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› [YUHANUS Door Access Control System 600lb Electric Magnetic Lock Kit \(Model YH-K10-P10-280\) User Manual](#)

## YUHANUS YH-K10-P10-280

# YUHANUS Door Access Control System 600lb Electric Magnetic Lock Kit

Model: YH-K10-P10-280

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## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your YUHANUS Door Access Control System. This system is designed to provide secure and convenient access management for various environments, utilizing a 600lb electric magnetic lock, a waterproof keypad, ID card functionality, and smartphone control via the Tuya app.

Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

## 2. SAFETY INFORMATION

- **Electrical Safety:** Installation involves electrical wiring. Ensure power is disconnected before performing any wiring. If you are not comfortable with electrical work, consult a qualified electrician.
- **Voltage:** The system operates on AC 110V-240V input and provides DC 12V output. Verify correct voltage connections.
- **Waterproof Rating:** The keypad is waterproof (IP68 rated), but ensure all connections are properly sealed and protected from moisture, especially for outdoor installations.
- **Magnetic Lock Strength:** The 600lb magnetic lock provides strong security. Ensure proper alignment and mounting for optimal performance.
- **Emergency Access:** Always have an alternative emergency exit plan in case of power failure or system malfunction.
- **Children and Pets:** Keep small components and tools out of reach of children and pets.

## 3. PACKAGE CONTENTS AND PRODUCT OVERVIEW

The YUHANUS Door Access Control System includes the following main components:

- Access Control Keypad
- 600lb Electric Magnetic Lock
- Power Supply Unit
- Exit Button
- ID Cards/Key Fobs (quantity may vary)
- Mounting Hardware and Cables (not all cables may be included, refer to wiring diagrams)

### **3.1. Access Control Keypad**



The waterproof keypad allows access via PIN code or ID card. It features a numeric keypad, star (\*), hash (#), and bell buttons.

### 3.2. 600lb Electric Magnetic Lock



This magnetic lock provides 600 pounds of holding force for secure door closure. It consists of a magnet unit and an armature plate.

### **3.3. Power Supply Unit**



The power supply converts AC input to DC 12V for the access control system components. It includes terminals for various connections and a delay time adjustment button.

### 3.4. Exit Button



A compact metal button for convenient exit from the secured area.

## 4. SETUP & INSTALLATION

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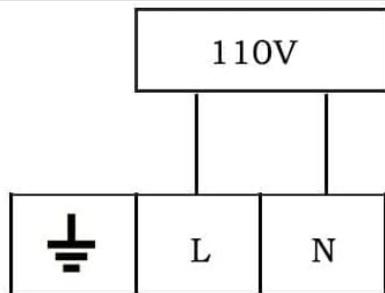
Proper installation is crucial for the system's security and functionality. Follow these steps carefully.

### 4.1. General System Layout

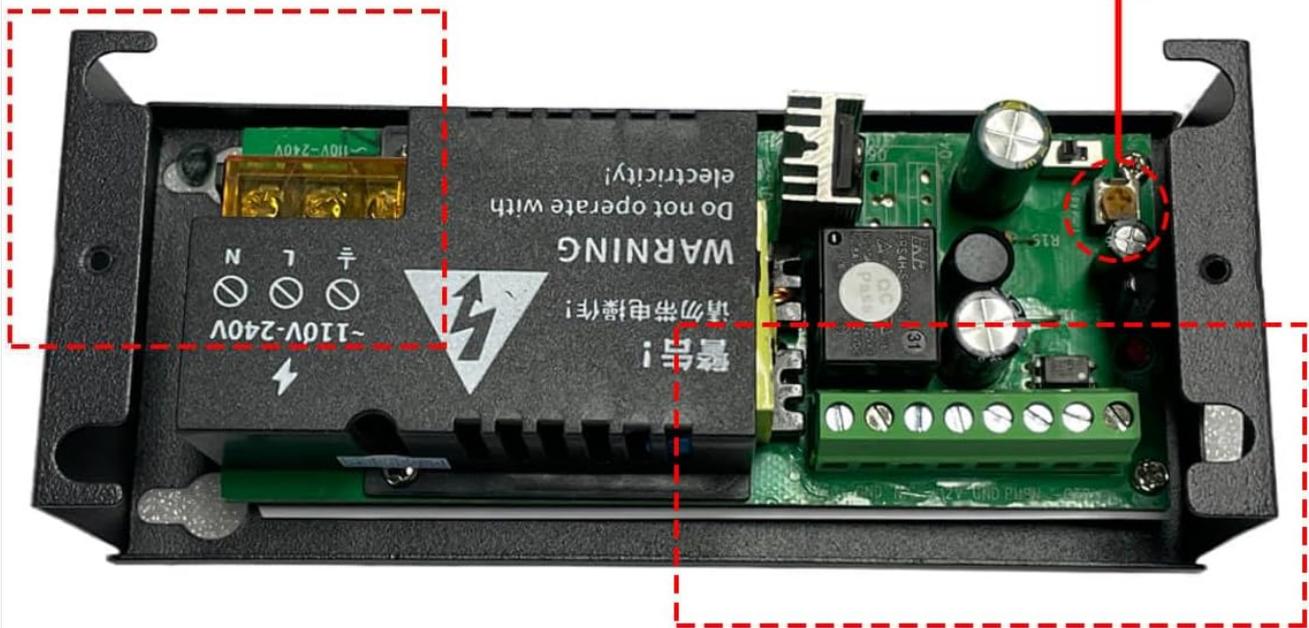


This diagram illustrates the typical placement of components: keypad and Tuya app for outside access, magnetic lock on the door frame, power supply, and exit button for inside access.

### 4.2. Power Supply Wiring Details



Delay Time Adjust Button



CTRL+	CTRL-	PUSH	GND	+12V	NC	GND	NO
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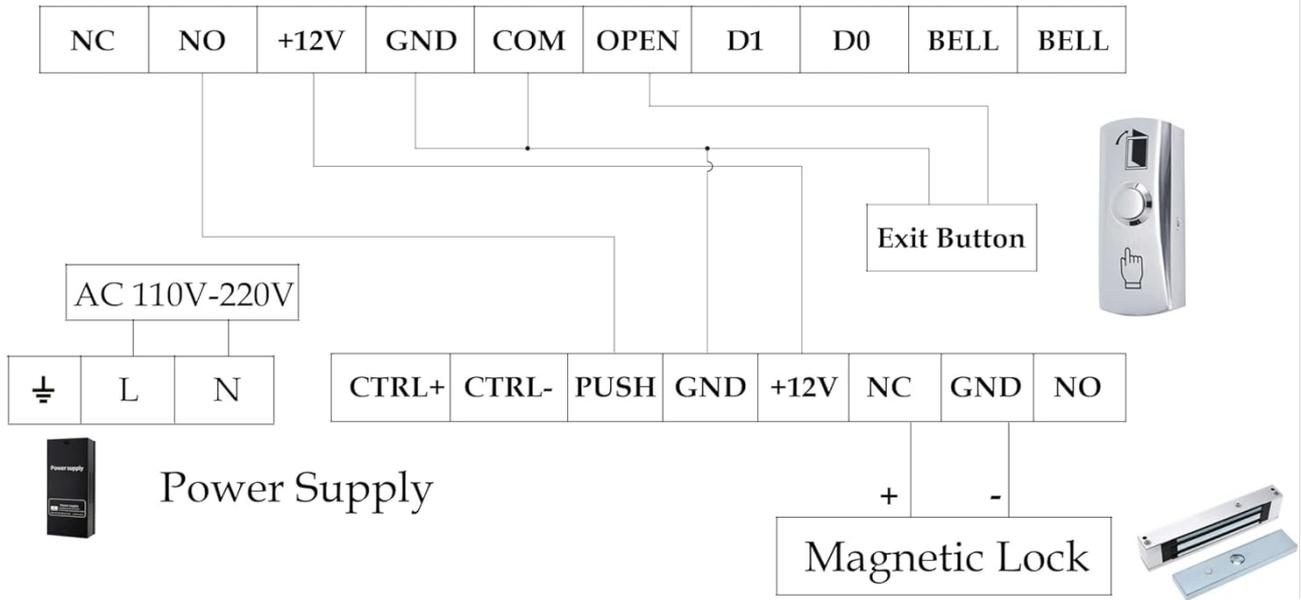
The power supply unit connects to AC 110V-240V (L, N, Ground) and provides DC 12V output. The delay time for the lock can be adjusted using the button indicated.

### 4.3. Wiring Diagram (Basic Setup)

This diagram shows the connections for the access control keypad, exit button, power supply, and magnetic lock.

# Wiring Diagram of the Access Control System

Access Control Keypad 



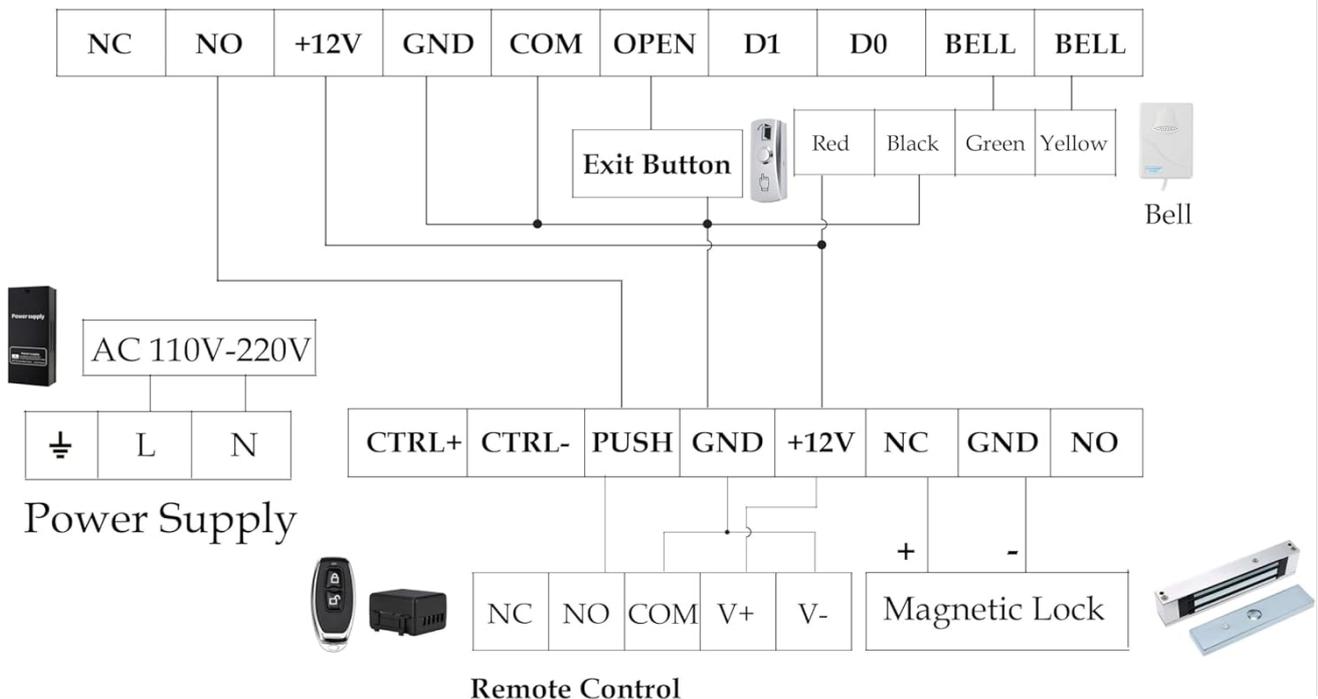
Connect the Access Control Keypad (NC, NO, +12V, GND, COM, OPEN, D1, D0, BELL) to the Power Supply (CTRL+, CTRL-, PUSH, GND, +12V, NC, GND, NO) and the Magnetic Lock (+, -). The Exit Button connects to COM and OPEN on the keypad.

## 4.4. Wiring Diagram (with Remote Control)

If your kit includes a remote control module, use this diagram for connections.

# Wiring Diagram of the Access Control System

Access Control Keypad 



This diagram includes connections for a remote control module, typically connecting to the power supply or directly to the magnetic lock control lines.

## 4.5. Magnetic Lock Installation

Install the magnetic lock on the door frame and the armature plate on the door. Ensure they are perfectly aligned when the door is closed for maximum holding force. Brackets (L-bracket, Z-bracket) may be required depending on your door type and opening direction.



Example of magnetic lock and armature plate installation on a door frame and door.

## 5. OPERATING INSTRUCTIONS

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Once installed, configure and operate your access control system.

### 5.1. Initial Setup and Master Code

1. **Enter Programming Mode:** Typically, press \* followed by the default master code (e.g., 123456). Refer to your keypad's specific instructions for the default code.
2. **Change Master Code:** It is highly recommended to change the default master code immediately for security.

### 5.2. Adding User Codes (PINs)

1. Enter Programming Mode.
2. Select the option to add a user code (e.g., press 1).
3. Enter a unique user ID (e.g., 001).
4. Enter the desired PIN code (4-6 digits) and confirm.
5. Exit Programming Mode (e.g., press #).

### 5.3. Adding User Cards (ID Cards/Fobs)

1. Enter Programming Mode.
2. Select the option to add a user card (e.g., press 2).
3. Present the ID card/fob to the keypad reader. The keypad will register it.
4. Exit Programming Mode.

### 5.4. Tuya App Integration

1. **Download App:** Download the Tuya Smart or Smart Life app from your smartphone's app store.
2. **Register/Login:** Create an account or log in.

3. **Add Device:** Follow the in-app instructions to add your access control system. This typically involves putting the keypad into pairing mode (refer to keypad manual for specific steps, often holding a button or entering a code).
4. **Remote Control:** Once paired, you can remotely unlock the door, manage users, and set temporary passwords via the app.

## 5.5. Unlocking the Door

- **Via PIN Code:** Enter your valid PIN code followed by #.
- **Via ID Card:** Present your registered ID card/fob to the keypad reader.
- **Via Tuya App:** Use the unlock function within the Tuya app.
- **Via Exit Button:** Press the exit button from inside the secured area.
- **Via Remote Control:** If installed, press the unlock button on the remote control.

## 6. MAINTENANCE

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- **Regular Cleaning:** Wipe the keypad and magnetic lock surfaces with a soft, damp cloth. Avoid abrasive cleaners.
- **Check Connections:** Periodically inspect all wiring connections for tightness and signs of corrosion, especially in outdoor environments.
- **Magnetic Lock Alignment:** Ensure the magnetic lock and armature plate remain properly aligned. Misalignment can reduce holding force.
- **Software Updates:** Keep the Tuya app updated to the latest version for optimal performance and security features.
- **Backup Power:** Consider a UPS (Uninterruptible Power Supply) for the system to maintain functionality during power outages.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Door does not unlock.	Incorrect PIN/card, power failure, wiring issue, magnetic lock misalignment.	Verify PIN/card. Check power supply. Inspect all wiring connections. Ensure magnetic lock and armature plate are aligned.
Keypad is unresponsive.	No power, damaged keypad, water ingress.	Check power supply to the keypad. Inspect for physical damage. Ensure proper sealing if exposed to weather.
Tuya App cannot connect to the system.	Wi-Fi issue, incorrect pairing, app outdated.	Ensure your Wi-Fi network is stable (2.4GHz only). Re-attempt pairing process. Update Tuya app. Check if the keypad supports only legacy Wi-Fi B channel 20 MHz.
Magnetic lock is weak or not holding.	Misalignment, insufficient power, damaged lock.	Adjust alignment of magnetic lock and armature plate. Verify 12V power supply. Inspect lock for damage.

Problem	Possible Cause	Solution
System loses connection after network changes or outage.	Firmware issue, Wi-Fi compatibility.	Reboot the system. Ensure your Wi-Fi router is configured for 2.4GHz and potentially 20 MHz channel width for older devices. Contact support for potential firmware updates.

## 8. SPECIFICATIONS

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Brand	YUHANUS
Model Name	YH-K10-P10-280
Lock Type	Electric Magnetic Lock (600lbs holding force)
Access Methods	PIN Code, ID Card, Tuya App, Remote Control (optional), Exit Button
Keypad Features	Waterproof (IP68), Backlit Keypad
Material	Stainless Steel (components may vary)
Power Source	Corded Electric (AC 110V-240V input, DC 12V output)
Special Features	Weather Resistant, Smart Home Compatible (Tuya App)
Product Dimensions	11.81 x 9.45 x 3.15 inches (overall package dimensions)
Item Weight	6.5 Pounds

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or contact YUHANUS customer service directly. Keep your purchase receipt for warranty claims.

For further assistance, visit the official YUHANUS website or contact their support team.