1) Press "*" key, the green light, the buzzer "Di" a sound.
   2) Press "I" key, the green light, the buzzer "Di" a sound.
   3) When fingerprint window flashing blue light, put the finger on the window, until the green light flashes once, "Di" a sound, and lift the finger, fingerprint window flashing blue light again, put the same finger on the window once again, the green light flash 1 time, "Di" a long sound. management fingerprint "A" registration successful. (2 times to put a fingerprint comparison, any once unsuccessful will not passed) If the fingerprint does not passed, the red light flashes 3 times, the buzzer "Di " Di " Di" 3 sounds.

   3.2 Register second management fingerprint "B" and third management fingerprint "C"

   1) Press "*" key, the green light, the buzzer "Di" a sound.
   2) Press "I" key, the green light, the buzzer "Di" a sound.
   3) When the blue light on the fingerprint window flashes, put management fingerprint "A" or "B" on the window, green indicator flashes 2 times, the buzzer "Di" "Di" 2 long sounds, and lift the finger. (indicated management fingerprint "A" or "B" verified successfully)
   4) When the blue light on fingerprint window flashes again, put the fingerprint which you wish to be the management fingerprint "B" or "C" on the window, until green indicator flashes once and the buzzer "Di" 1 sound, and lift the finger.
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when the blue light on the fingerprint window flashes the third time, put the same management fingerprint "B" or "C" on the window once again, green indicator flashes once, the buzzer "Di" a long sound. (indicated that register second management fingerprint "B" or third management fingerprint "C" successfully)
(2 times to put a fingerprint comparison, any once unsuccessful will not passed.) If the fingerprint does not passed, the red light flashes 3 times, the buzzer "Di" "Di" "Di" 3 sounds.

4. Register general fingerprints

Each management fingerprint (administrator fingerprints) can set one group general fingerprints, such as A group, B group, C group
1. Press "#" key, the green light, the buzzer "Di" a sound.
2. Press "1" key, the green light, the buzzer "Di" a sound.
3. When the blue light on the fingerprint window flashes, put management fingerprints (for example, the first management fingerprint "A") on the window, green indicator flashes once, the buzzer "Di" a long sound. (indicated the first management fingerprint "A" verified successfully)
4. When the blue light on fingerprint window flashes again, put the fingerprint which you wish to be the general fingerprint on the window, until green indicator flashes once and the buzzer "Di" a sound, and lift the finger.
when the blue light on the fingerprint window flashes the third time, put the same general fingerprint on the window again, green indicator flashes once, the buzzer "Di" a long sound (indicated that register general fingerprint successfully, the general fingerprint belongs to A group)
5. If some one want to register B group or C group general fingerprints, only use second management fingerprint "B" or third management fingerprint "C", replace the first management fingerprint "A" in above steps 3).

5. Delete general fingerprints

1. Press "#" key, the green light, the buzzer "Di" a sound.
2. Press "2" key, the green light, the buzzer "Di" a sound.
3. When the blue light on the fingerprint window flashes, put a management fingerprint (for example, the first management fingerprint "A") on the window, green indicator flashes once, the buzzer "Di" a long sound (indicated all general fingerprints belong to A group have been deleted)
If the fingerprint does not passed, the red light flashes 3 times, the buzzer "Di" "Di" "Di" 3 sounds.
Three times fingerprint is not passed, return to the standby state
4. Delete B group or C group general fingerprints can use second management fingerprint "B" or third management fingerprint "C", replace the first management fingerprint "A" in above steps 3).

Note: Delete general fingerprints, can only delete general fingerprints which belongs to A group or B group or C group. Management fingerprints can not delete itself: management fingerprint A, B, C can only initialize.

6. Password settings, modify and delete

The initial password is blank. For use password, you must first set a password. Password must be registered in the management fingerprints can be set only after. Only three management fingerprints have permission to set up, change or delete your password.
6.1 Password setting
1. Press "#" key, the green light, the buzzer "Di" a sound.
2. Press "3" key, the green light, the buzzer "Di" a sound.
3) When the blue light on the fingerprint window flashes, put a management fingerprint (for example, the first management fingerprint "A") on the window. Green indicator flashes 2 times, the buzzer "Di" "Di" 2 sounds, the green light (indicated the management fingerprint verified successfully).
   If the fingerprint does not passed, the red light flashes 3 times, the buzzer "Di" "Di" "Di" 3 sounds.
   Three times fingerprint is not passed, return to the standby state.

4) Input a password (4-8 digits). Press "#" key to end. Green indicator flashes 2 times, the buzzer emits "Di" "Di" 2 sounds.
   Green light again, enter the same password again, press "#" key to end. Green light a long time, "Di" a long sound. (Password is set successfully).

5) To set management fingerprint B or C corresponding password can use second management fingerprint "B" or third management fingerprint "C", replace the first management fingerprint "A" in above steps 3).

6.2 Modify password (valid password has been set to modify same as step 6.1 (setting password), when management fingerprint set a new password, corresponds to its original password is automatically covered (the new password into effect, the old passwords automatically expire).

6.3 Delete password
   1) Press "*" key, the green light, the buzzer "Di" a sound.
   2) Press "4" key, the green light, the buzzer "Di" a sound.
   3) When the blue light on the fingerprint window flashes, put management fingerprints (for example, the first management fingerprint "A") on the window. Green indicator flashes once, the buzzer "Di" a long sound. (Management fingerprint A's password is deleted successfully).

7. Open the door

7.1 Open the door by a fingerprint
   1) Press "0" key, green indicator flashes once, the buzzer "Di" a sound.
   2) When the blue light on the fingerprint window flashes, put a fingerprint which has been registered on the window. Green indicator flashes, the buzzer "Di" "Di" 2 sounds, the motor rotation, then rotate handle to open the door. After 5 seconds, the buzzer "Di" a long, sound, the lock restore locked status.
   If the fingerprint does not passed, the red light flashes 3 times, the buzzer "Di" "Di" "Di" 3 sounds.
   Three times fingerprint is not passed, return to the standby state.

7.2 Open the door by a password
   1) Press "#" key, green indicator flashes once, the buzzer "Di" a sound.
   2) When green light flashes again (Note: the green light before the input is not valid), Enter the password (4-8 digits), press "#" key, password is correct, the green light flashes 2 times, "Di" "Di" 2 sounds, green light, turned the handle to open the door. After 5 seconds after the lights go out, "Di" a sound, restore lock state.
   If the password is not correct, "Di" "Di" "Di" 3 sounds, long bright red. 2 seconds after the green light, "Di" a sound. re-enter the password (4-8 digits), press "#" Key to confirm. If the continuous
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input 3 time the error, the system alarm ("Di" 3 short sounds, loop 3 times, the light is red). The green light to return to the state

waiting for a password input, if again the continuous input the wrong password 6 time, then "Di" 3 long sound, loop 3 times, the red light, in 3 minutes, system sleep (during which any action is invalid).

Note: After entering password (4-8 digits), must press the "# " key to confirm, if more than 10 seconds did not press the "# " key to confirm, the system will automatically exit.

7.3. Open the door by mechanical key
Remove lock core cover, Insert mechanical key into the keyhole, and rotate the mechanical key until the oblique tongue into the lock body completely.

8. Settings normally open

8.1. Settings normally open
Management fingerprint A, B, C in any of the fingerprint to open the door, the green light, press "6" key, the green light, long "Di" a sound, the door is normally open state, turn the handle to open the door directly.

8.2. Cancel normally open
In normally open state, Management fingerprint A, B, C in any of the fingerprint to open the door, press "6" key, the green light, long "Di" a long sound, into a normally closed door restoration.

9. The door locked by rotating knob
As the door locked by rotating knob, let insurance tongue out of the lock body, in this case, only the management fingerprints and the mechanical keys can open the door.

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Maintenance

1. Daily maintenance
(1) Keep away from corrosive material.
(2) Do not hang anything on the lever handle.
(3) Keep the fingerprint window clean and dry. Wipe it with soft and dry cloth if any stain on it.
(4) When the batteries are about to run out, the Indicator is red, the buzzer “Di”. “Di” “Di” “Di” “Di” 5 sounds, loop 2 times. to alert lower voltage. although you still can open the door 30~50 times, you should replace the batteries as soon as possible.
(5) Keep the mechanical keys carefully.

2. Warranty policy
Products are guaranteed to be repaired for free within one year since the day of installation and both parties have accepted to be qualified.

What is not covered by this warranty?
- Damage caused by improper installation or maintenance.
- Damaged by service other than an authorized our distributor.
- Damage from misuse, abuse, accident (such as dropping), fire, flood, or acts of nature.
- Your door-lock exceeds the guarantee period.