

# User Manual of Fingerprint Code Locker Lock

- There are two modes available for choosing in fingerprint code locker lock: **Public Mode and Home Mode.**
- There are two unlocking methods for choosing: **single-unlocking method and double-unlocking method**

## Part 1: EM Code Locker Lock in Public Mode

Lock in public mode has: 1 group of master password, 1 group of temporary password, 1 master fingerprint and 1 temporary fingerprint.

Password: 4~15 bits

### I. Default Status:

Press the reset button on PCB for 5 times constantly, lock would turn into default status:

Master password: 12345678; Lock in Home mode, Single unlocking method. All fingerprints were cleared.

### II. Swift Lock mode from Home mode to Public mode:

Master Password + Key button + 7 + Key button: Lock is shift into Public mode and in Keep-open state.

### III. Operations:

#### A. Master fingerprint and Master password setting: (Lock in Keep-open state and in Locked-state both workable)

##### 1. Adding Master fingerprint:

When lock in Default status, the first fingerprint read by the lock reader is the master fingerprint.

##### 2. Changing Master Password:

Original master password + Key button + 1 + New Master password + Key button + Confirming new master password + Key button

#### B. Adding temporary Password and fingerprint:

##### 1. Adding temporary password (when lock with single-unlocking method)

New Password + Key button + confirming new password + Key button: After this operation, lock would be closed.

##### 2. Adding temporary fingerprint (when lock with single-unlocking method)

Take fingerprint to be read by the lock reader: After this operation, lock would be closed.

##### 3. Adding temporary password and card (when lock with double-unlocking method)

3.1 New password + Key button + confirming new password + Key button, then press fingerprint: After these operations, lock would be closed.

3.2 Press fingerprint, then put in new password + Key button + confirming the new password + Key button: After these operations, lock would be closed.

These two ways are both for adding temporary password and fingerprint to open lock together.

#### C. Lock setting:

1. Shifting between Home mode and Public mode:  
Master password + key button + 7 + key button
2. Shifting from Single-unlocking method to Double-unlocking method:  
Master password + key button + 6 + key button
3. Shifting from Double-unlocking method to Single-unlocking method:  
Master password + key button + 5 + key button

**D. Unlocking:**

1. With single-unlocking method:  
Temporary password( or master password) + Key button: Lock changed into keep-open state, temporary password and temporary fingerprint both become invalid.
2. With Double-unlocking method:
  - 2.1 Master password + Key button; or press master fingerprint : Lock changed into keep-open state, temporary password and temporary card both become invalid.
  - 2.2 Temporary password + Key button + press temporary fingerprint: Lock changed into keep-open state, temporary password and temporary card both become invalid.
  - 2.2 Press temporary fingerprint + Put in Temporary Password + Press key button: Lock changed into keep-open state, temporary password and temporary card both become invalid.

## Part 2: EM Code Locker Lock in Home Mode

Lock in public mode has: 1 group of master password, 200 groups of unlocking password (numbered from 001 to 200), 1 master fingerprint and 50 unlocking fingerprints (numbered from 01 to 50)

Password: 4~15 bits

**I. Default Status:**

Press the reset button on PCB for 5 times constantly, lock would turn into default status:

Master password: 12345678; Lock in Home mode, with Single-unlocking method.

**II. Swift Lock mode from Public mode to Home mode:**

Master Password + Key button + 7 + Key button: Lock is shifted into Home mode and in locked state.

**III. Operations:**

**A. Master fingerprint and Master password setting:**

1. Adding Master fingerprint:  
When lock in Default status, the first fingerprint read by the lock reader is the master fingerprint.
2. Changing Master Password:  
Original master password + Key button + 1 + New Master password + Key button +  
Confirming new master password + Key button

**B. Adding unlocking password and unlocking fingerprint:**

1. Adding unlocking password:

Master password + Key button + 8 + number(001~200) + key button + unlocking password + Key button + Confirming unlocking password + Key button  
(Unlocking passwords could be added continuously)

2. Adding unlocking fingerprint:

Press master fingerprint on lock sensor + number(01~50) + key button, then press the fingerprint you want to set as unlocking fingerprint.

(Unlocking fingerprints could be added continuously)

**C. Deleting unlocking fingerprints and password:**

1. Deleting unlocking password:

Master password + Key button + 4 + number of the unlocking password (001~200) + Key button + confirming number(001~200) + key button: Passwords could be deleted continuously.

2. Deleting unlocking fingerprint:

Press the master fingerprint + 4 + number of the unlocking fingerprint (01~50) + Key button + confirming number(01~50) + key button: Fingerprints could be deleted continuously.

3. Deleting all of the unlocking passwords:

Master password + key button + 0 + key button

4. Deleting all of the unlocking fingerprint:

Press master fingerprint + press 0 button + key button

**D. Lock setting:**

1. Shifting between Home mode and Public mode:

Master password + key button + 7 + key button

2. Shifting from Single-unlocking method to Double-unlocking method:

Master password + key button + 6 + key button

3. Shifting from Double-unlocking method to Single-unlocking method:

Master password + key button + 5 + key button

**E. Unlocking:**

1. With Single-unlocking method:

1.1 Press any unlocking fingerprint or master fingerprint: Lock could be opened and then locked automatically after 5 seconds.

1.2 Put in any group of unlocking password or master password: Lock could be opened and then locked automatically after 5 seconds.

1.3 During the 5 seconds when the lock is open (when lock bolt is in the lock body), you could change the unlocking password:

Press 1 button + new unlocking password + Key button + confirming the new password + Key button

2. With Double-unlocking method:

2.1 Master password + Key button; or press the master fingerprint : Lock could be opened and then locked automatically after 5 seconds.

2.2 Unlocking password + Key button + unlocking fingerprint: Lock could be opened and then locked automatically after 5 seconds.

2.2 Press unlocking fingerprint + Put in unlocking Password + Press key button: Lock could be opened and then locked automatically after 5 seconds.

Note: when lock is with double-locking method, password cannot be changed during the 5 seconds when the lock is open.

3. Putting wrong passwords(or wrong fingerprints) constantly for 7 times would make the keypad locked for 2 minutes.

### **Other Functions:**

1. If password is invalid, there would be three short sound of beep and blue light would be off.
2. If batteries in low power, there would low-voltage alarming; When the lock in very low voltage, unlocking fingerprints cannot work and only the master fingerprint workable.

### **Special Tips:**

1. For your property security, we strongly suggest you change the master password and deleting all unlocking password when lock installation finished.
2. For improving security, our lock could be unlocked by anti-peep password. For example: if your correct password is 123456, you could add any numbers before or after this correct password (as long as the password you put in is no more than 32 bits), such as 02123456987.

### **Main Function:**

Touchable keypad for password inputting

Unlocking methods could be set by users: single-unlocking method or double-unlocking methods

Fingerprints are set on lock without software: 1 master fingerprint and 50 unlocking fingerprints at most.

Passwords could be changed by users: 1 master password and 200 unlocking password at most

Anti-peep password available, 32 bits at most.

Batteries power supply, external power supply in emergency.

### **Main Technical Data**

Working Voltage: 6.0V (4 pieces of 1.5V alkaline batteries)

Static power consumption: <40uA

Dynamic power: <300 mA

Low voltage indication:<4.8V

Temperature: 0°C -70°C

Working humidity: ≤ 80%