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YUHANUS 600lb Magnetic Lock Kit

YUHANUS 600lb Magnetic Lock Kit Door Access Control System User Manual

1. Introduction

This manual provides detailed instructions for the installation, configuration, and operation of the YUHANUS 600lb Magnetic Lock Kit Door Access Control System. This system is designed to enhance security for various entry points, offering multiple access methods including NFC, RFID cards, keypad codes, and remote control. Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

2. Product Components

The YUHANUS 600lb Magnetic Lock Kit Door Access Control System includes the following components:

Figure 2.1: Overview of the YUHANUS Door Access Control System components, including the keypad, magnetic lock, power supply, exit button, doorbell, and remote controls.

- **Access Control Keypad:** A waterproof NFC/RFID keypad for secure entry via code, card, or NFC-enabled smartphone.
- **600lb Electric Magnetic Lock:** Provides strong locking force for enhanced door security.

- **Power Supply:** Converts AC power to DC 12V for system operation.
- **Touch Exit Button:** Allows for convenient exit from the secured area.
- **Doorbell Chime:** An indoor unit that sounds when the doorbell button on the keypad is pressed.
- **Remote Control with Receiver:** Enables remote unlocking of the door.
- **RFID Cards/NFC Tags:** For card-based access.

Figure 2.2: The waterproof NFC RFID keypad, featuring a numeric touch interface and doorbell icon.

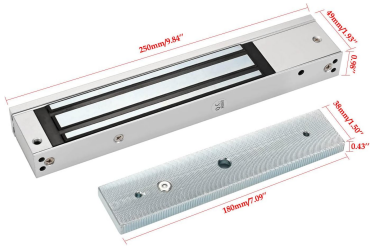


Figure 2.3: The 600lb electric magnetic lock with its armature plate, showing dimensions for installation.

CTRL+	CTRL-	PUSH	GND	+12V	NC	GND	NO

Figure 2.4: The power supply unit, indicating input (AC 110V-240V) and output (DC 12V) connections.

Figure 2.5: The touch-sensitive exit button with an illuminated 'EXIT' label.

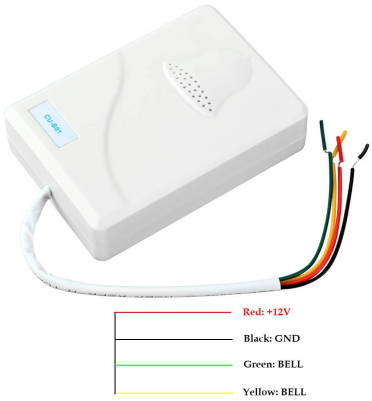


Figure 2.6: The indoor doorbell chime unit with its wiring connections.

3. Setup and Installation

Proper installation is crucial for the reliable operation of your access control system. It is recommended that installation be performed by a qualified technician.

3.1. General Installation Guidelines

- Ensure all power is disconnected before beginning installation.
- Mount components securely to appropriate surfaces.
- Follow all local electrical codes and safety regulations.
- Keep wiring organized and protected from damage.

3.2. System Overview Diagram

Figure 3.1: An overview diagram illustrating the typical placement of the keypad, magnetic lock, power supply, exit button, doorbell, and remote control receiver relative to a door.

3.3. Wiring Diagram

Refer to the following wiring diagram for connecting all components of the access control system. Incorrect wiring can damage the system or pose a safety hazard.

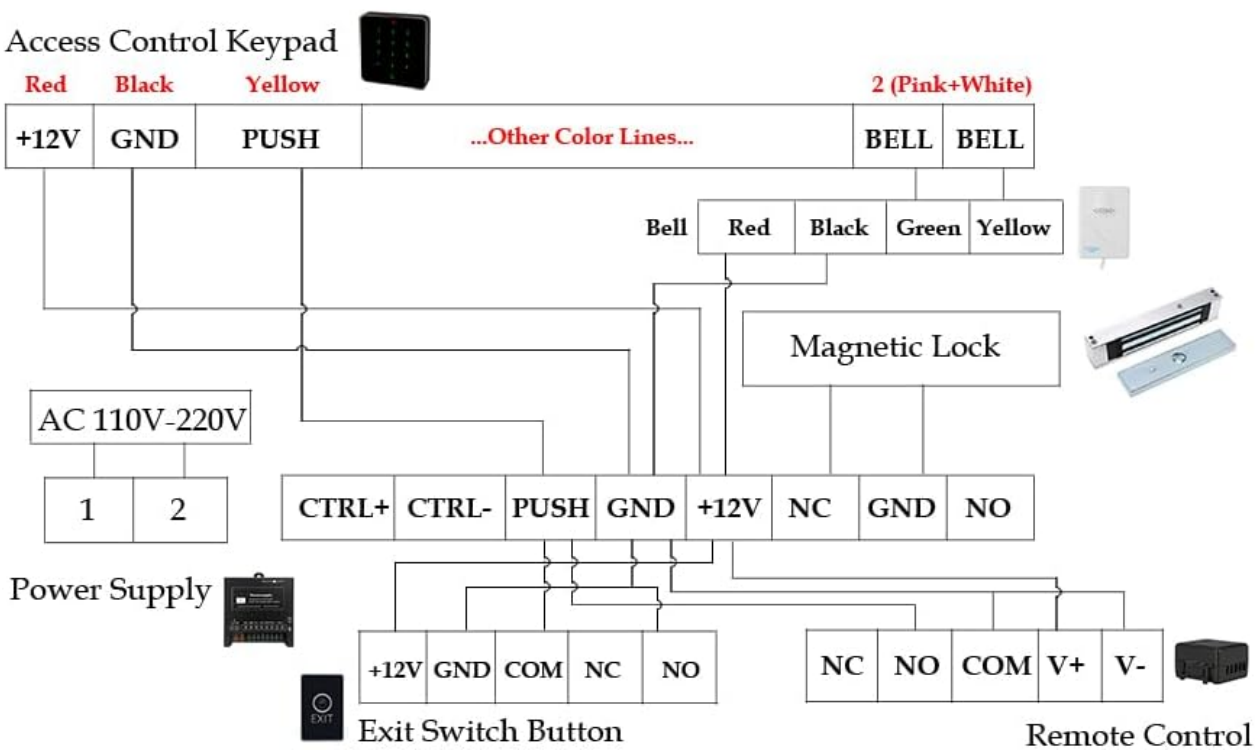


Figure 3.2: Comprehensive wiring diagram showing connections between the access control keypad, power supply, magnetic lock, exit switch button, remote control receiver, and doorbell.

3.3.1. Keypad Wiring

- **Red:** +12V DC Power Input
- **Black:** GND (Ground)
- **Yellow:** PUSH (Connects to power supply PUSH terminal)
- **Bell (Pink+White):** Connects to Doorbell Chime BELL terminals.

3.3.2. Power Supply Wiring

- **AC 110V-220V:** Connect to main power source.
- **+12V:** Connect to Keypad Red wire, Magnetic Lock +12V, Remote Control V+.
- **GND:** Connect to Keypad Black wire, Magnetic Lock GND, Remote Control V-.
- **PUSH:** Connect to Keypad Yellow wire.
- **CTRL+:** Connect to Exit Switch Button +12V.
- **CTRL-:** Connect to Exit Switch Button GND.
- **NO/NC/COM:** For magnetic lock connection (refer to lock type for NO/NC).

3.3.3. Magnetic Lock Wiring

- Connect to the appropriate NO/NC/COM terminals on the power supply based on your desired lock state (fail-safe or fail-secure).

3.3.4. Exit Switch Button Wiring

- Connect to CTRL+ and CTRL- terminals on the power supply.

3.3.5. Remote Control Receiver Wiring

- **V+:** Connect to Power Supply +12V.
- **V-:** Connect to Power Supply GND.

- **NO/NC/COM:** Connect to the appropriate terminals on the power supply for remote unlock functionality.

4. Operating Instructions

This section details how to program and operate your access control system.

4.1. Keypad Programming

The keypad allows for adding and deleting user codes and RFID cards.

4.1.1. Entering Programming Mode

1. Press * (Star) key.
2. Enter the default master password (usually **123456** or **888888**, refer to specific keypad manual if different).
3. Press **#** (Hash) key. The indicator light will change, confirming entry into programming mode.

4.1.2. Adding User Codes

1. In programming mode, press **1**.
2. Enter a 4-6 digit user code.
3. Press **#** to confirm. Repeat for additional codes.

4.1.3. Adding RFID Cards/NFC Tags

1. In programming mode, press **2**.
2. Present the RFID card or NFC-enabled smartphone to the keypad.
3. The keypad will beep to confirm the card has been added. Repeat for additional cards.

4.1.4. Exiting Programming Mode

- Press * to exit programming mode.

4.2. Access Methods

- **Code Entry:** Enter your programmed user code on the keypad, then press **#**.
- **Card/NFC Entry:** Present your programmed RFID card or NFC-enabled smartphone to the keypad.
- **Remote Control:** Press the unlock button on the remote control.
- **Exit Button:** Press the touch exit button from inside to unlock the door.

4.3. Doorbell Function

- To use the doorbell, visitors press the bell icon on the keypad. The indoor doorbell chime will sound.

5. Maintenance

Regular maintenance ensures the longevity and optimal performance of your access control system.

- **Cleaning:** Wipe the keypad and other external components with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Magnetic Lock:** Ensure the magnetic lock and armature plate are clean and free of debris to maintain full holding force.

- **Functionality Test:** Regularly test all access methods (code, card, remote, exit button) to confirm proper operation.

6. Troubleshooting

If you encounter issues with your access control system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Door does not unlock.	No power; incorrect code/card; wiring issue; magnetic lock malfunction.	Check power supply and connections. Verify code/card. Inspect wiring. Test magnetic lock independently.
Keypad is unresponsive.	No power; keypad damage; wiring issue.	Check power to keypad. Inspect keypad for physical damage. Verify keypad wiring.
Remote control does not work.	Remote battery low/dead; remote not paired; receiver wiring issue.	Replace remote battery. Re-pair remote with receiver. Check receiver power and wiring.
Doorbell chime does not sound.	Chime not powered; wiring issue; chime malfunction.	Ensure chime is powered. Check doorbell chime wiring to keypad. Test chime independently.

If the problem persists after attempting these solutions, please contact customer support.

7. Specifications

Key technical specifications for the YUHANUS 600lb Magnetic Lock Kit Door Access Control System:

Brand	YUHANUS
Model	600lb Magnetic Lock Kit
Power Source	Corded Electric (AC 110V-240V input, DC 12V output)
Compatible Devices	Smartphone (NFC), RFID Cards
Item Dimensions (L x W x H)	11.81 x 7.87 x 3.54 inches
Connectivity Technology	Wireless (for remote control)
Installation Type	Surface Mount (Self-Adhesive for some components)
Control Method	Keypad, RFID/NFC, Remote
Maximum Range (Remote)	328 Feet
Item Weight	6.1 pounds (2.77 Kilograms)

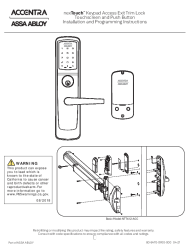
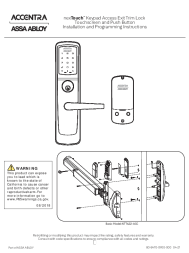
UPC	769894490525
Item Model Number	769894490525

8. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact YUHANUS customer service directly. Ensure you have your product model number and purchase details available when seeking support.

Manufacturer: Shenzhen YuHan International Business Co.,Ltd.

Related Documents - 600lb Magnetic Lock Kit

	Shenzhen YuHan Bluetooth Smart Lock Model Differences - YUHANUS Details on model differences for Shenzhen YuHan's YUHANUS Bluetooth smart locks, including model numbers YH-D280, YH-D290, YH-D300, YH-D350, YH-D500, YH-D800, YH-ULock-01, YH-BikeLock-01, YH-BikeLock-02. All models share the same circuit and RF module.
	HT-T12 TUYA WIFI Access Control User Manual User manual for the HT-T12 TUYA WIFI access control system, detailing technical specifications, installation, wiring diagrams, programming, and Tuya app integration.
	ACCENTRA nexTouch™ Keypad Access Exit Trim Lock Installation and Programming Instructions Comprehensive installation and programming guide for the ACCENTRA nexTouch™ Keypad Access Exit Trim Lock. This document provides step-by-step instructions, safety warnings, and technical details for installing and setting up the lock.
	ASSA ABLOY ACCENTRA nexTouch Keypad Access Exit Trim Lock Installation and Programming Instructions Comprehensive installation and programming guide for the ASSA ABLOY ACCENTRA nexTouch Keypad Access Exit Trim Lock (Model NTT622-ACC). Learn how to install, configure, and troubleshoot this advanced door hardware solution.

	[LEHMANN GIRO RFID MIFARE Electronic Knob Lock | Flexible, Secure, Retrofittable] Explore the LEHMANN GIRO RFID MIFARE, an innovative electronic knob lock offering keyless access, enhanced security, and easy retrofitting for cabinets and furniture. Features RFID technology, smartphone app control, and versatile installation options.
	[Programming Manual for RFID and Keypad Door Locks] This manual provides detailed instructions for programming and managing RFID and keypad access control door locks. It covers master code settings, adding and removing RFID keys/cards, PIN management, and other essential functions for system setup and operation.