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## MENGQI-CONTROL Two Way F8-MagLock e

# MENGQI-CONTROL Biometric Access Control System User Manual

Model: **Two Way F8-MagLock e** | Brand: **MENGQI-CONTROL**

## 1. Product Overview

The MENGQI-CONTROL Biometric Access Control System provides secure entry and exit management for various premises. It integrates fingerprint, RFID card/key fob, and PIN code authentication methods, coupled with a robust electric magnetic lock for enhanced security. This system is designed for ease of installation and comprehensive control over access points, maintaining detailed records of all entries and exits.




Figure 1: Complete MENGQI-CONTROL Biometric Access Control System Kit.

## 2. Package Contents

Verify that all items listed below are included in your package:

- 2 x Fingerprint + RFID + PIN Code Access Control Devices
- 1 x Electric Magnetic Lock (600LBS / 280kg holding force)
- 1 x Power Supply Unit (110-240V input, to power the whole system)
- 10 x RFID Keyfobs
- 10 x RFID Cards
- 1 x Push to Exit Button
- 1 x CD for Software/User Manual/Wire Diagram/Video Guide

## 3. Product Components

### 3.1 Fingerprint/RFID/PIN Access Control Device

This is the primary interface for user authentication. It features a color screen display, keypad for PIN entry, and a fingerprint scanner. It also supports RFID card and key fob access.




Figure 2: Fingerprint/RFID/PIN Access Control Device.

### 3.2 Electric Magnetic Lock

The 600LBS (280kg) holding force magnetic lock provides secure door locking. It consists of the main lock body and an armature plate, designed for robust security applications.

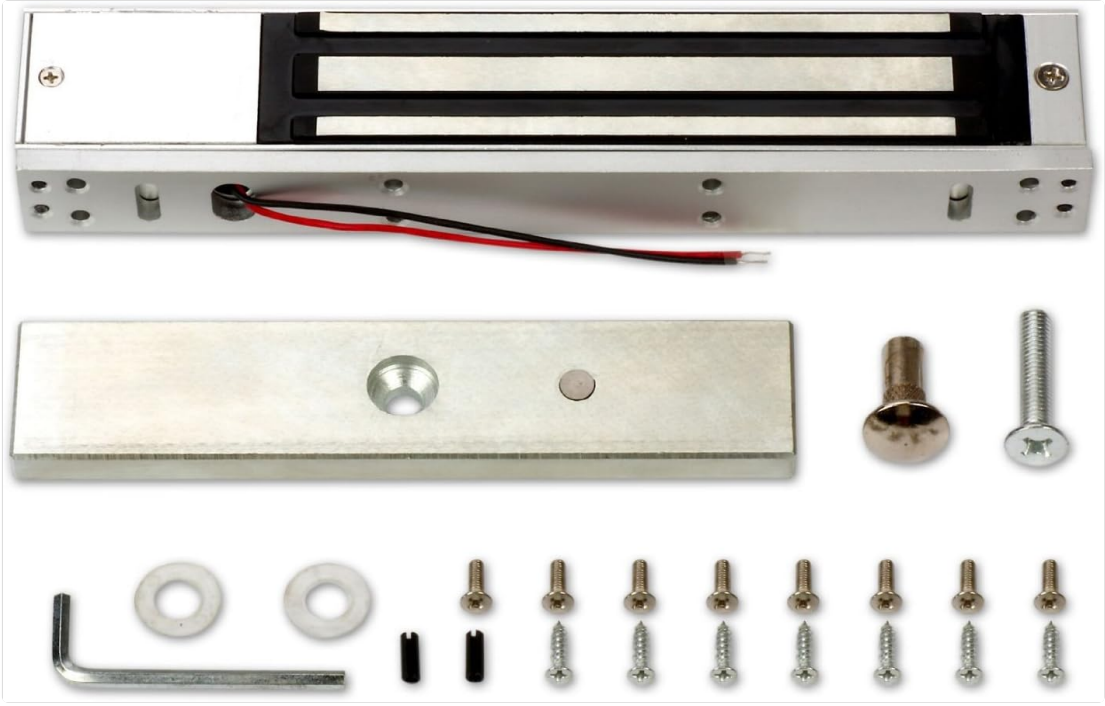

Figure 3: Electric Magnetic Lock Components.

### 3.3 Power Supply Unit

The power supply unit converts 110-240V AC input to 12V DC output, providing stable power to the entire access control system.




Figure 4: Power Supply Unit (Model K80).

### 3.4 Push to Exit Button

This button allows for convenient exit from the secured area by momentarily releasing the magnetic lock.




Figure 5: Push to Exit Button.

### 3.5 RFID Keyfobs and Cards

These are used for convenient access by swiping them near the access control device. The kit includes both keyfobs and cards for flexibility.



Figure 6: RFID Keyfobs.



Figure 7: RFID Cards.

## 4. Setup and Installation

Proper installation is crucial for the system's functionality and security. Refer to the detailed wiring diagram provided on the included CD. The following video also provides a quick wire guide for the fingerprint kit components.

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Video 1: Quick Wire Guide for Fingerprint Kit. This video demonstrates the wiring connections between the access control device, power supply, magnetic lock, and exit button. It highlights the specific terminals for each connection, such as DC12, Push, GND, NC, and COM, following the wire labels.

### 4.1 Wiring Overview

- **Fingerprint Device Connection:** The device typically uses a 6-pin wire group.
- **Power Supply to Keypad:** Connect the red wire of the keypad to DC12 on the power supply.
- **Push Button Connection:** Connect one wire from the exit button to PUSH and the other to GND on the power supply. The button's polarity does not matter.
- **Magnetic Lock Connection:** Connect the red wire of the magnetic lock to NC (Normally Closed) and the black wire to COM (Common) on the power supply.
- **Power Input:** The two red wires from the power supply connect to the power cord cable, which then plugs into an electrical outlet. Polarity for these wires does not matter.

For detailed step-by-step instructions and diagrams, please refer to the CD included in your package.

## 5. Operation

The system allows access through multiple methods:

- **Fingerprint:** Place your registered finger on the scanner.
- **RFID Card/Key Fob:** Swipe your registered card or key fob on the keypad area.
- **PIN Code:** Enter your registered PIN code using the keypad.

The system tracks all entries and exits, providing a comprehensive record of access events.

## 6. Programming (Quick Guide)

This section provides a quick guide for registering users. For full programming details, refer to the comprehensive manual on the included CD.

### Register Fingerprint

1. Press "M" Key.
2. The first one "User mgt", then press OK.
3. The first one "Add User", then

press OK.

4. Press OK directly.
5. Punch the **same fingerprint for two times**.
6. After success, then press "C" key. Press "OK" to save.
7. Press "C" key continuously to quit menu.
8. Now, punch your fingerprint, can open lock.

### Register Card/Key Fob

1. Press "M" Key.
2. The first one "User mgt", then press OK.
3. The first one "Add User", then press OK.
4. Press "▼" or "▲" arrow key, select "**Card**", then press OK.
5. Take a card or key fob, swipe on the keypad area.
6. Press OK (important, not forget here to press OK).
7. Then press "C" key. Press "OK" to save.
8. Press "C" key continuously to quit menu.
9. Now, swipe card or Key Fob, can open lock.

### Register PIN Code

Please refer to the full user manual on the included CD for detailed PIN code registration instructions.

## 7. Maintenance

To ensure optimal performance and longevity of your access control system:

- Keep the fingerprint scanner and keypad clean and free from dust or debris.
- Avoid exposing the devices to extreme temperatures or direct moisture.
- Regularly check wiring connections for any signs of wear or looseness.
- For the magnetic lock, ensure the armature plate and lock body are aligned correctly and free of obstructions.

## 8. Troubleshooting

Common issues and their solutions:

- **Issue: Weak Lock Force.**
  **Cause:** The armature plate may be installed too tightly, which can reduce the effective magnetic force.
  **Solution:** Loosen the armature plate screws slightly to allow for proper alignment and full magnetic contact. Ensure the lock and plate surfaces are clean.
- **Issue: Fingerprint Scanner Not Responding.**
  **Cause:** Dirty sensor, incorrect finger placement, or un-registered fingerprint.
  **Solution:** Clean the sensor with a soft, dry cloth. Ensure your finger covers the entire sensor area. Verify that your fingerprint is properly registered in the system.
- **Issue: RFID Card/Key Fob Not Recognized.**
  **Cause:** Card/fob not registered, or improper scanning technique.
  **Solution:** Ensure the card/fob is registered. Swipe it smoothly and directly over the designated keypad area.
- **Issue: System Not Powering On.**
  **Cause:** Power supply issue, loose connections, or power outlet problem.
  **Solution:** Check if the power supply unit's indicator light is on. Verify all power connections are secure. Test the electrical outlet with another device.

## 9. Specifications

| Feature | Detail |
| --- | --- |
| Brand | MENGQI-CONTROL |
| Model Number | Two Way F8-MagLock e |
| Color | Black |
| Power Source | DC |
| Connectivity Technology | Wired |
| Installation Type | Screw-In |
| Voltage | 240 Volts |
| Control Method | Touch |
| User Capacity | 1,000 |
| Log Capacity | 100,000 |
| Communication | TCP/IP, USB download |
| Magnetic Lock Force | 600LBS / 280kg |

| | |
|---|---|
| Item Weight | 7.83 pounds |
| Package Dimensions | 11.5 x 10.4 x 5.6 inches |

## 10. Warranty and Support

MENGQI-CONTROL is committed to providing excellent customer support. The manufacturer, SecureControl, offers technical support for the product. If you encounter any issues or have questions regarding installation, operation, or programming, please refer to the contact information provided on the included CD or reach out to the seller, SecureLife4you Security Control, for assistance. They provide video guides and detailed wire diagrams to facilitate setup.

The seller states: "Our Technical Support is for ever, freely contact us, any question is good question. Provide various support methods, just let us know you need help."

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**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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