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1.0 Features

- › State of the art optical anamorphic scanner insures quick & reliable fingerprint authentication
- › Fingerprint, pin or key access methods
- › Handle orientation can easily be reversed
- › By default, the handle automatically locks door when shut
- › All weather - operating temp: -4 ° to 140 ° F
- › Easy installation - typically installs with only a “phillips head” screwdriver!
- › Add / delete individual users directly on the lock
- › “Free Passage” mode enables unit to be unlocked when desired
- › Bump-proof “Laser Cut Dimple Keys” (4 included)
- › Keys cannot be copied
- › Fits doors 1 3/8" - 2 1/2" thick
- › Runs on any brand name 4 AA batteries
- › Audible rapid beep low battery warning
- › Fingerprints will not be lost if batteries fail or are removed
- › Sliding weather cover triggers sensor to power on automatically
- › Press the “#” button as a secondary method to activate the lock

1.1 Technical Specifications

Item	Description
Sensor	Optical
Resolution	560DPI
Scanning time	<1s
FRR(False Rejection Rate)	<0.01%
FAR(False Acceptance Rate)	<0.0001%
Battery	4 AA Alkaline battery
Working current	150-300mA
Standby current	30uA
Display	Blue LCD
Identification mode	Fingerprint, Pin, Key
Working temperature	-4 ° to 140 ° F
Working humidity	10%-97%



2.0 Fingerprint Recognition Notes

! Proper fingerprint placement is important when using any biometric device. Please be sure to use the tips below when using your fingerprint to authenticate with the 1Touch® evo3.

Tip 1: Choosing The “Best” Finger

Use either your Index, Thumb, Middle or Ring finger, when enrolling and verifying your fingerprint. Avoid using the Pinky finger, as it typically has a smaller & less defined fingerprint pattern. Also, try enrolling fingers on the non-dominant hand as those fingers may have prints in better condition.



Tip 2: Locating The Fingerprint “Core”

The “core” of a fingerprint is defined as the point located within the inner most recurving ridge. It is extremely important that this area is identified, and placed on the fingerprint scanner during the enrollment and verification of your fingerprint.



Fingerprint Core

Tip 3: Prepare The Finger For Enrollment

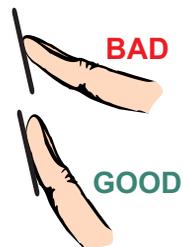
When enrolling and verifying with your fingerprint it is important that your finger be clean. It is also recommended that the finger be relatively undamaged and without scars.



Hint: Washing your hands with moisturizing soap and using hand lotion will also improve accuracy!

Tip 4: Finger Placement

When placing your finger on the scanner, make sure that the location of the “core”, located in Tip 2, is making direct contact with the scanner. Apply medium pressure, or just enough to flatten the skin on your finger.





3.0 Enrolling Fingerprint & Password Users

When Entering Users into the Lock you have 3 Options:

You can enroll fingerprints at random.

You can enroll as an ID# (+) fingerprint user.

You can assign users a pass code.

ALL pass codes MUST be 8 digits long!

3.1 Examples of Different Enrollment Options

Enroll at Random

If you are using the lock on a home & the primary users will be your immediate family & you do not have any reason to think you will need to delete them from the lock in the future, we suggest you use this type of enrollment. You can store several scanned templates of several fingers without having to re-enter the enrollment code per finger.

(ex. 3 scans of 2 fingers on each hand for each user)

ID# with Fingerprint User

If you are using the lock on the door of a small business or at home and you need the ability to delete a user without deleting all users, this type of enrollment is best. You will assign a 3 digit ID# to each scanned template per user. For example, you have 2 temporary workers named Mary & Adam. You make Mary user 101 & scan her index finger. The lock will scan the fingerprint twice per template. If you want to enroll another finger for Mary you create another ID# like 102 for that new finger. You do the same procedure for Adam. You make him user 103. If you want to delete the user you simply delete the user ID# & the fingerprint associated with that ID# is deleted out of the system.

Pass Code Users (Not the Master Pass Code!)

You can create a series of pass codes to gain entry. If a person has damaged fingerprints you can assign them a pass code. You can also set up pass codes for your shift managers. A common use is to create a pass code you can give out in case of emergencies. For example; you are out of town & need to let a neighbor into your house. You tell them the pass code. When you get home you simply delete that pass code.

***You can use any combination of all three enrollment options!**



NOTE: The scanner cover must be pulled up or the “#” button pressed to power on the lock before adding, deleting, or changing codes or fingerprint users.

The 1Touch® evo3 will automatically exit out of Programming Mode after 15 seconds. Please be sure to wait 15 seconds after enrolling, modifying or deleting a user before using the 1Touch evo3.

3.2 Changing Master Code

PRESS:

0 + * + Default Master Code + New 8 Digit Master Code + Repeat New 8 Digit Master Code + #

NOTE: The default Master Code is: 11111111

NOTE: When successful the lock will make a solid single beep. If unsuccessful it makes 3 quick beeps.

HINT: When entering the codes take a 2-3 second short pause between codes

Example: Master Code (pause) New 8 Digit Code (pause) Repeat New Code

When the Master Code has been changed, close the slide cover, open it up & try the code to confirm your new code is working.

3.3 Enroll Fingerprint Users at Random (No User ID's)

PRESS:

1 + # + Master Code + #

NOTE: At this point the scanner will light up.

FIRST SCAN: Place the 1st finger on the scanner and remove when scanner light turns off.

SECOND SCAN: Replace the same finger when scanner lights up for the second time. You will hear a single beep if the enrollment is successful.

REPEAT: You can keep adding fingerprints one after another at this stage.

HINT: If a scan fails you will hear 3 beeps & the scanner goes off. Just repeat the steps above.



3.4 Enroll Fingerprint Users with User ID's

PRESS:

1 + # + Master Code + 3 digit User ID + #

NOTE: At this point the scanner will light up.

FIRST SCAN: Place the 1st finger on the scanner and remove when scanner light turns off.

SECOND SCAN: Replace the same finger when scanner lights up for the second time. You will hear a single beep if the enrollment is successful.

REPEAT: To add another finger for this user or any other users please repeat the process stated above. A fingerprint ID# can NOT be the same as a pass code ID#.

Example: Fingerprint User ID= #200 and Pass Code User ID= #300

3.5 Enroll Pass Code User

PRESS:

1 + * + Master Code + 3 Digit ID + New 8 Digit Pass Code + Repeat New 8 Digit Pass Code + #

NOTE: A pass code ID# can NOT be the same as a fingerprint ID#.

HINT: When successful the lock will make a solid single beep. If unsuccessful it makes 3 quick beeps.

HINT: When entering the codes take a 2-3 second short pause between codes.

Example: Master Code (pause) ID# (pause) New Code (pause) Repeat New Code

When the new pass code is enrolled, close the slide cover, open it up & try the code to confirm your new code is working.



4.0 Unlocking Door with Fingerprint

To open with an enrolled fingerprint simply slide the cover up & place the finger gently on the scanner.

NOTE: You will hear a beep & a click sound. Your door is now open.

NOTE: If the cover is already up: simply hit the # button to activate the scanner.

4.1 Unlocking Door with a Pass Code

PRESS:

8 DIGIT PASS CODE

NOTE: Do not enter the 3 digit user ID.

NOTE: You will hear a beep & a click sound. Your door is now open.

4.2 Unlocking Door from the Inside

To open the lock from inside your home or business simply turn the handle.

NOTE: The 1Touch® evo3 always provides “free egress”. It is impossible to prevent someone from exiting the building.

4.3 Locking the Door

After you exit through the door or the door shuts behind you the 1Touch® evo3 automatically locks the latch.

4.4 Enabling/Disabling Passage Mode

When enabled, Passage Mode allows the 1Touch® evo3 to be unlocked simply by lifting the slide cover or pressing the ‘#’ button. This feature is useful when user authentication is not required.

PRESS:

*** + * + Master Code + #**

NOTE: Entering the code above will toggle Passage Mode between enabled status and disabled status.

NOTE: Unlock by sliding the cover up or hitting the # button.



5.0 Deleting a Fingerprint User with a User ID

PRESS:

**2 + # + Master Code + Users 3 Digit ID + Users
3 Digit ID Again + #**

NOTE: When successful the lock will make a solid single beep. If unsuccessful it makes 3 quick beeps.

5.1 Deleting ALL Fingerprint Users

HINT: This procedure will delete all fingerprint users with user ID's and those without user ID's!

PRESS:

3 + # + Master Code + #

NOTE: When successful the lock will make a solid single beep. If unsuccessful it makes 3 quick beeps.

5.2 Deleting Pass Code Users with User ID's

PRESS:

**2 + * + Master Code + Users 3 Digit ID + Users
3 Digit ID Again + #**

NOTE: When successful the lock will make a solid single beep. If unsuccessful it makes 3 quick beeps.

5.3 Delete ALL Pass Code Users

PRESS:

3 + * + Master Code + #

NOTE: When successful the lock will make a solid single beep. If unsuccessful it makes 3 quick beeps.



6.0 Frequently Asked Questions

1) Where does the key go?

You remove the decorative cover from the keyway using the black Magnetic Key Cover tool that came with the lock.

2) Can I get more keys made for my lock?

This lock comes with 4 high security “Laser Cut Dimple” keys, which are “Bump proof”. Due to this security feature it is impossible to get or make more keys. The key cylinder cannot be replaced.

3) How do I change the batteries?

On the back lock body (the side of the lock without the scanner)) find the base of the handle, there is a ring around it. Twist off the ring nut by hand or use “Y” wrench that came with the lock (depicted on page 11, figure 1 of the manual), then take off cover to replace the batteries.

4) What kind of batteries should I use?

Any 4 AA batteries will work. We suggest for 1st time users get brand name new batteries like Energizer or Duracell.

5) How often should I change the batteries?

If in a conventional home setting you will be able to get several thousand uses out of a set of batteries. Though not required we do recommend you change batteries at the same time you change them in your smoke detectors or when you change your clocks. It's best to keep the batteries as fresh as possible.

6) If I take the batteries out, will I lose the information in the lock?

No! The 1Touch® evo3 stores the information even with no batteries!

7) How do I know if the batteries are getting low?

When you slide the scanner cover up it will make a series of very quick beeps. That is the low power warning. It sounds much different than the chime you get normally.

8) Can the lock be set to allow access when just turning the handle?

No. The 1Touch® evo3 can be set to passage mode that will allow access when lifting the slide cover or pressing ‘#’.



7.0 Troubleshooting the 1Touch evo3

1) Are you using the correct Master passcode?

Confirm you know the Master Passcode. Press the #1 button eight times. If that works its the current Master Passcode (See Page 4). If not you need to find the new master code or reset the lock.

2) Be Sure You Are Using Fresh Brand Name Batteries!!

The 1Touch® evo3's internal circuitry and scanner requires a good source of power which is provided by 4 AA batteries. It is advised that the batteries are replaced with fresh, name brand batteries anytime a decrease in lock performance is noticed, even if the low battery warning is not heard!

3) If the scanner is not reading certain fingerprints well:

- Try re-enrolling the user's fingerprint. Certain characteristics of a fingerprint may change over time requiring re-enrollment.

- Try a fingerprint from a non-dominant hand.

- When you are enrolling your fingerprint templates please remember to do the following:

- * Make sure you are putting the "Core" of your fingerprint on the scanner. (Refer to page 2 for more information)

- * When enrolling multiple templates, try to slightly change the way you rest your finger on the scanner with each scan. Imagine you have groceries in your hand and will be approaching the scanner with the other hand. This will help the scanner detect slight variations when you place your finger on the scanner.

- * Simply **Place** your finger on the scanner, do not **Press Down** too hard! Pressing too strongly will cause the ridge patterns to flatten out, making it more difficult for the scanner to match the fingerprint!

- * If it's cold outside, blow on your hands and rub them together or add lotion. This will warm up your fingers causing the ridge patterns of your fingerprints to stand out more.

4) If the scanner lights up solid blue, but never accepts or rejects any fingerprint, and simply turns off after 10-20 seconds:

Please perform a Factory Default of the lock. (see page 10)

5) Unable to change or add a code?

When entering the different codes it's advised to pause 2-3 seconds between entering of the new codes. (ex. Default code (pause) New Code (pause) New Code again.)



6) If you are hearing a Beep sound:

1-Beep = Successful Action (scanned finger, entered code etc..)

3-Beeps = Unsuccessful Action

3-Sets of 2 Beeps = The User ID# is already in use

Rapid beeping sound when the cover is lifted = Low Battery Warning

Rapid beeping sound when enrolling a new user = Out of Memory

8.0 Performing a Factory Default

FIRST: Please remove the back lock body cover

NEXT: Disconnect the power cable from the battery pack.

NOTE: If you are trying to troubleshoot an issue with the 1Touch, reconnect the power cable and test your lock. If the lock now works, the problem was likely a cable connection issue. If this does not solve the problem, disconnect the power cable and move on to the next steps.

NEXT: Remove the front lock body off the door.

NEXT: Remove the back lock body off the door.

NOTE: It is recommended to use new AA batteries. If available, connect a 9VDC battery instead of the battery pack for added power during Reset.

NEXT: Reconnect the front & back lock bodies by reconnecting the power cable to the battery pack or a 9V battery.

NEXT: Find the “Reset” button on the back of the front lock body.

NEXT: Press & hold down the small button labeled “Reset”.

NEXT: While holding the “Reset” button down, use your other hand to slide the scanner cover up.

NOTE: After about 10-15 seconds you will hear a single beep indicating the lock has been reset.

HINT: To confirm, slide the cover up & enter the default Master Code 11111111. It will open the lock.

For more troubleshooting information visit:
<http://www.fingerprintdoorlocks.com/help/>



9.0 Setting the Direction of the Handle

Choose whether your lock should be set to a Left 'L' or Right 'R' handed position:

- When looking into the room being secured: If the door hinges are on the right side of the door, then your lock needs to be set to the Right 'R' Position. If the door hinges are on the left side of the door, then your lock needs to be set to the Left 'L' Position

Setting the back lock handle position:

- Take the back body cover off the lock as seen on page 12. Once the back body cover is removed the handle orientation switch will be displayed, as seen in figure 1.
- With a fingertip pull down on the switch. A click and release of the handle will occur. The handle will swing up to the vertical position (figure 2).
- Now pull the handle down to the desired orientation. A click will place the handle into position (figure 3).

Setting the front lock handle position:

- Turn the front lock body in order to see the back side with the axle; which has the handle orientation switch (figure 4).
- Using a fingerprint pull the switch up to release the handle, then turn the handle to the desired orientation.
- The handle will click into place and you are ready to install your lock.

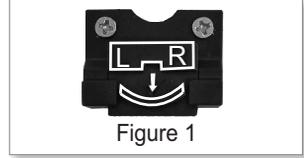


Figure 1



Figure 2



Figure 3



Figure 4



10.0 Disassembly and Assembly

Disassembly:

- Using the tool represented in figure 5, remove the nut highlighted in figure 6.
- Slide the Back Body Cover, highlighted in figure 7, off of the Back Body of the 1Touch lock.
- Remove the 2 screws, highlighted in figure 8, to separate the Front and Back Lock Bodies.

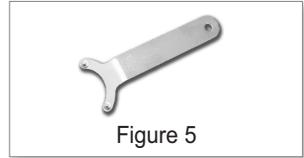


Figure 5



Figure 6



Figure 7

Assembly:

- Replace existing latch with the latch provided with the 1Touch
- **Using the necessary supplied rubber gaskets**, align the lock Front and Back Bodies into position. Be sure to pass the power cable through the door hole and also through the hole in the Back Body (above and right of the top screw in figure 4). **Power pack runs on 4 AA batteries NOT a 9V battery!! The Power cable/adaptor connects to the Black Battery pack on the back lock body!**
- With the Front and Back Bodies in position, replace the 2 screws highlighted in figure 8.
- Replace the Back Body Cover highlighted in figure 7
- Replace the nut highlighted in figure 6

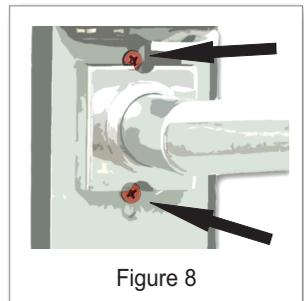


Figure 8

For more installation information visit:
<http://www.fingerprintdoorlocks.com/help/>



1Touch® evo3 Series Fingerprint Lock

11.0 Accessing the Key Hole with the Magnetic Key Cover Tool

FIRST: Locate the Magnetic Key Cover Tool.

NEXT: Place the magnetic end of the tool directly on the Key Hole Cover.

NEXT: Once magnetically attached, simply pull the tool away from the lock and the Key Hole Cover should separate and remain attached to the tool.



12.0 Technical Support

For all technical issues, please contact:

FAQ's & Video Help Files:

<http://www.fingerprindoorlocks.com/help/>

Phone: 513.239.6322

Email: support@1touchlock.com