MENGQI-CONTROL 2D Metal keypad track in&out

MENGQI-CONTROL 2-Door RFID Access Control System

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your MENGQI-CONTROL 2-Door RFID Access Control System. This advanced security system is designed to manage access for two doors, allowing entry and exit via RFID cards, key fobs, or PIN codes. It features comprehensive tracking capabilities and can be managed via dedicated Windows software and a smartphone application.

2. Safety Information

Please read all safety warnings and instructions carefully before installation and operation. Failure to do so may result in injury, damage to the product, or voiding of the warranty.

- Ensure all power is disconnected before performing any wiring or installation procedures.
- Installation should be performed by qualified personnel if you are unfamiliar with electrical wiring.
- Do not expose the system components to extreme temperatures, humidity, or direct sunlight unless specified as waterproof.
- Use only the power supply and components provided or recommended by MENGQI-CONTROL.

3. Package Contents

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



Complete 2-Door Access Control Kit

- 1 x Power Supply Box (110-240V input, 5A output)
- 1 x 2-Door Wiegand Access Control Panel
- 2 x Electric Magnetic Locks (600lbs / 280kg holding force)
- 4 x Metal RFID Keypad Readers (IP68 waterproof)
- 1 x RFID Enroll USB Reader
- 50 x RFID Cards
- 50 x RFID Keychains
- 1 x User Manual (this document) with Detail Instruction/Wire diagram/Video Guide

4. Product Overview

The MENGQI-CONTROL system provides robust access management for two doors. Key components include the control panel, keypad readers, magnetic locks, and power supply.



Access Control Board: The central processing unit for managing door access.



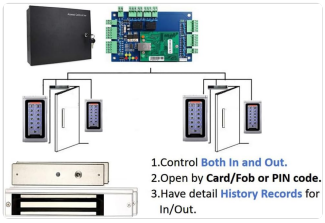
Power Supply Box: Provides stable power to all system components and houses the control board.



Magnetic Lock: 600lbs holding force for secure door locking.



Metal RFID Keypad Reader: IP68 waterproof for outdoor use, supports card/fob/PIN access.



RFID Keychains: For convenient access.

RFID Cards: For secure access.

System Features:

- **2-Door Control:** Manages access for two separate doors.
- **Multiple Access Methods:** Supports RFID card, key fob, PIN code, or a combination of card + PIN for double verification.
- **Entry/Exit Tracking:** Four RFID metal keypad readers allow tracking of both entry and exit movements.
- **Record Management:** Store, download, check entry records, and generate reports using professional management software.
- **User Capacity:** Supports up to 20,000 users and 100,000 event logs.
- **Time-Based Access:** Configure auto open/close schedules and authorized access times for different users.
- **Remote Access:** Smartphone app (iOS & Android) for remote door opening.
- **Software Management:** Windows-based software for user management (add, delete, activate, deactivate users), setting expiry dates for access privileges, and processing lost cards/fobs.
- **Network Communication:** TCP/IP for reliable data transfer.

Video: Overview of System Features. This video demonstrates the various functionalities of the access control system, including user management and time-based access.

5. Setup

The system requires professional hard-wired installation. A detailed wire diagram and video guide are provided to assist with the setup process. The management software is Windows-based and does not support Mac operating systems. Ensure you have a Windows computer or laptop for programming.

5.1 Wiring Diagram

Refer to the included wire diagram for proper connection of the control panel, keypad readers, magnetic locks, and power supply. Incorrect wiring can damage the system.



Diagram: Illustrates the connections between the access control panel, readers, locks, and power supply for a 2-door setup.

5.2 Software Installation

1. Install the provided management software on a Windows computer.
2. Connect the RFID Enroll USB Reader to your computer.
3. Follow the on-screen instructions to configure the system, add controllers, and register users.

6. Operating Instructions

6.1 Accessing Doors

- **Using RFID Card/Key Fob:** Present your registered RFID card or key fob to the keypad reader. The door will unlock if access is granted.
- **Using PIN Code:** Enter your registered PIN code on the keypad reader. The door will unlock if access is granted.
- **Using Card + PIN:** Present your registered RFID card/key fob, then enter your PIN code. This provides an additional layer of security.
- **Remote Access (Smartphone App):** Use the dedicated smartphone application to remotely open the lock.

6.2 Tracking Entry and Exit Records

The system is designed to track both entry and exit movements through the doors. All events are logged and can be reviewed using the management software.

Video: Demonstration of 2-Door Access Control Tracking. This video illustrates how the system tracks and records entry and exit events for both doors.

To view or export records:

1. Open the management software.
2. Navigate to the 'Operation' or 'Query Swipe Records' section.
3. Select the desired time frame and doors.
4. Download or export the records as needed.

7. Maintenance

- Regularly check all wiring connections for security and integrity.
- Keep keypad readers clean. For waterproof models, ensure no debris obstructs the buttons.
- Periodically back up your access control software data.
- Ensure the power supply box is well-ventilated and free from obstructions.

8. Troubleshooting

If you encounter issues, refer to the following common problems and solutions:

- **Door not unlocking:** Check power supply, wiring to the magnetic lock, and ensure the RFID card/PIN is correctly registered and active.
- **Keypad not responding:** Verify power to the keypad. If waterproof, ensure no water ingress has occurred.
- **Software connection issues:** Ensure the control panel is properly connected to the network (TCP/IP) and your computer's network settings are correct.
- **Lost card/fob:** Use the management software to deactivate the lost item and issue a new one.

For further assistance, contact MENGQI-CONTROL customer support.

9. Specifications

Feature	Specification
Brand	MENGQI-CONTROL
Model Number	2D Metal keypad track in&out
Power Source	Corded Electric (110-240V AC input)
Connectivity Technology	Wired (TCP/IP)
Compatible Devices	Smartphone (iOS & Android), Personal Computer (Windows)
Installation Type	Professional Hard-wired
Alert Type	Motion & Entry
Item Dimensions (L x W x H)	11.81 x 9.85 x 7.87 inches
Item Weight	18.1 pounds
Card Type	EM-ID Card
Response Speed	Less than 0.2 seconds
Magnetic Lock Holding Force	600 lbs
User Capacity	Up to 20,000 users
Log Capacity	Up to 100,000 logs
Software Database Support	Access & SQL Server
Software OS Support	Win7/Win8/Win10/Win11 (32 & 64 bit)

10. Warranty and Support

MENGQI-CONTROL is committed to providing quality products and service. For any technical assistance or support, please contact SecureLife4you Security Control, the seller. They offer responsive customer service and can provide detailed video guides and wiring diagrams to assist with setup and operation.

For contact information, please refer to your purchase documentation or the seller's information on the platform where the

product was acquired.

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.

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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