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MENGQI-CONTROL 4 Door RFID PIN Pad Reader

MENGQI-CONTROL 4-Door RFID Access Control System User Manual

Model: 4 Door RFID PIN Pad Reader

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and management of the MENGQI-CONTROL 4-Door RFID Access Control System. This system is designed to enhance security by controlling access to up to four doors using RFID cards, key fobs, PINs, and a mobile application. It also offers advanced features such as access logging, time-based access restrictions, and remote door control.

2. PACKAGE CONTENTS

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

- 1 x Power Supply Box (110-240V input, 5A output, with cabinet)
- 1 x 4 Doors Wiegand Access Control Panel
- 4 x RFID Keypad/PIN Pad Readers (for card swipe, key fob, PIN, or card+PIN entry)
- 4 x Infrared Exit Buttons
- 1 x Enroll RFID USB Reader
- 50 x RFID Cards
- 50 x RFID Key Fobs
- 1 x User manual with Detail Instruction/Wire diagram/Video Guide (digital access)



Figure 2.1: Overview of all included system components.

3. SYSTEM FEATURES

The MENGQI-CONTROL 4-Door RFID Access Control System offers a range of features for comprehensive security management:

- **Multi-Door Control:** Manages access for up to four individual doors.
- **Multiple Entry Methods:** Supports RFID card, key fob, PIN, or combined card+PIN for entry.
- **Exit Control:** Utilizes infrared exit buttons for convenient egress.
- **Access Logging:** Stores up to 100,000 entry records, allowing for detailed history checks, downloads, and report generation via professional management software.
- **User Capacity:** Supports up to 20,000 users.
- **Time-Based Access:** Allows for setting specific access schedules, enabling certain users or groups to enter particular doors only during defined times (e.g., business hours).

- **Automatic Door Control:** Configurable auto open/close functions at pre-set times.
- **Temporary Open/Close:** Ability to keep a door open by swiping a card multiple times, or close it similarly.
- **User Management:** Easily add, delete, activate, or deactivate users through the Windows management software.
- **Time-Limited Access:** Set expiration dates/times for user access privileges.
- **Lost Card/Fob Processing:** Simple procedures for managing lost access credentials.
- **Remote Access:** Supports a smartphone application (iOS & Android) for remote door unlocking.
- **Programming:** Desktop USB reader facilitates easy programming and user registration by reading card numbers into the software.
- **Network Communication:** TCP/IP based for robust system connectivity.
- **Software Compatibility:** Management software supports Windows 7/8/10/11 (32 & 64 bit) and utilizes Access & SQL Server databases. *Note: Software is Windows-based and does not support Mac operating systems.*

System Overview Video

Your browser does not support the video tag.

Video 3.1: An overview of the access control system's features and capabilities.

4. SETUP AND INSTALLATION

Proper installation is crucial for the system's functionality and security. Refer to the detailed wiring diagram and video guide provided with your purchase for specific instructions. The following provides a general overview:

4.1. Power Supply Box Installation

The power supply box houses the power unit and serves as a cabinet for the control board. Mount it securely in a suitable location.

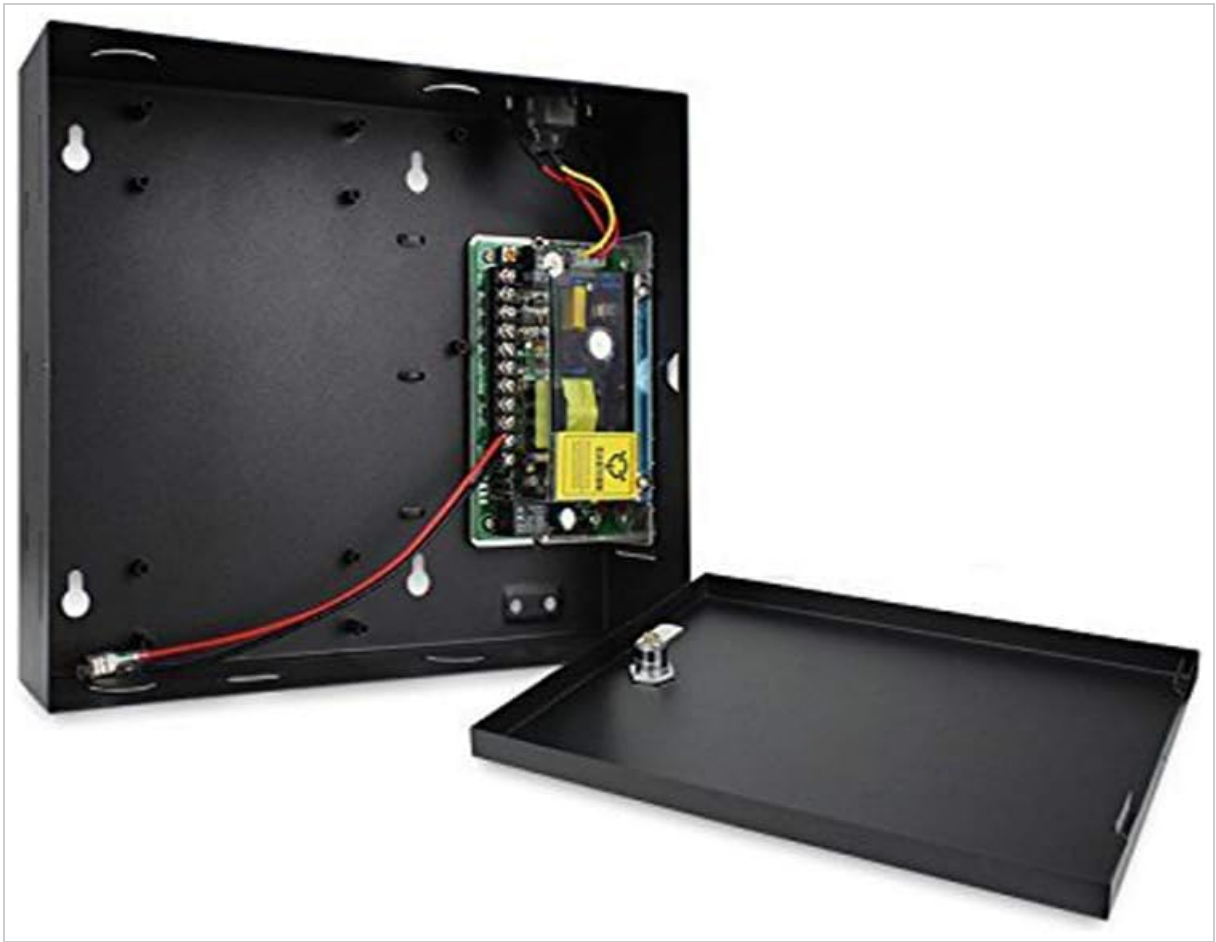


Figure 4.1: The power supply box with internal components.

4.2. Access Control Panel Mounting

Install the 4-door Wiegand access control panel within the power supply box or a secure enclosure. Ensure proper ventilation.

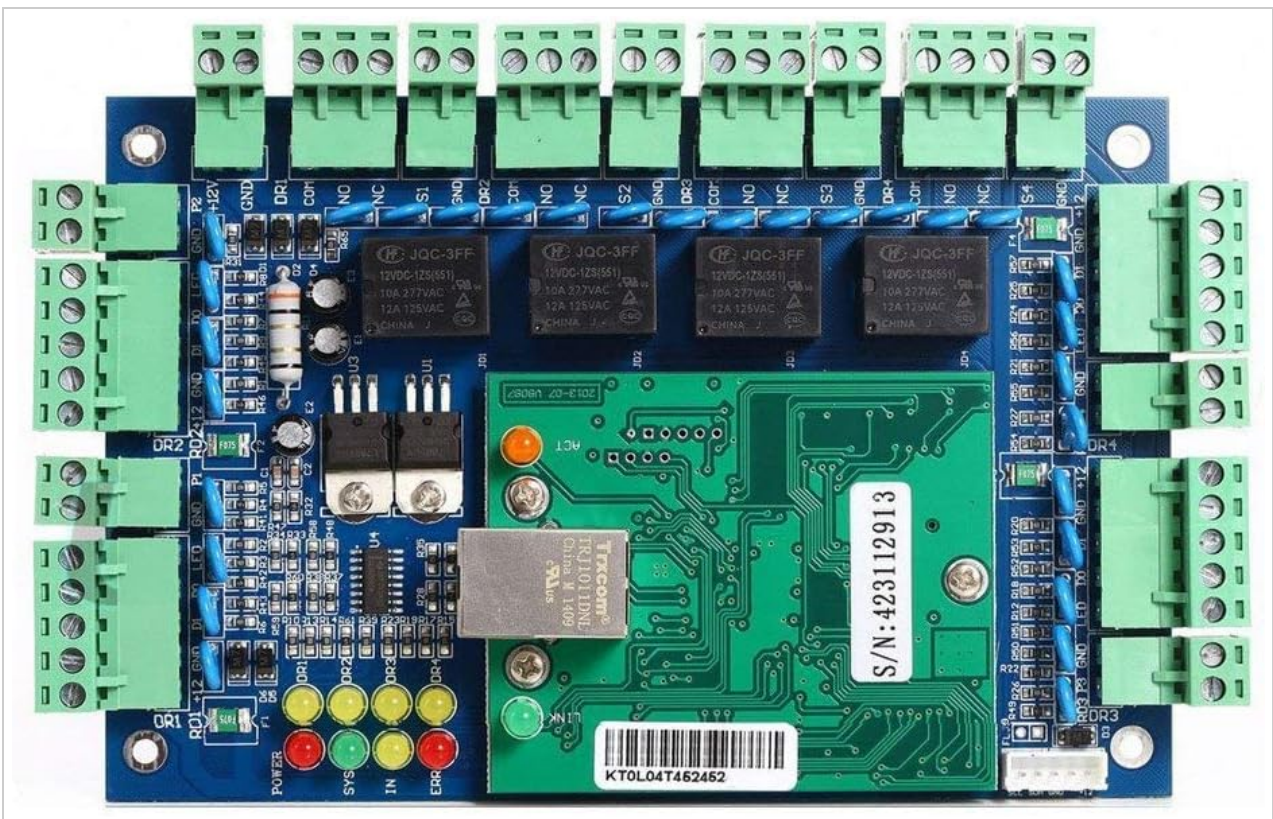


Figure 4.2: The 4-door access control panel.

4.3. Reader and Exit Button Placement

Mount the RFID Keypad/PIN Pad Readers and Infrared Exit Buttons at each door. The exit buttons are designed for standard US electrical boxes.



Figure 4.3: An RFID Keypad/PIN Pad Reader.



Figure 4.4: An Infrared Exit Button.

4.4. Wiring

Connect all components (power supply, control panel, readers, exit buttons, and electric locks) according to the provided wiring diagram. Ensure all connections are secure and correctly polarized.

4.5. Software Installation

Install the management software on a Windows-based computer. This software is essential for system configuration and user management. **Note: Mac operating systems are not supported.**



Figure 4.5: The USB Enroll RFID Reader for software integration.

5. OPERATING INSTRUCTIONS

5.1. Accessing Doors

- **RFID Card/Key Fob:** Present your registered RFID card or key fob to the reader. The door will unlock if access is authorized.
- **PIN Entry:** Enter your registered PIN on the keypad. The door will unlock if access is authorized.
- **Card + PIN:** Present your RFID card/key fob, then enter your PIN on the keypad. This method provides an additional layer of security.



Figure 5.1: RFID Cards for access.



Figure 5.2: An RFID Key Fob for access.

5.2. Exiting Doors

Press the infrared exit button located near the door to unlock it for egress.

5.3. Mobile App Operation

Download and install the MENGQI-CONTROL mobile application on your iOS or Android smartphone. Follow the app's instructions to connect to your access control system and remotely open doors.

6. SOFTWARE MANAGEMENT

The Windows-based management software is the central tool for configuring and managing your access control system. It allows you to:

- Add, modify, and delete user accounts.
- Assign access levels and time schedules for each user or group.
- Set expiration dates for access credentials.
- Monitor real-time entry and exit events.
- Generate detailed reports on access history.
- Manage lost or stolen RFID cards/key fobs by deactivating them.
- Configure automatic door open/close schedules.

Refer to the software's dedicated user guide for detailed instructions on each function.

7. MAINTENANCE

To ensure the longevity and optimal performance of your access control system, consider the following maintenance guidelines:

- Regularly clean the surfaces of readers and exit buttons with a soft, dry cloth. Avoid abrasive cleaners.
- Periodically check all wiring connections for tightness and signs of wear.
- Ensure the power supply box is free from dust and debris to prevent overheating.
- Keep the management software updated to the latest version.
- Back up your system's database regularly to prevent data loss.

8. TROUBLESHOOTING

If you encounter issues with your MENGQI-CONTROL Access Control System, review the following common problems and solutions:

- **Door not unlocking:**
 - Check if the RFID card/key fob or PIN is registered and active in the software.
 - Verify that the user's access schedule permits entry at the current time.
 - Inspect wiring connections to the reader and lock for any disconnections.
 - Ensure the power supply is active and providing sufficient power.
- **Reader not responding:**
 - Check the power connection to the reader.
 - Ensure the reader's data lines are correctly connected to the control panel.
- **Software connectivity issues:**
 - Verify network (TCP/IP) connection between the computer and the control panel.
 - Check firewall settings on the computer.
- **Mobile app not connecting:**
 - Ensure your smartphone has an active internet connection.
 - Verify the system's network configuration allows for remote access.

For persistent issues or advanced troubleshooting, contact customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	MENGQI-CONTROL
Model	4 Door RFID PIN Pad Reader
Item Model Number	cccc36ae-640c-47f7-a979-598cb889a8b6
Power Source	Corded Electric (110-240V input)

Connectivity Technology	USB, Infrared, TCP/IP
Compatible Devices	Smartphone (iOS & Android)
Control Method	App, RFID Card, PIN
Installation Type	Screw-In
Alert Type	Motion (via IR sensor)
Item Weight	8.42 pounds
Package Dimensions	11.65 x 10 x 7.91 inches

10. WARRANTY AND SUPPORT

MENGQI-CONTROL is committed to providing quality products and service. For technical assistance, detailed wiring diagrams, or video guides, please refer to the resources provided with your purchase or contact the seller, SecureLife4you Security Control. They offer responsive support to assist with installation and advanced features.