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## YUANWIN YW-TF1LCD-P9-1200lb

# YUANWIN Door Access Control System Kit

User Instruction Manual

## 1. PRODUCT OVERVIEW

The YUANWIN Door Access Control System Kit provides a comprehensive security solution for various environments, including offices, homes, and commercial buildings. This system offers multiple access methods, including RFID card, fingerprint recognition, and password entry, ensuring flexible and secure access management. It features a durable magnetic lock and a user-friendly controller with an LCD screen for easy operation.

## 2. PACKAGE CONTENTS

Please verify that all the following components are included in your package:

- Access Control Keypad with LCD Screen
- 1200LB Magnetic Lock
- Power Supply Controller
- Infrared Wireless Exit Switch
- Power Cable
- RFID Cards (multiple)
- Mounting Hardware (screws, anchors, L-bracket, Z-bracket if applicable)



Figure 2.1: Complete YUANWIN Door Access Control System Kit components.

### 3. SPECIFICATIONS

Feature	Description
Brand	YUANWIN
Model Number	YW-TF1LCD-P9-1200lb
Lock Type	1200LB Magnetic Lock
Access Methods	Fingerprint, RFID Card, Password
Controller Display	LCD Screen
Exit Mechanism	Infrared Wireless Switch
Power Input	AC110V-240V (1A) 50Hz
Power Output	DC12V (4A)
Item Dimensions (L x W x H)	11 x 9 x 4 inches
Item Weight	11 Pounds

## 4. SETUP AND INSTALLATION

Careful installation is crucial for optimal performance and security. It is recommended to consult a professional electrician if you are unfamiliar with electrical wiring.

### 4.1 Component Identification



Figure 4.1.1: Access Control Keypad



Figure 4.1.2: 1200LB Magnetic Lock with dimensions



Figure 4.1.3: Power Supply Controller



Figure 4.1.4: Infrared Wireless Exit Switch

## 4.2 Installation Steps

### 1. Mount the Magnetic Lock:

- a. Determine the optimal mounting location for the magnetic lock on the door frame and the armature plate on the door. Ensure proper alignment for secure locking.
- b. Use the provided mounting hardware to securely attach the magnetic lock to the door frame.
- c. Attach the armature plate to the door, ensuring it aligns perfectly with the magnetic lock when the door is closed.



d.

Figure 4.2.1: Magnetic Lock Installation Example

### 2. Mount the Access Control Keypad:

- a. Choose a convenient location on the exterior side of the door or wall for the keypad.
- b. Securely mount the keypad using the provided screws.

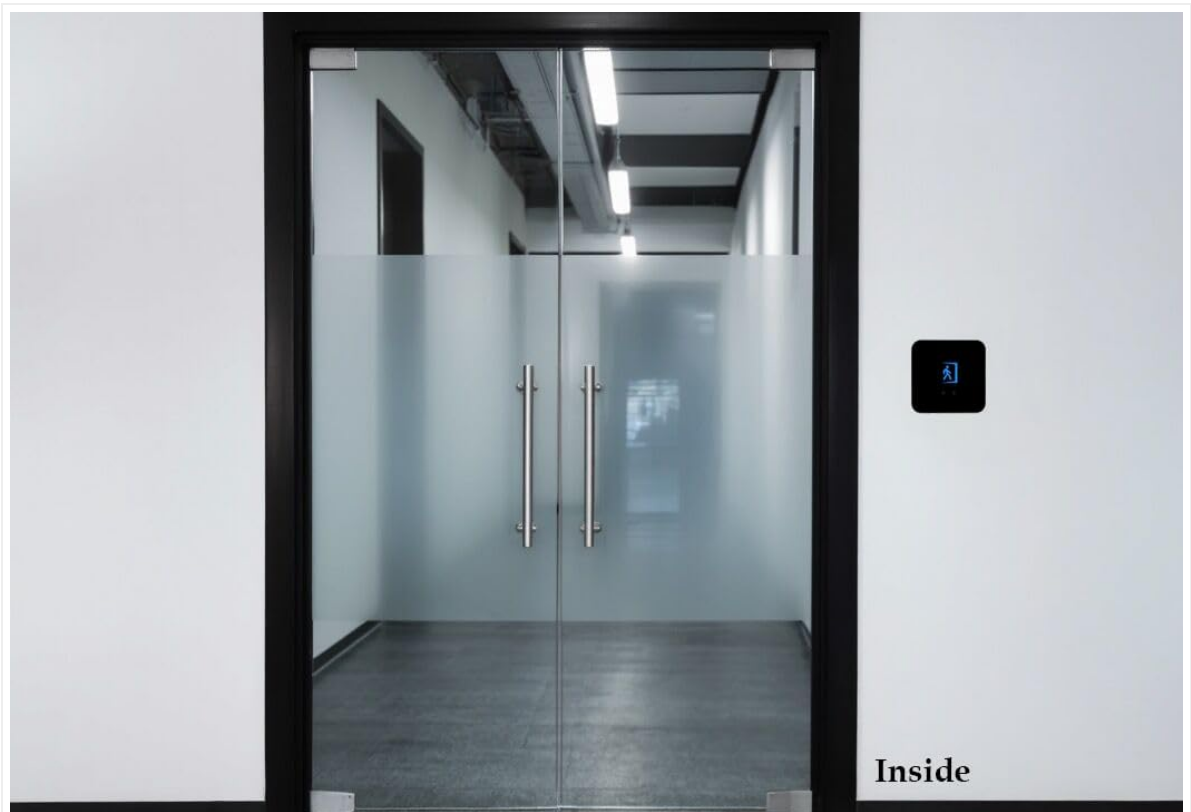


c.

Figure 4.2.2: Keypad Mounted on Wall

### 3. Mount the Infrared Wireless Exit Switch:

- a. Install the exit switch on the interior side of the door or wall, within easy reach.
- b. Ensure it is mounted securely.



c.

Figure 4.2.3: Exit Switch Mounted on Wall

### 4. Connect the Power Supply Controller:

- a. Mount the power supply controller in a secure and accessible location, preferably near a power outlet.
- b. Connect the power cable to the power supply controller.

### 5. Wiring Diagram:

Follow the wiring diagram carefully to connect all components. Incorrect wiring can damage the system or pose a safety hazard.

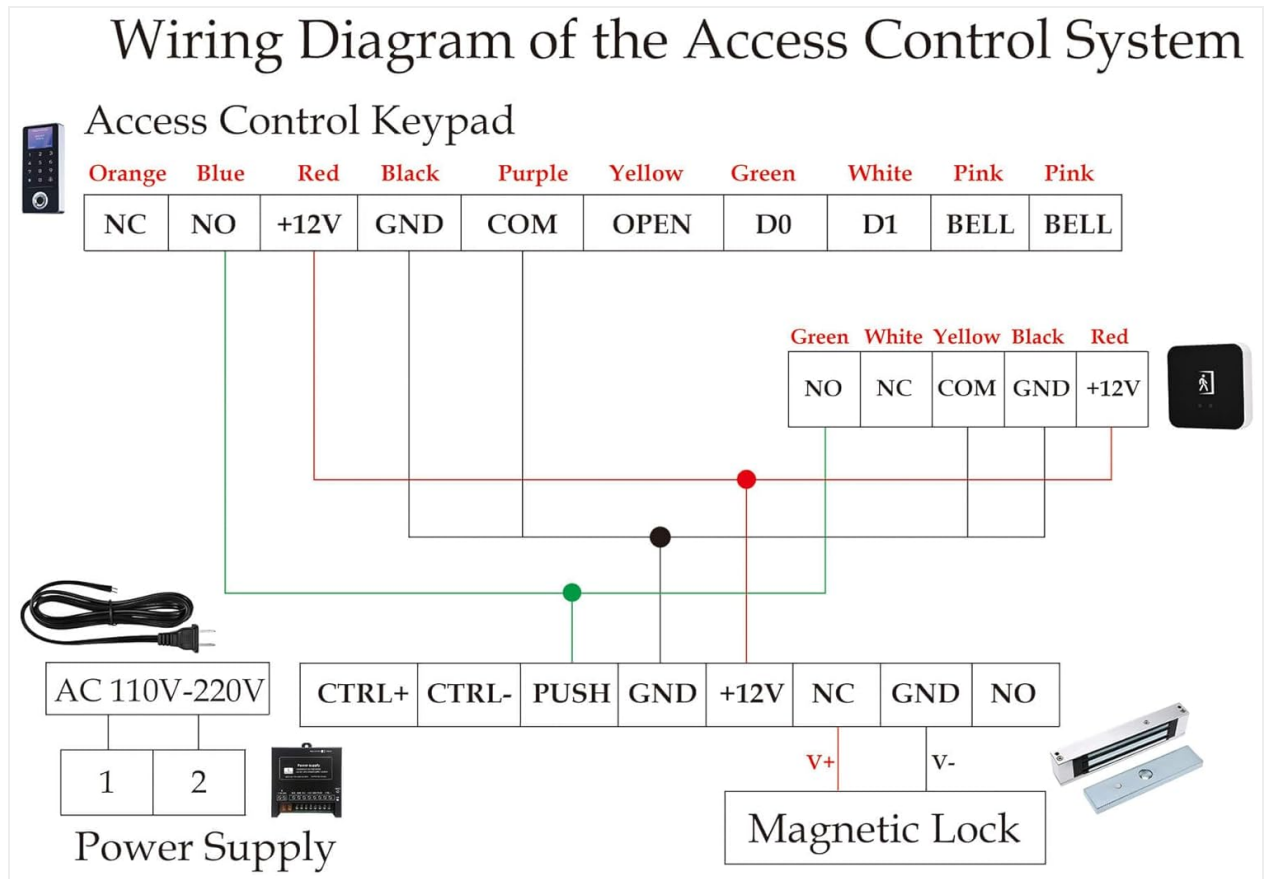


Figure 4.2.4: Wiring Diagram of the Access Control System

This diagram illustrates the connections between the Access Control Keypad, Power Supply, Magnetic Lock, and the Infrared Wireless Exit Switch. Ensure all wires are connected to their corresponding terminals as indicated by color and function (e.g., NC, NO, +12V, GND, COM, OPEN, D0, D1, BELL, PUSH, CTRL+).



Figure 4.2.5: System Component Placement (Outside vs. Inside)

6. **Power On:** Once all connections are secure, plug in the power supply. The system should power on and the

keypad display will activate.

## 5. OPERATING INSTRUCTIONS

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This section details the basic operation of your YUANWIN Door Access Control System, including user management and unlocking methods.

### 5.1 Initial Setup and Admin Code

Upon first power-up, the system will be in a default state. The default admin code is **999999**. It is highly recommended to change this code immediately after initial setup for security purposes.

To enter programming mode, press \* then enter the admin code (default 999999) followed by #.

### 5.2 User Management

The system supports adding and deleting users via RFID cards, PINs, and fingerprints.

#### 1. Adding an RFID Card:

- a. Enter programming mode.
- b. Press **1** to enter the "Add Card" menu.
- c. Present the RFID card to the keypad's card reader. The system will confirm successful registration.
- d. To exit, press \*.

#### 2. Adding a PIN:

- a. Enter programming mode.
- b. Press **2** to enter the "Add PIN" menu.
- c. Enter the desired 4-6 digit PIN, then press#. Re-enter the PIN and press# again to confirm. The system will confirm successful registration.
- d. To exit, press \*.

#### 3. Adding a Fingerprint:

- a. Enter programming mode.
- b. Press **3** to enter the "Add Fingerprint" menu.
- c. Place a finger on the fingerprint scanner. Lift and repeat the process 3 times as prompted by the system for accurate registration. The system will confirm successful registration.
- d. To exit, press \*.

#### 4. Deleting Users:

- a. Enter programming mode.
- b. To delete a specific user (card, PIN, or fingerprint), refer to the keypad's on-screen menu for the "Delete User" option (usually option **4** or **5**). Follow the prompts to enter the user ID or present the credential to be deleted.
- c. To delete all users, refer to the keypad's on-screen menu for the "Delete All Users" option.
- d. To exit, press \*.

### 5.3 Unlocking Methods

Once users are registered, they can unlock the door using their assigned credentials:

- **Unlock by RFID Card:** Present the registered RFID card to the keypad's card reader. The lock will disengage.

- **Unlock by PIN:** Enter the registered PIN on the keypad, then press#. The lock will disengage.
- **Unlock by Fingerprint:** Place a registered finger on the fingerprint scanner. The lock will disengage.
- **Unlock by Infrared Wireless Switch:** Wave your hand in front of the infrared exit switch on the inside of the door. The lock will disengage.

## 5.4 Operational Demonstration Video

Watch this video for a visual guide on adding users and unlocking the system using various methods:

Your browser does not support the video tag.

Video 5.4.1: Demonstration of adding RFID cards, PINs, and fingerprints, and unlocking the system using these methods, including the infrared exit switch.

## 6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the keypad and magnetic lock. Avoid abrasive cleaners or solvents.
- **Fingerprint Sensor:** Keep the fingerprint sensor clean and free of dust or debris for accurate readings.
- **Wiring:** Periodically check all wiring connections to ensure they are secure and free from damage.
- **Magnetic Lock:** Ensure the magnetic lock and armature plate are free of obstructions and properly aligned.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
System does not power on.	No power to the power supply; loose wiring connection.	Check power outlet, power cable, and all wiring connections to the power supply.
Magnetic lock does not engage/disengage.	Incorrect wiring; insufficient power; misalignment of lock and plate.	Verify wiring according to the diagram. Ensure power supply is providing correct voltage. Check alignment and clear any obstructions.
RFID card/Fingerprint/PIN not recognized.	Credential not registered; incorrect entry; dirty sensor.	Ensure the credential is properly registered. Re-enter PIN carefully. Clean fingerprint sensor. Try re-registering the credential.
Infrared exit switch not working.	Obstruction; wiring issue; sensor malfunction.	Ensure nothing is blocking the sensor. Check wiring to the exit switch.

## 8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the product packaging or contact YUANWIN customer service directly. Contact details can typically be found on the manufacturer's website or the product's retail page.

