Thank you for purchasing our fingerprint lock.
Please read this manual carefully before operation.
Please keep this manual for future reference.
Fingerprint Lock User Manual

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Chapter 1  Product Introduction

1.1  Introduction

1.2  Product structure Introduction
1. Stainless steel panels, corrosion-resistant, not color.
2. Cold-rolled steel liner, impact-resistant, anti-destruction.

Chapter 2  Product Features
1. The product have fingerprints, passwords and mechanical keys to open the door way of three separate
2. Fingerprint head can be touch for start power or press # for start
power (factory setting state fingerprint head no power).
3. Operation midway Press * key to exit this operation.
4. Wrong password alarm function, and password error 5 times continuously, the system locking 5 minutes.
5. To improve security, the system supports password garbled function to open the door. (Ie, a valid password before or behind pressing other digital keys can be added, does not affect the valid password to open the door function).
6. The capability of fingerprint: it could up to 100 pcs. (Customers may need to be extended to 3000 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, management fingerprints can only be cleared by the system initialization.
7. passwords total have 51 , of which only set up one management password (the factory management password is "123456"), management password can be changed but not deleted. it have 50 general passwords, the general passwords can only deleted, but can not be changed.
8. It has the function to keep the lock open , this makes it suitable to use in office or somewhere.
10. It can lock the door by rotating knob. in this case , only the management fingerprints, management password and the mechanical keys can open the door.
11. When the door is not close good, with alarm function.
12. It has the function of low voltage alarm. this could remind the user to replace the battery before used up.
13. It has Independent of the mechanical key emergency unlock function.

Chapter 3  Function keys Guidelines

"1#" Increasing fingerprint (including 3 management fingerprints and 97 general fingerprint).
"2 #" Add password (50 groups of general passwords).
"3 #" Delete general fingerprints.
"4 #" Delete general password.
"5 #" Modify the management password.
"6 #" Channel Gate settings
"7 #" Restore factory settings (system initialization).
"*" Operating status at any time to exit

Chapter 4  Technical parameters

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<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Technical parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Power Supply Method</td>
<td>4 Pcs 1.5v AA Alkaline Batteries</td>
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<tr>
<td>2</td>
<td>Operation voltage</td>
<td>DC 6V</td>
</tr>
<tr>
<td>3</td>
<td>Working current</td>
<td>&lt;65mA</td>
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<tr>
<td>4</td>
<td>Search verification time</td>
<td>&lt;1.0 s</td>
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<tr>
<td>5</td>
<td>Search mode</td>
<td>1 : N</td>
</tr>
<tr>
<td>6</td>
<td>Methods of contrast</td>
<td>1 : 1</td>
</tr>
<tr>
<td>7</td>
<td>FRR</td>
<td>≤1%</td>
</tr>
<tr>
<td>8</td>
<td>FAR</td>
<td>≤0.00001%</td>
</tr>
<tr>
<td>9</td>
<td>Fingerprint Max Storage</td>
<td>100 Pcs</td>
</tr>
<tr>
<td>10</td>
<td>Fingerprint Storage</td>
<td>When replacing the battery, there are automatic fingerprint storage technology</td>
</tr>
</tbody>
</table>
11. **Start up Methods**

   Touch screen fingerprint window or press the # key and password directly

12. **Battery life**

   1 year (Depending on the open door frequency)

13. **Under voltage**

   <4.8V

14. **Use finger angle:**

   360 degrees

15. **Light interference**

   try to avoid direct glare

16. **Acquisition sensor**

   Hard glass, nano-treated surface

17. **Password digits**

   4-8

18. **Setting fingerprint**

   enter the number of 3 time

**Chapter 5  work and storage environment**

**Working environment:**

Temperature: -20°C --- +60°C  
Humidity: 40% RH --- 85% RH (non-condensing)

**Storage environment:**

Temperature: -40°C --- +85°C  
Humidity: <85% RH (non-condensing)

**Chapter 6  Structure drawing**
Chapter 7  Installation guide

Installation requirements

1. Wood doors or composite door etc. Door thickness 40-65mm.
2. If the door has laciness, the width of the laciness must be >110mm.
### Installation tools

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<td>12</td>
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</tbody>
</table>

### Installation drawings

**Drawing for doorfram**

- **HANDLE CENTER**

- Dimensions
  - 57.0
  - 26.0
  - 28.0
  - 4.0
  - 20.0
  - -39.0
  - 90.0
  - 105.0
  - 130.0
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 tight fixed the 4 screws
Notes

1. The lock installation after completion of delivery, must be to conduct Restore factory settings (initialization lock) to remove all fingerprints and general passwords, modify the managemen password and registration management fingerprints.

2. Low voltage alarm occurs (when open the door buzzer shortly "beep" sounds the alarm), to promptly replace the battery (since the start of the alarm can also unlock about 30-50 times), make sure the door normal use. be careful to replace the battery, do not install anyway negative.

3. The machanical key is the last resort to open the door, do not to lift the mechanical key in the room.

Chapter 8 Operating instructions

1. Restore factory settings (initialization locks)

   1.1 The factory settings
   
   The factory settings fingerprint vacant management password is "123456." Enter the management password and press #, you can open the door.

   1.2 Restore factory settings (initialization lock)
   
   Restore factory settings (initialization lock) there are two ways to choose

   Method One:
   - Input management password (press # to confirm) or management fingerprint, the buzzer "beep" a long sound, press #, enter the function setting stage.
   - Press 7 #, buzzer "beep" "beep" twice, the red and green lights flash
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alternately 4 times, the system restore factory settings.

(Ie: enter the management password and press #, or management fingerprint → press # → press 7 #)

The second method:

- Insert the key into the lock cylinder (head) holes, continuous turn the key three times, press the # key, the system issued "beep" 3 sounds accompanied by the red and green lights flash alternately 4 times, system restore factory settings.

(Ie: the key continuously rotating three times → Press #)

2. Modify the management password

- Input management password (press # to confirm) or management fingerprint, the buzzer "beep" a long sound, press #, enter the function setting stage.
- Press 5 #, enter the original management password, press # to confirm, buzzer "beep" a sound, confirming successful. enter 4-8 digit new management password, press # to confirm, once again re-enter the new management password, press # to confirm, buzzer long "beep" a long sound, the password change was successful.

(Ie: enter the management password and press # or management fingerprint → press # → press 5 # → enter the original management password and press # → enter the new management password and press # → enter the same new management password again and press #)

Note: If the modification process is wrong, modification system exits, return to the standby mode.

3. Registration management fingerprints and general fingerprints

3.1 Enter the management password (press # to confirm) or management fingerprint, the buzzer "beep" a long sound, press #, enter the function setting stage, fingerprint module lights. (Note: The first management fingerprint registration can only authorized by management password)

3.2 Press 1 #.

3.3 Enter the ID number 01, press # to confirm.

3.4 To be added into the fingerprint, buzzer "beep" sound, fingerprint module light off and then flashes. place the fingerprint to be added again, the buzzer "beep" sound, fingerprint module light off then flashes again. third time place the fingerprint to be added, the buzzer long "beep" sound, fingerprint module light off, add the successful management of the fingerprint (3 times recorded)

3.5 If you continuously added, continue to enter the ID number 02, press # to confirm (the third ID number is 03, such along a fingerprint ID number, postponed to 04,05 etc ). repeat the operation above step from 3.3 to 3.4, you can add more fingerprints.

If not continuously added, operating such as above 3.1 to 3.4.

(Ie: enter the management password press # or management fingerprint → press # → press 1 # → input fingerprint ID number, such as 01 and press # → put three times a fingerprint)

NOTE:

1) Fingerprint Registration required three times to complete, the middle entry is successful, the buzzer "beep" sound, the lights went out again bright background; third time the registration is successful, the buzzer long "beep" sound, the light off. If the fingerprint
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registration fails, Buzzer "beep" "beep" "beep" 3 sounds, the system returns to standby.

2) Management fingerprint and management password is an administrator, it can go directly to the next step setup, general fingerprint and password can only be used open door. management fingerprints can only remove through the system initialization; management password can only be changed but can not be deleted.

3) Registration is required fingerprint and password corresponding ID number (managing fingerprint ID number identified as 01,02,03 three fixed numbers, 04–99 for general fingerprint ID number).

4) Management fingerprints may be the same person in three different fingerprints may also be three person fingerprints.

4. Add the general password

○ Input management password (press # to confirm) or management fingerprint, the buzzer "beep" a long sound, press #, enter the function setting stage.

○ Press 2#

○ Input password ID number, press # to confirm (the ID number of general password from 01 to 50)

○ Enter the 4-8 digit password and press # to confirm, the buzzer "beep" sound, once again re-enter the same password and press # to confirm, buzzer long "beep" 2 sounds, add a password is successful, the system returns to standby.

(Le: enter the management password press # or management fingerprint → press # → Press the 3 # → input fingerprint ID number, such as 04, press # → input the same fingerprint ID number again, such as 04, press #)

○ Method two: place the general fingerprint to be deleted long "beep" a sound, fingerprint module lights off, general fingerprint deleted successfully, the system returns to standby.

(Le: enter the management password press # or management fingerprint → press # → Press the 3 # → input to remove fingerprints)

5. Delete general fingerprints

○ Input management password (press # to confirm) or management fingerprint, the buzzer "beep" a long sound, press #, enter the function setting stage.

○ Press 3#

○ Method One: Enter the general fingerprint ID number, press # to confirm, buzzer "beep" a sound, fingerprint module lights off and then on; enter the genera fingerprint ID number again, press # to confirm, fingerprint module lights off along the short buzzer "beep" "beep" 2 short sounds prompts, the general fingerprint deleted successfully, the system returns to standby.

○ Method two: place the general fingerprint to be deleted long "beep" a sound, fingerprint module lights off, general fingerprint deleted successfully, the system returns to standby.

(Le: enter the management password press # or management fingerprint → press # → Press the 3 # → input fingerprint ID number, such as 04, press # → input the same fingerprint ID number again, such as 04, press #)

6. Delete general passwords

○ Input management password (press # to confirm) or fingerprint management, the buzzer "beep" a long sound, press #, enter the function setting stage.
8. Open the door

8.1 Open the door by a fingerprint

- Input has been successfully registered fingerprint, fingerprint module background lights, buzzer sounding cry, the green light, the motor rotation, turn the handle to open the door.

Note:
1) If input the fingerprint, fingerprint module window does not power on, press # and then enter the power-on, then input fingerprint to open the door.
2) fingerprint input errors, the system flashes red tips., buzzer "beep" "beep" "beep" 3 sounds.

8.2 Open the door by a password

- Input has been successfully registered password and press # to confirm, buzzer sounding cry, motor rotation, turn the handle to open the door.

Note: If you enter the wrong password, the buzzer short "beep" sound prompts; system returns to standby mode; if five consecutive input error, system keyboard lock 5 minutes.

8.3 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.

Chapter 9 Precautions

1. Fingerprint collection essentials

Finger center has the richest of fingerprint information, when collecting and verifying fingerprint, fingers must be placed correctly.
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Chapter 10 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.

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.