ADEL FINGERPRINT TECHNOLOGY LLC
Add: 20311 Valley Blvd., Suite B, Walnut, CA 91789, USA
Postal Code: 91789 Toll Free: +1 877 246 2335
Http: //www.adelfingerprint.com E-mail: info@adelfingerprint.com

ADEL GROUP (ASIA) LIMITED
Add : Unit 2006-2007A, 20/F, Futura Plaza,111-113 How Ming Street, Kwun Tong, Kowloon, Hong Kong
Tel: +852 2989 6328 Fax: +852 2989 6329
Http: //www.adelfingerprint.com Email: info@adelfingerprint.com

SHENZHEN IDEAL MICROELECTRONICS CO.,LTD
Add: East Floor 5, Building 25, Tianjian Industrial Zone, Shangbao Rd., Futian District, Shenzhen, China
Post Code: 518034
Tel : +86 755 89812050 Fax : +86 755 83930677
Http://www.adellock.com Email:marketing@adellock.com

ADEL®

ADEL- 4900 Fingerprint + keypad

Operation Manual

- Thank you for purchasing this product
- Read this manual thoroughly before use
- Keep this manual for the convenience of future reference

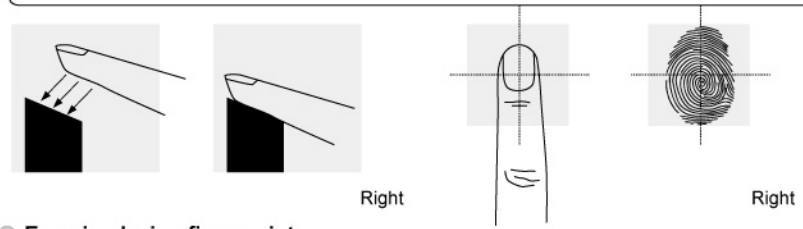
Note:

1. Keep your fingers clean when using this product.
2. The dirt on the surface of fingerprint collection window after some time in use may affect the normal use. Therefore please keep it clean.
3. New lock which is just out of factory can be unlocked with any fingerprint.
4. When opening the door, if the lock beeps an alarm due to insufficient voltage, and the indicator light flashes red, please change the batteries.
5. This product can save 120 fingerprints; we suggest each user to enroll at lease two fingerprint templates.
6. Do not clean the lock surface with corrosive substance, or else the protection layer may be damaged and thus influence the gloss of the lock surface. Therefore please clean the lock surface periodically with "furniture polish wax" (e.g. "Pledge").
7. If the latch bolt fails to draw back and forth freely, or the door cannot be closed normally due to the distortion of the door, please adjust the strike plate to a proper position.
8. When the fingerprint and password fail to open the door, use the mechanical key; please keep the mechanical key in a proper place.

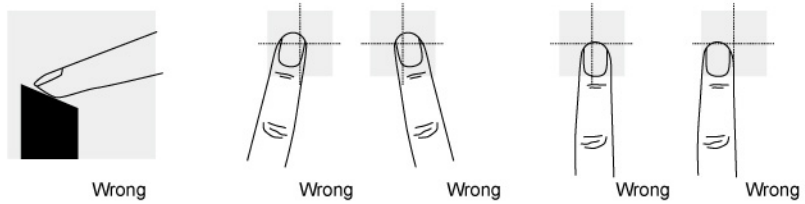
ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

Right method to place fingerprint

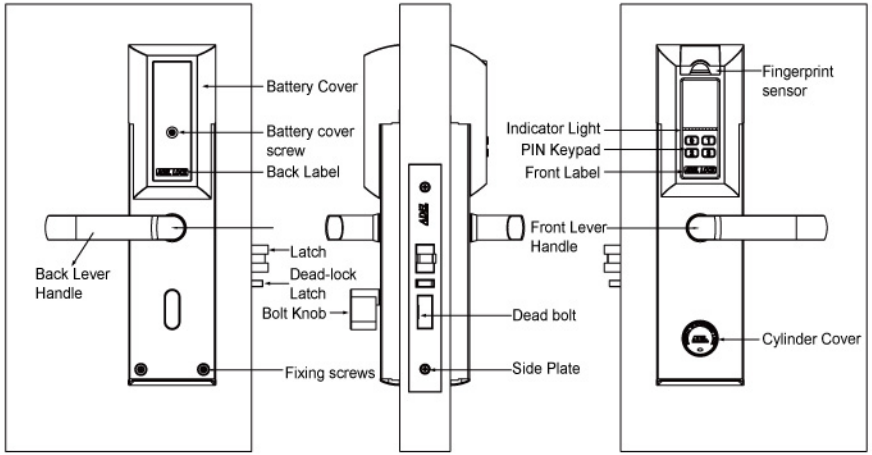
Note: When the red light on fingerprint collection window flashes, press your finger onto the window, and then remove your finger after a beep; press your finger again after 2 seconds, if you hear two long beeps, the collection is successfully completed.



Error in placing fingerprint



Name of the parts



ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

Contents

I. Assignment of fingerprint and password 06
II. Factory default setting 06
III. How to reset the lock 07
IV. Enrollment of master fingerprints / member fingerprints/ Setup of password 08
V. Deletion of fingerprints 11
VI. Fingerprint and password access 13
VII. Passage mode 14
VIII. Cancel passage mode 14
IX. Open deadlock mode 14
X. Use of mechanical key 15
XI. Change of batteries 15
XII. Troubleshooting 16
XIII. Fingerprint number & name list 18

Product features

- Three ways of unlocking: Fingerprint, password and mechanical key.
- 120 fingerprints (3 master fingerprints, 117 member fingerprints).
- Management level: Master fingerprint enrolls and deletes member fingerprint(s).
- Passage mode can be set for meetings.
- Friendly operation indication.
- Auto alarm function: If the door is not locked properly, the latches draw out , 3 seconds later the lock. will alarm automatically. While alarming, the door can't be opened with fingerprint or Emergency PIN, but can be opened with mechanical key, after 1 minutes alarming, the alarm stops, the lock go back into normal status.
- Deadlock function:when the door is closed ,the deadlocking latch is pressed against the door frame, which prevents the door from being opened simply by inserting something like credit card.
- Low battery alert.

ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

Instructions of the lock buttons:

Buttons	Function in setup state	Other functions
Button "0"	wake up button	Setting passage mode
Button "1"	enter the enroll status	
Button "2"	enter the delete status	
Button "3"	setting password	

Indication of the lock state

1.Successful operation indication	Green indicator LED flashes once, with one long beep
2.Failure operation indication	Red indicator LED flashes once, with two short beeps
3.Operation indication	Fingerprint sensor flashes
4.Low battery indication	Red and green indicator LED flashes, with three beeps
5.Occupied fingerprint No. indication	Red LED flashes once, with one short beep
6.Passage mode indication	Green indicator LED flashes once every two second
7.Deadbolt activated indication	Front and back red indicator LED flashes once every two second

I. Assignment of fingerprint and Password

Types	Quantity	Privilege
Master fingerprint	3	Enroll and delete fingerprint, password, access door
Member fingerprint	117	General access
Password	1	General access

II. Factory default setting

Factory default setting Password: 123 123 123 12
Under the factory default setting, any fingerprint can unlock the lock.

III. How to reset the lock

1. Take out the battery cover and put only 3 batteries.
2. Open the cylinder cover by the cylinder cover openner provided
3. Insert the mechanical key to unlock the lock (fully retract the mortise latch, and hold this position)
4. While the latch is fully retracted, install the last battery. Wait about 5 seconds, a long beep, indicates the lock has been reset successfully.

Note: 1.When the master fingerprint is lost,please use the above steps to reset the lock.
2.Once the lock is reset, any fingerprint can unlock the lock, and the default PIN is 1,2,3,1,2,3,1,2,3,1,2.

ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

IV. Enrollment of master fingerprints / member fingerprints/Setup of password

Enrollment of master fingerprints (take "0001"as example)

Operational procedure	Indication of the lock
In the state of new lock , put any finger on the fingerprint collection window to enter the door open state	Green light is on, and a beep with a motor sound
↓ Press button "1" to enter the enrollment state	Green light is on, and a beep sound
↓ Enter "0001"	Green light is on, and a beep sound
↓ Enter "0001" again to confirm	Fingerprint collection window flashes
↓ Put the finger to be enrolled on the fingerprint collection window, after a beep remove the finger and press one more time	Green light is on, and two long beeps
↓ The first master fingerprint is set	

Note: 1. The lock will accept any fingerprint scanned when the lock is initialized.
2. When the first master fingerprint is set, the lock will only recognize the enrolled master fingerprint.
3. Master fingerprint no. are: "0001" "0002" and "0003".
4. Please do not enroll master fingerprint and user fingerprint with the same finger.
5. Fingerprints may be enrolled continuously.After a fingerprint is enrolled,green light on,enter a new fingerprint no. twice to add new user.

Enrollment of member fingerprints (take user“1001”as example)

Operational procedure	Indication of the lock
Put the master finger on the fingerprint collection window directly ①	Green light is on, and a beep with a motor sound
⬇ Press button “1” to enter the enrollment state	Green light is on, and a beep sound
⬇ Enter “1001”	Green light is on, and a beep sound
⬇ Enter “1001” again to confirm	Green light is on with a beep and fingerprint collection window flashes
⬇ Put the finger to be enrolled on the fingerprint collection window, after a beep remove the finger and press one more time	Green light is on with two long beeps
⬇ The member fingerprint “1001” is set	

Note: ①Or, press button “0” to start up the fingerprint sensor then put the enrolled master finger on the sensor.

ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

Setup of password

Operational procedure	Indication of the lock
Put the master finger on the fingerprint collection window directly ①	Green light is on, and a beep with a motor sound
⬇ Press button “3” to enter the password setting state	Green light and red light is on, and a beep sound
⬇ Input a 11-digit password whose 1st digit should not be “0”	A beep sound with a motor sound
⬇ Password is set	

Note:① Or, press button “0” to start up the fingerprint sensor then put the enrolled master finger on the sensor.
② Password must be 11 digits, and the first digit must not be “0”.
③ To change the password, just reset a new password.
④ When setting the 11 digit password, if "0" is used as the first digit, the existing password will be deleted. Therefore to delete password, enter the 11 digit, and first number must be "0".

V. Deletion of fingerprints

Deletion of member fingerprint

Operational procedure	Indication of the lock
Put the master finger on the fingerprint collection window directly ①	Green light is on, and a beep with a motor sound
⬇ Press button “2” to enter the deletion state	Green light is on, and a beep sound
⬇ Enter “1001”	Green light is on, and a beep sound
⬇ Enter “1001” again to confirm	Green light is on with one beep and fingerprint collection window flashes once with a motor sound
⬇ Member fingerprint “1001” is deleted	

Note: ①Or, press button “0” to start up the fingerprint sensor then put the enrolled master finger on the sensor.
② Please refer to Fingerprint number & name list on page 18.
③ If you want to delete all the users in certain group, just enter the ID for deleting Group users.

ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

Deletion of master fingerprint (initialization of the door lock)

Operational procedure	Indication of the lock
Put the master finger on the fingerprint collection window directly ①	Green light is on, and a beep with a motor sound
⬇ Press button “2” to enter the deletion state	Green light is on, and a beep sound
⬇ Enter “0001”	Green light is on, and a beep sound
⬇ Enter “0001” again to confirm	Green light is on with one beep and fingerprint collection window flashes once with a motor sound
⬇ Master fingerprint “0001” is deleted	

Note: ①Or, press button “0” to start up the fingerprint sensor then put the enrolled master finger on the sensor.
②When all 3 master fingerprints are deleted, the lock will automatically restore to factory setting, which means, the lock will accept any fingerprint.

VI. Fingerprint and password access

Fingerprint access

Operational procedure	Indication of the lock
Put an enrolled finger on the fingerprint collection window directly ①	Green light is on, and a beep with a motor sound
⬇	
Turn the lock lever to unlock	

Note: ①Or, press button "0" to start up the fingerprint sensor then put the enrolled master finger on the sensor.

Password access

Operational procedure	Indication of the lock
Enter the enrollment 11 digit password directly	Green light is on, and a beep with a motor sound
⬇	
Turn the lock lever to unlock	

ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

VII. Passage mode

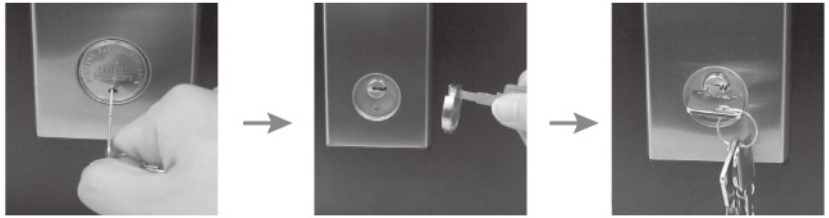
Operational procedure	Indication of the lock
Put the finger on the fingerprint collection window directly ①	Green light is on, and a beep with a motor sound
⬇	
Press and hold button "0"	Green light is on, and a beep sound
⬇	
Passage mode is set	Green light is on and flashes once every five seconds

Note: ①Or, press button "0" to start up the fingerprint sensor then put the enrolled master finger on the sensor.
②When the deadbolt is activated, the passage mode can not be set.
③ Unlock the door and press and hold "0" within five seconds before the lock locks itself.

VIII. Cancel passage mode: Use enrolled fingerprint or password to access the lock.

IX. Open deadlock mode: Only master fingerprint can open the door.

X. Use of mechanical key



1.Use the cylinder cover opener provided, open the cylinder cover.

2.Insert the key and open the door

XI. Change of batteries

Procedure ➡ Press and hold the battery cover button ➡ Remove the battery cover ➡ Take out all batteries ➡ Load new batteries

Notes:

1. When loading the batteries, operate correctly with attention to the sign of positive and negative poles in the battery box.
2. When changing batteries, never mix the new battery with the used.
3. Please preserve the environment by handing over the used batteries to designated place for reclaim.

ADEL® ADEL– 4900 Fingerprint + keypad Operation Manual

XII. Troubleshooting

Phenomenon	Cause	Solution
Press the finger on the fingerprint collection window to open the door, red light is on together with two short beeps, and fails to open the door.	1. This fingerprint might be illegal 2. This fingerprint has already been cleared	Apply a valid fingerprint
Open the door with a valid fingerprint, red light is on with two short beeps, and fails to open the door.	1. There is a large difference with the position of the valid fingerprint 2. The fingerprint is damaged	Press the finger on the collection window again, trying to minimize the difference of the position with that at the time of enrollment
Red light is constantly on	1. Low battery voltage 2. PCB failure	1. Change the batteries 2. Check Cable connection
Alarm sounds when open the door	Low battery voltage	Change the batteries
No response after pressing the buttons	1.No battery 2.Key locked	1.Change the batteries 2.Try again 3 mins later
Often fail to verify the fingerprints	1.The finger is too dirty 2.The finger is too dry 3.The finger is too wet 4.The collection window is too dirty 5.The finger press on the collection window incorrectly	1.Clean the finger 2.Moisten the finger (e.g. touch the forehead with the finger) 3.Wipe the finger 4.Clean the collection window 5.Press the finger with the method on Page 2
Fail to enter the enrollment or deletion mode①①	1.The finger for unlock is not the master finger 2.The operational procedure is incorrect	1.Confirm that you unlock with the master finger 2.Review the instructions or contact the after sales service

XIII. Fingerprint number & name list

No.	Group A		Group B		Group C		Group D	
	Fingerprint No.	Name	Fingerprint No.	Name	Fingerprint No.	Name	Fingerprint No.	Name
1	0001		1001		2001		3001	
2	0002		1002		2002		3002	
3	0003		1003		2003		3003	
4	0010		1010		2010		3010	
5	0011		1011		2011		3011	
6	0012		1012		2012		3012	
7	0013		1013		2013		3013	
8	0020		1020		2020		3020	
9	0021		1021		2021		3021	
10	0022		1022		2022		3022	
11	0023		1023		2023		3023	
12	0030		1030		2030		3030	
13	0031		1031		2031		3031	
14	0032		1032		2032		3032	
15	0033		1033		2033		3033	
16	0100		1100		2100		3100	
17	0101		1101		2101		3101	
18	0102		1102		2102		3102	
19	0103		1103		2103		3103	
20	0110		1110		2110		3110	
21	0111		1111		2111		3111	
22	0112		1112		2112		3112	
23	0113		1113		2113		3113	
24	0120		1120		2120		3120	
25	0121		1121		2121		3121	
26	0122		1122		2122		3122	
27	0123		1123		2123		3123	
28	0130		1130		2130		3130	
29	0131		1131		2131		3131	
30	0132		1132		2132		3132	
	ID For deleting Group A: 0000		ID For deleting Group B: 1000		ID For deleting Group C: 2000		ID For deleting Group D: 3000	

master fingerprints