



# EZ LOCK

User Guide for Cabinete Lock

## **Password inductive ID card independent door lock**

This door lock has two kinds of opening modes: one-off password mode for public locker and fix multiple passwords mode for household. And there are independent and combined opening methods in each mode.

**The independent opening method: use an inductive ID card or password to unlock.**

**The combined opening methods: use an inductive ID card and passwords together to unlock.**

**Remarks: The door lock has been initialized in factory with master password of 12345678 and independent opening method in the mode of fix multiple passwords for household.**

### **Switching mode:**

- 1.1 From fix multiple passwords mode for household to one-off password mode for public:  
Put in the 8-digit master password and press the unlock key, the bolt will withdraw. Then press 7, there would be twice long sounds and the blue light twinkling. Next press the unlock key to confirm the operation. When you hear the sound of ticktock twice, the switching is succeeded. Press the key of \* to exit.
- 1.2 From one-off password mode for public to fix multiple passwords mode for household:  
Put in the 8-digit master password and press the unlock key, the bolt will withdraw. Then press 7, there would be twice long sounds and the blue light twinkling. Next press the unlock key to confirm the operation. When you hear the sound of ticktock once, the bolt will back out and the switching is succeeded. Press the key of \* to exit.
- 1.3 From the independent opening method to the combined opening method:  
Put in the 8-digit master password and press the unlock key, the bolt will withdraw. Then press 6, there would be six long sounds and the blue light twinkling. Next press the unlock key to confirm the operation. When you hear the sound of ticktock twice, the switching is succeeded. Press the key of \* to exit.
- 1.4 From the combined opening method to the independent opening method:  
Put in the 8-digit master password and press the unlock key, the bolt will withdraw. Then press 5, there would be five long sounds and the blue light twinkling. Next press the unlock key to confirm the operation. When you hear the sound of ticktock twice, the switching is succeeded. Press the key of \* to exit.

### **Independent opening method in the one-off password mode for public:**

When the lock is in the state of stay-opening, put in a set of password that is wanted and then press the unlock key to confirm, there would be one soud of ticktock and the blue light twinkling in medium speed. Next, put in the same password and press the unlock key to confirm. When you hear the soud of ticktock twice and the bolt backs out, the password is effective.

Put in the password and press the unlock key to confirm, the lock will be opened and this password will be invalidated. The lock backs to the state of stay-opening.

### **Combined opening methods in the one-off password mode for public:**

When the lock is in the state of stay-opening, put in a set of password that is wanted and then press the unlock key to confirm, there would be one sound of ticktock and the blue light twinkling in medium speed. Next, put in the same password and press the unlock key to confirm. When you hear the sound of ticktock twice and the blue light twinkling in medium speed, read the inductive ID card in 10 seconds, then there would be two sounds of ticktock and the bolt would back out, the password is effective. (reading the card first and set password next is also OK)

Put in the password and press the unlock key to confirm, when you hear a sound of ticktock, read the inductive ID card to unlock the door and this password will be invalidated. The lock backs to the state of stay-opening. (reading the card first and putting in password next can also unlock the door)

In the mode of combined opening methods, if you read the card first(or put in password and press key first), there would be one sound of ticktock and blue light twinkling in medium speed. Then put in the opening password and press the unlock key(or read the inductive ID card) in 10 seconds, the blue light will be on and the door be unlocked.

## **Setting ID card operation manual**

### **(1) Master card**

Function: setting and delecting effective opening cards; opening the lock.

### **(2) Opening cards**

Fuction: opening the lock

## **1. Setting and delecting master card**

1.1 Press the button on the breadboard for 5 times and all of the cards and password would be cleared.

1.2 Press the button 5 times to clear all of cards and passwords, then read the first card. When you hear two sound of ticktock, the card is set as the master card.

## **2. Adding opening cards**

### **2.1 To enter the state of adding cards**

Read the master card, there would be one sound of ticktock, the elevator rotating and the blue light twinkling. Then read the master card again, when there is one sound of ticktock and the blue light twinkling in slow speed, the lock enters the state of adding cards. Cards read in this state are the opening cards. If none of effective cards read in 5 seconds, the bolt backs out and the lock exits the state of adding cards.

### **2.2 The operation of adding opening cards**

After the lock enters the state of adding opening cards, take a card that is wanted to be an opening card near the inductive area. Two sounds of ticktock mean succesful adding the card. If the card has been an opening card, the buzzer will alarm twice. 200 piece of opening cards is available.

## **3. Clearing opening cards**

### **3.1 Clearing single one opening card**

Read the master card three times, then the blue ligh will twinkle in medium speed. Next read the card wanted to be cleared. The 2 sounds of ticktock mean successful clearing the card. Repeat this operation can also clear other cards. If the card is not for opening the lock, there would be 5 shout sounds.

### 3.2 Clearing single one lost opening card

Read the master card four times, then the blue light will twinkle in fast speed. Read the card previous to the lost one, two sounds of ticktock from the buzzer mean that the lost card is cleared. If the first opening card is lost, just read the last card. And 5 short sounds from the buzzer mean the card do not exist.

### 3.3 Clearing all of the opening cards

Read the master card 5 times, then three sounds of ticktock and twinkling blue light mean all of the opening cards are cleared. Only by master card to add again can the opening cards unlock the door.

**Notes: when you add new opening cards, the order will always sort from the very first cleared card.**

## 4. Unlocking the door

### 4.1 Unlocking by inductive ID cards

Read an effective ID card near the inductive area, music from the buzzer, elevator rotating and the blue lights on mean the lock is opened. Several seconds later, the bolt will back out to lock the door

Remarks:

- (1) 5 short sound from the buzzer and red light on mean the card is ineffective opening card.
- (2) If the battery power is low, there would be voltage alarm. When power is too low, the ID cards fail to unlock the door and only the master card can make it.

## Setting password operation manual

### (1) Master password:

Fuction: setting and clearing effective opening password; unlocking the door.

### 1. Opening password:

Fuction: unlocking the door

### 2. Changing master password

1.1 Put in the original 8-digit password and press unlock key, then the elevator will rotate with blue light twinkling. Next, press 1. When there is one sound of ticktock from the buzzer and blue light twinkling in medium speed, put in the new password( 4 to 15 digits) and press the unlock key. Then you will hear a sound of ticktock and see the blue light twinkling in high speed. Put in the password again and press the unlock key, two sounds of ticktock mean successful changing the master password. If putting the wrong password in the second time, five short sounds of “beep” will be heard when you press the unlock key. And just repute in the right password after the five sounds. Pressing the key of \* will exit the state.

### 3. Adding opening passwords

Put in the master password and press the unlock key, the elevator will rotate. Then press 8, you will hear a sound of ticktock and see the blue light twinkling in medium speed. Next put in password and press the unlock key. When you hear s sound of ticktock and see the blue light twinkling in high speed, put in the password again and press the unlock key. Two sounds of ticktock mean successful adding password. If putting the wrong password in the second time, five short sounds of “beep” will be heard when you press the unlock key. And just repute in the right password after the five sounds. If the password has existed, there would

be an alarm from the buzzer. 200 opening passwords is available at most, and 4 to 15 digits number in each password. Pressing the key of \* will exit the state.

#### **4. Clearing or changing opening passwords**

##### 4.1 Clearing single one opening password

Put in the master password and press 4. When you hear a sound of ticktock and see the blue light twinckling, put in the password previous to the one you want to clear. Two sounds of ticktock mean successful clearing. If you want to clear the first password, put in the last password in this state. And pressing the key of \* will exit the state.

##### 4.2 Clearing all of the opening passwords

Put in the master password and press 0. When you hear a sound of ticktock and see the blue light twinckling in high speed, press the unlock key to confirm. Two sounds of ticktock from the buzzer and the twinckling blue light mean successful clearing all of the opening passwords. Pressing the key of \* will exit the state.

##### 4.3 Changing the opening password

Put in the original opening password and press 1. When you hear a sound of ticktock and see the blue light twinckling in medium speed, put in a new password and press the unlock key. Then there would be one sound of ticktock and blue light twinckling in high speed. Next repute in the new password and press the unlock key. Two sounds of ticktock means successful changing the opening password. If putting the wrong password in the second time, five short sounds of “beep” will be heard when you press the unlock key. And just repute in the right password after the five sounds. Opening passwords can be set as 4 to 15 digits numbers. Pressing the key of \* will exit the state.

**Notes: when you add new opening password, the order will always sort from the very first cleared password.**

#### **5. Unlocking the door**

##### 5.1 By master password

Put in the master password and press the unlock key. A sound of ticktock, the elevator rotating and the blue light twinckling in slow speed mean the lock is opened. Five seconds later, the door will be locked.

##### 5.2 By opening passwords

Put in a opening password and press the unlock key. The music from buzzer, the elevator rotating and the blue light twinckling in slow speed mean the lock is opened. Five seconds later, the door will be locked.

**Notes: putting the wrong passwords for 7 times continuously will lock the keypad for 2 minutes**

- (1) If the passwords is uneffective, there would be three short sounds of “beep” from the buzzer and be blue light screen would be off.
- (2) If the battery power is low, there would be voltage alarm. When power is too low, the ID cards fail to unlock the door and only the master card can make it.

#### **6. Special Tips**

6.1 For your property safety, we are here to remind you to change the master password and clear all opening password immediately after locks install well.

6.2 In order to improve security, the system supports garbled open function. For example: the correct password is 123456, you can add any numbers before or

after the correct password (up to 32 digits number), e.g put in 012123456798.

### **Main Fuction Features:**

1. Card type: EM4100 ID card
2. Touching keypad password input
3. Microwave to test the near cards
4. You can set opening methods: independent mode of Mifare card or password unlocking alone; or combined mode of using Mifare card and the password to unlock together.
5. The card is set on the lock, no need other system software. You can set one master cards and 200 opening cards at most.
6. the password can be set by yourself and 1 set of master password and 200 set of opening password available at most.
7. The lock support " garbled" input ,the longest is up to 32 digits numbers.
8. Battery power supply and external emergency power supply are all available.

### **Main technical indicators:**

Operating Voltage: 6.0V (4 pieces of AAA alkaline batteries)

Static power consumption: <40uA

Dynamic power: <300 mA

Low voltage indication: <4.8V

Reading Card Distance: > 20mm

Temperature: 0°C -70°C

Working humidity: ≤ 80%