MENGQI-CONTROL NewF8-MagLock

MENGQI-CONTROL Biometric Fingerprint RFID Password Access Control System User Manual

Comprehensive guide for installation, operation, and maintenance of your access control system.

1. Introduction

Thank you for choosing the MENGQI-CONTROL Full Kits Biometric Fingerprint RFID Password Access Control System. This comprehensive system provides secure entry management using fingerprint, RFID card, or password authentication. Designed for indoor environments, it is suitable for apartments, multi-family houses, offices, factories, hotels, and schools.
This manual will guide you through the installation, setup, and daily operation of your new access control system, ensuring optimal performance and security.

Package Contents

Please verify that all components listed below are included in your package:

- 1 x Fingerprint + RFID + Pin Code Access Control + Time Attendance Device
- 1 x Electric Magnetic Lock (600 LBS Force)
- 1 x Power Supply (110-240V input, 3A output, to power the whole system)
- 1 x Push to Exit Button
- 10 x RFID Key Fobs
- 10 x RFID Cards
- 1 x CD for Software/User Manual/Wire Diagram/Video Guide



Figure 1.1: Overview of the complete MENGQI-CONTROL Access Control System Kit, showing the fingerprint device, magnetic lock, power supply, exit button, RFID cards, and key fobs.

2. Safety Information

To ensure safe operation and prevent damage to the system or injury, please observe the following safety precautions:

- **Indoor Use Only:** This system is designed exclusively for indoor environments. Do not install or operate it outdoors or in areas exposed to moisture, extreme temperatures, or direct sunlight.
- **Power Supply:** Ensure the power supply voltage matches the system requirements (110-240V). Incorrect voltage can cause damage.
- **Professional Installation Recommended:** For optimal safety and performance, it is highly recommended that installation and wiring be performed by a qualified technician.
- **Disconnect Power:** Always disconnect power to the system before performing any installation, wiring, or maintenance.
- **Avoid Liquids:** Keep the access control device and power supply away from water and other liquids.
- **Handle with Care:** Avoid dropping or subjecting the components to strong impacts.

3. Setup and Installation

Proper installation is crucial for the reliable operation of your access control system. Refer to the detailed wiring diagrams and video guides provided on the included CD for comprehensive instructions.

3.1 Component Identification



Figure 3.1: The main access control device featuring a fingerprint scanner, keypad, and display for user interaction and time attendance.

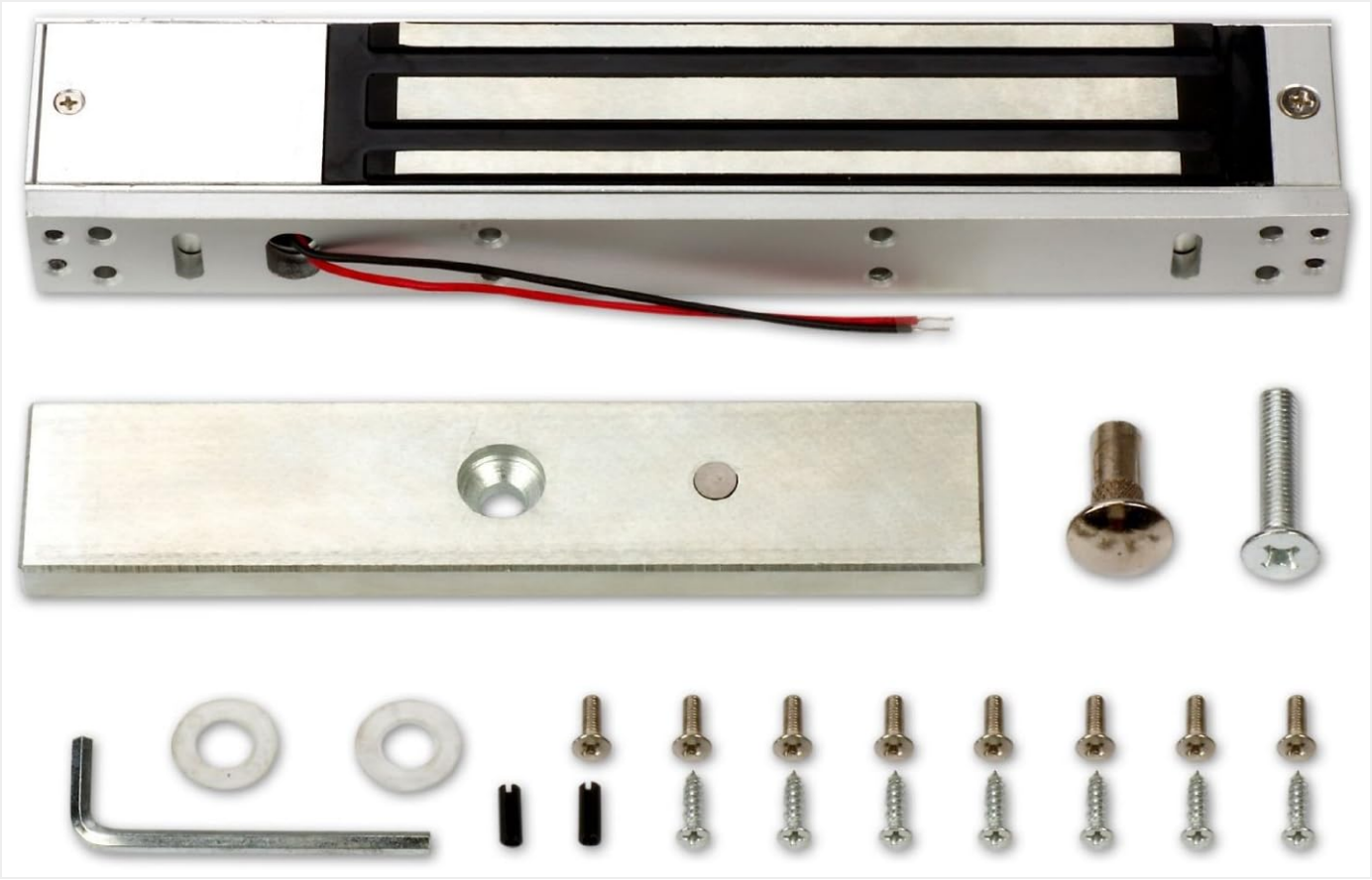

Figure 3.2: The 600lbs force electric magnetic lock, consisting of the electromagnet and armature plate, along with various screws and mounting accessories.



Figure 3.3: The power supply control unit (Model K80) which converts AC power to DC 12V 3A to power the entire access control system.



Figure 3.4: The push-to-exit button, used for convenient egress from the secured area.

3.2 Wiring and Mounting

The system requires careful wiring of the access control device, magnetic lock, power supply, and exit button. Detailed wiring diagrams and installation videos are provided on the included CD. It is highly recommended to consult these resources before beginning installation.

Key Installation Points:

- **Magnetic Lock Mounting:** The 600LBS magnetic lock can be installed on various door types. Ensure the electromagnet is securely mounted to the door frame and the armature plate to the door, aligning them perfectly for proper engagement. Different brackets (L-bracket, Z-bracket) may be required depending on door swing and frame type.
- **Power Supply Connection:** Connect the 110-240V AC input to the power supply. The DC 12V 3A output will power the access control device and the magnetic lock.
- **Access Control Device Placement:** Mount the fingerprint device at a convenient height for all users, typically near the door.
- **Exit Button Wiring:** Connect the exit button to the appropriate terminals on the power supply or access control device to release the lock when pressed.



Figure 3.5: Example of a magnetic lock installation showing the main lock unit and a mounting bracket, illustrating how it attaches to a door frame.

4. Operation

The MENGQI-CONTROL system offers multiple methods for access and user management.

4.1 User Management

The system supports up to 3,000 users. User enrollment and deletion are typically performed via the device's keypad and display interface. Refer to the detailed instructions on the included CD for specific menu navigation.

- **Adding Fingerprints:** Follow the on-screen prompts to register new fingerprints. Ensure the finger is clean and placed firmly on the scanner.
- **Adding RFID Cards/Fobs:** Present the RFID card or key fob to the device's reader when prompted during enrollment.
- **Adding Passwords:** Enter and confirm a unique password for each user via the keypad.
- **Deleting Users:** Users can be deleted individually or in groups through the system's administrative menu.

4.2 Access Modes

Once users are enrolled, they can gain access using their registered credentials:

- **Fingerprint Access:** Place a registered finger on the scanner. The lock will disengage upon successful verification.
- **RFID Access:** Present a registered RFID card or key fob to the device. The lock will disengage upon successful verification.

- **Password Access:** Enter the registered password on the keypad, followed by the 'OK' or '#' key. The lock will disengage upon successful verification.

4.3 Time Attendance

The device also functions as a time attendance system. Entry and exit records are stored internally. These records can be downloaded via an RJ45 cable connection to a computer. Refer to the software manual on the included CD for instructions on using the time attendance software.

5. Maintenance

Regular maintenance helps ensure the longevity and reliable performance of your access control system.

- **Cleaning:**
  - Wipe the fingerprint scanner and keypad with a soft, dry, lint-free cloth.
  - Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the components.
- **Magnetic Lock Inspection:**
  - Periodically check the magnetic lock and armature plate for any debris or obstructions that might prevent full contact.
  - Ensure all mounting screws are tight and secure.
- **Software Updates:** Check the manufacturer's website or included CD for any available firmware or software updates for the access control device.
- **Backup Data:** Regularly back up time attendance records and user data to prevent loss.

6. Troubleshooting

This section addresses common issues you might encounter with your access control system.

Problem	Possible Cause	Solution
System not powering on.	No power to the power supply; faulty wiring; power supply failure.	Check power outlet and connections. Verify wiring according to the diagram. Test power supply output.
Fingerprint/RFID/Password not recognized.	User not enrolled; incorrect credential; dirty sensor/reader.	Ensure the user is properly enrolled. Re-enroll if necessary. Clean the fingerprint sensor or RFID reader. Ensure correct password entry.
Magnetic lock not engaging/disengaging.	Misalignment of lock and armature plate; insufficient power; faulty wiring; lock failure.	Check alignment and adjust if needed. Verify power supply output. Inspect wiring for loose connections or damage. Contact support if lock is faulty.
Exit button not working.	Incorrect wiring; faulty button.	Check wiring connections to the exit button. Test the button for continuity.
Time attendance records not downloading.	Incorrect RJ45 connection; software issue; device settings.	Ensure RJ45 cable is securely connected. Refer to the software manual for correct download procedures and device settings.

7. Technical Specifications

Below are the key technical specifications for the MENGQI-CONTROL Access Control System:

Feature	Specification

Feature	Specification
Brand	MENGQI-CONTROL
Model Number	NewF8-MagLock
Access Methods	Fingerprint, RFID Card, Password
User Capacity	3,000 Users
Magnetic Lock Force	600 LBS
Power Supply Input	AC 110-240V, 50-60Hz
Power Supply Output	DC 12V, 3A
Connectivity Technology	Wired (RJ45 for data download)
Installation Type	Screw-In
Recommended Use	Home Security, Office, Factory, School, Apartment Entrances
Item Weight	6.45 pounds
Item Dimensions (L x W x H)	7.09 x 1.18 inches (for main device)

8. Support and Contact

For any questions, technical assistance, or support regarding your MENGQI-CONTROL Access Control System, please utilize the following resources:

- **Included CD:** Contains detailed video guides, wiring diagrams, and software manuals to assist with setup and operation.
- **Online Support:** MENGQI-CONTROL provides online support for customer inquiries. Please refer to the contact information provided with your purchase or on the manufacturer's official website.
- **Professional Assistance:** If you encounter complex issues or require professional installation, consider consulting a certified security system technician.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question