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UHPPOTE HBK-A02

UHPPOTE HBK-A02 125KHz RFID Access Control Keypad User Manual

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the UHPPOTE HBK-A02 125KHz RFID Access Control Keypad. This device is designed to offer secure and convenient access management for various environments, supporting up to 1000 users with card and password access.

Product Overview

The UHPPOTE HBK-A02 is a standalone access control keypad featuring robust security and user-friendly programming.

Key Features

- High quality and high security for reliable operation.
- Sensitive and quick response time for user convenience.
- Full programming capabilities directly from the keypad, including adding/deleting cards and setting passwords.
- Integrated bell button with support for an external doorbell.
- Equipped with a high-performance 32-bit MCU for stable operation and extended service life through low-power circuitry.
- Functions as a standalone keypad, eliminating the need for computer connection.
- Suitable for a wide range of applications including factories, residential areas, offices, and various control equipment.

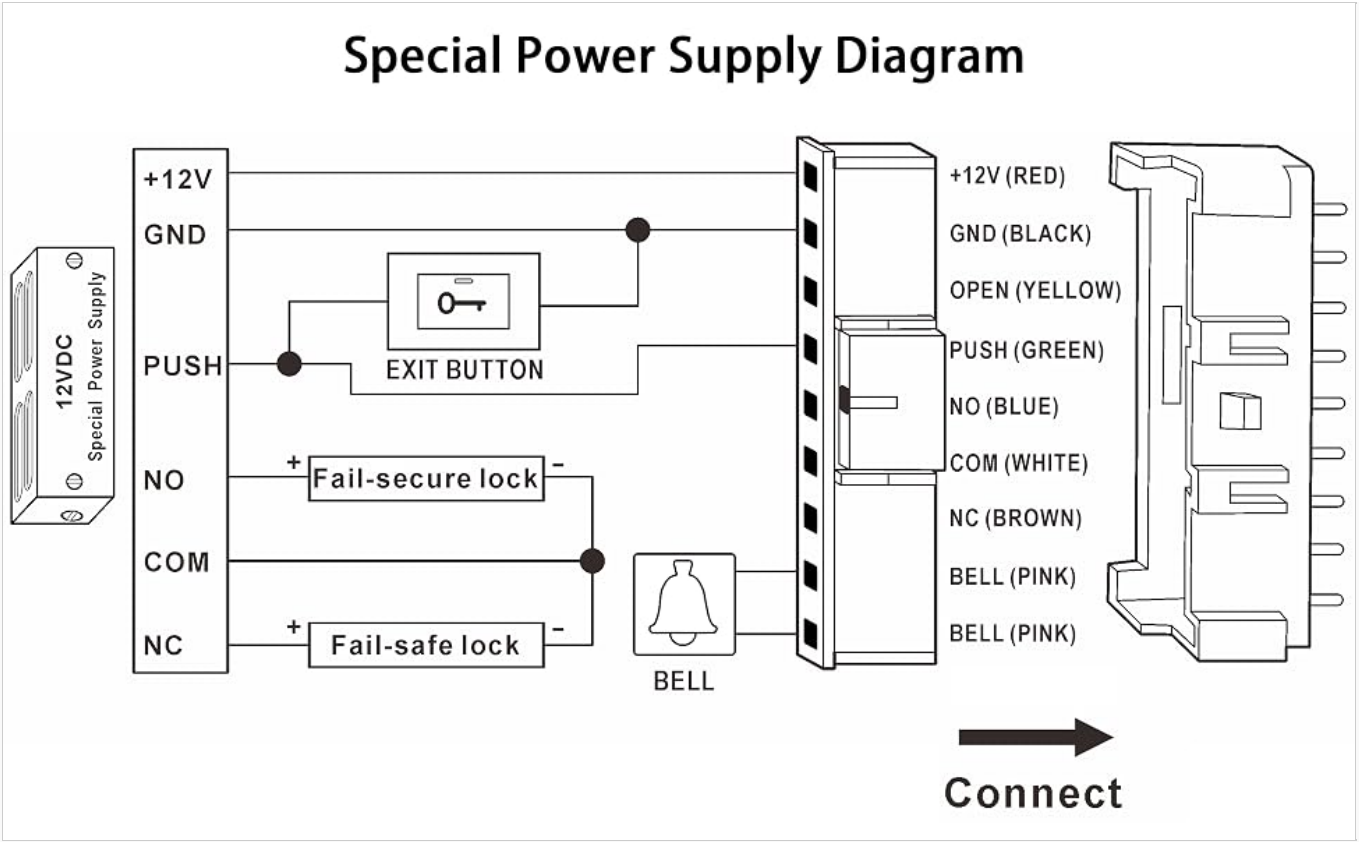


Image: The UHPPOTE HBK-A02 keypad with an overlay highlighting its high-performance 32-bit MCU, indicating advanced internal processing.

Specifications

Feature	Detail
Model Number	HBK-A02
Operating Voltage	12 Volts (DC)
Product Dimensions	4.33 x 2.8 x 0.89 inches
Item Weight	3.53 ounces
Thickness	22.5 Millimeters
Included Components	Keypad
Batteries Required	No

Setup and Installation

Package Contents

Verify that all components are present before beginning installation:

- UHPPOTE HBK-A02 Access Control Keypad
- Mounting Screws and Wall Plugs
- Wiring Harness
- User Manual (this document)

Mounting the Keypad

Choose a suitable location for the keypad, typically near the door to be controlled. Ensure the surface is flat and stable.

1. Carefully open the keypad casing to access the mounting holes.
2. Mark the drilling points on the wall using the keypad's backplate as a template.
3. Drill holes and insert wall plugs if necessary.
4. Secure the keypad backplate to the wall using the provided screws.
5. Route the wiring through the designated opening.
6. Reattach the keypad front cover to the backplate.



Image: Front view of the UHPPOTE HBK-A02 Access Control Keypad, showing the numeric keys and bell button.





Image: Rear view of the UHPPOTE HBK-A02 Access Control Keypad, showing the wiring harness connected to the circuit board.

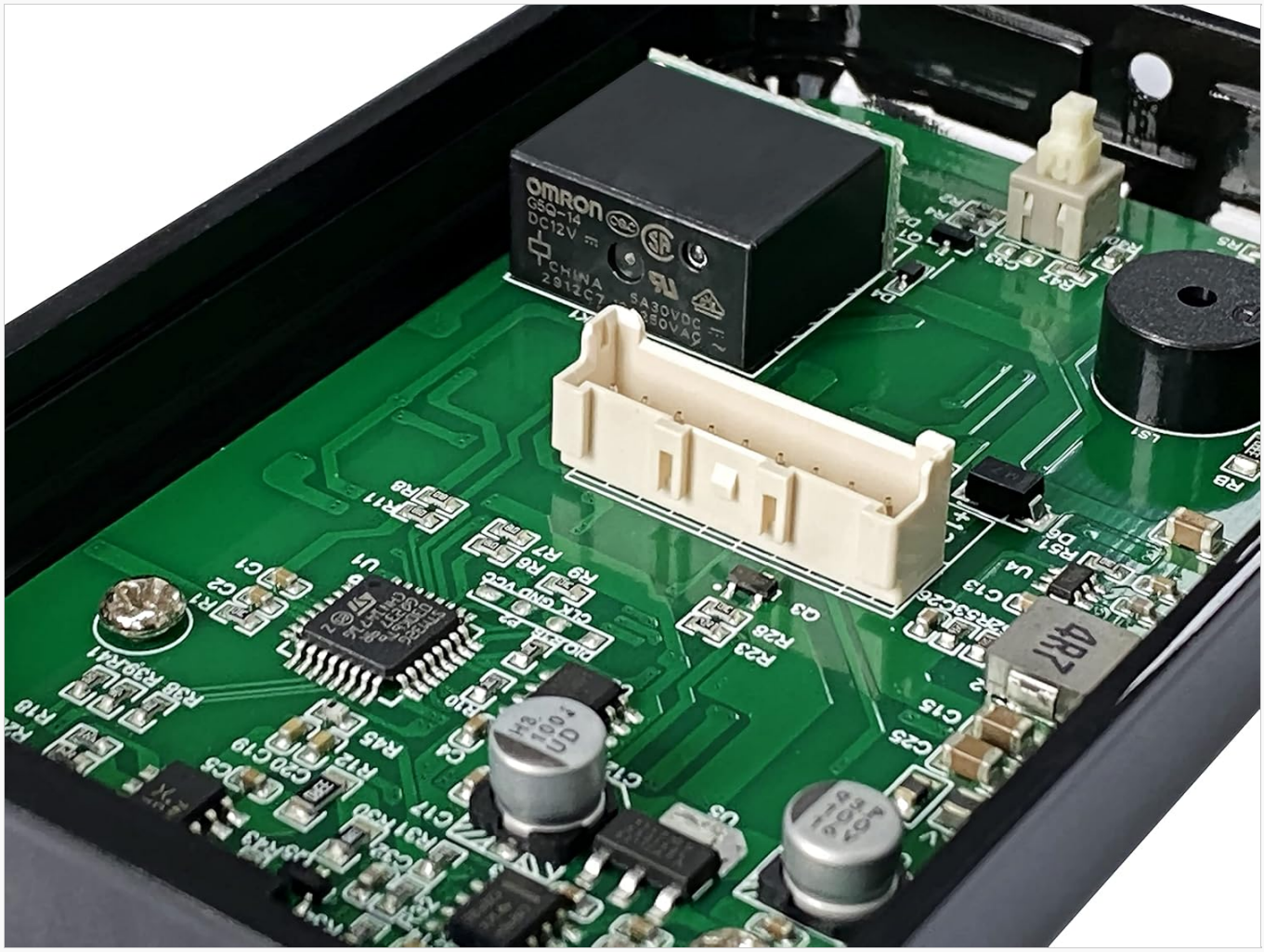


Image: Close-up of the internal circuit board of the UHPPOTE HBK-A02 Access Control Keypad, showing the main chip and relay.

Wiring Instructions

Proper wiring is crucial for the correct operation of the access control system. Refer to the diagrams below for common and special power supply configurations.

Wire Color Code:

- **+12V:** Red

- **GND:** Black
- **OPEN:** Yellow
- **PUSH:** Green
- **NO:** Blue
- **COM:** White
- **NC:** Brown
- **BELL:** Pink

Common Power Supply Diagram

This diagram illustrates the wiring for a common power supply setup, connecting the keypad to a power source, exit button, and a fail-secure or fail-safe lock, along with an external bell.

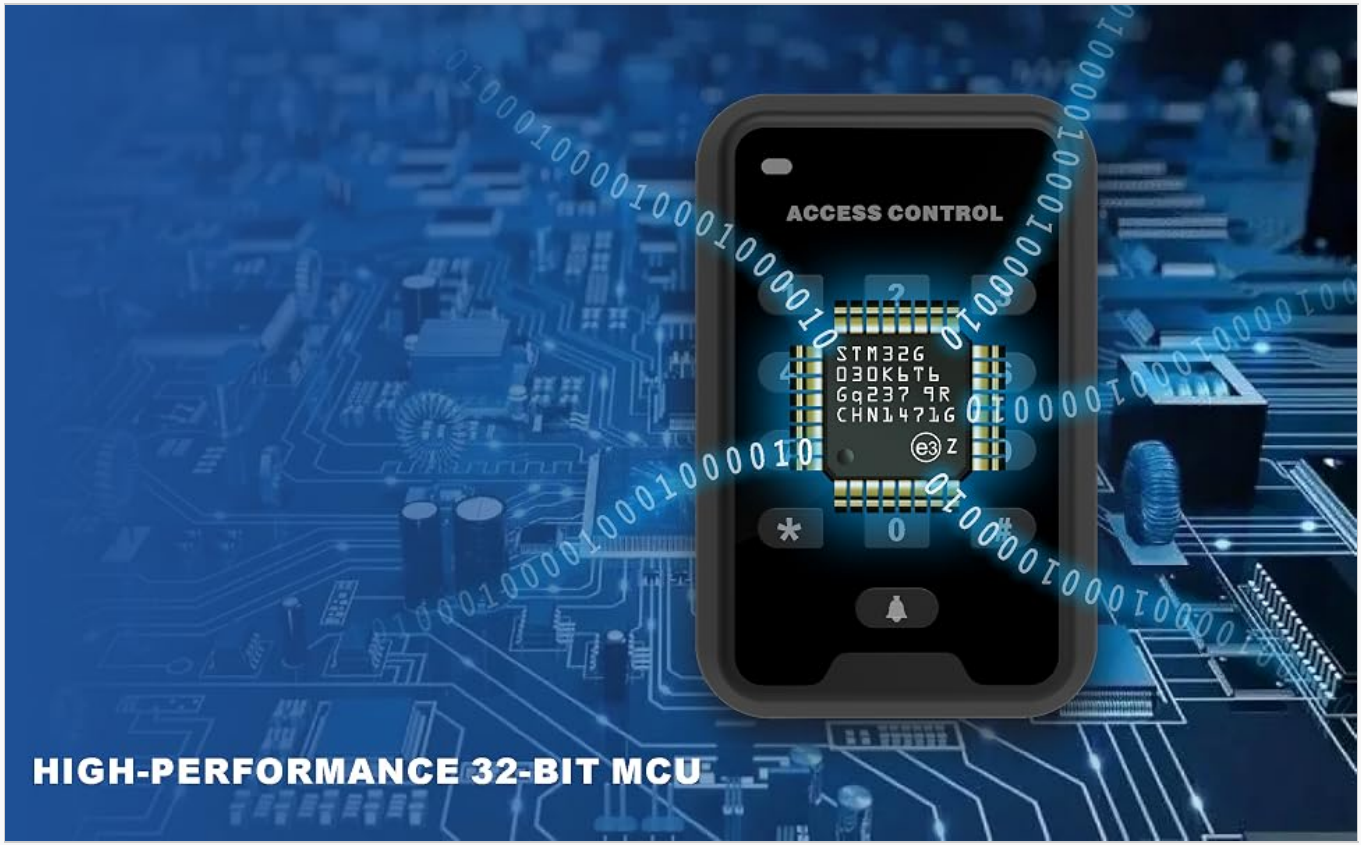


Image: Wiring diagram for common power supply configuration, showing connections for +12V, GND, Exit Button, Fail-secure/Fail-safe lock, and Bell.

Special Power Supply Diagram

This diagram shows the wiring for a special power supply setup, often used with dedicated 12VDC access control power supplies that include PUSH, NO, and COM outputs for direct lock control.

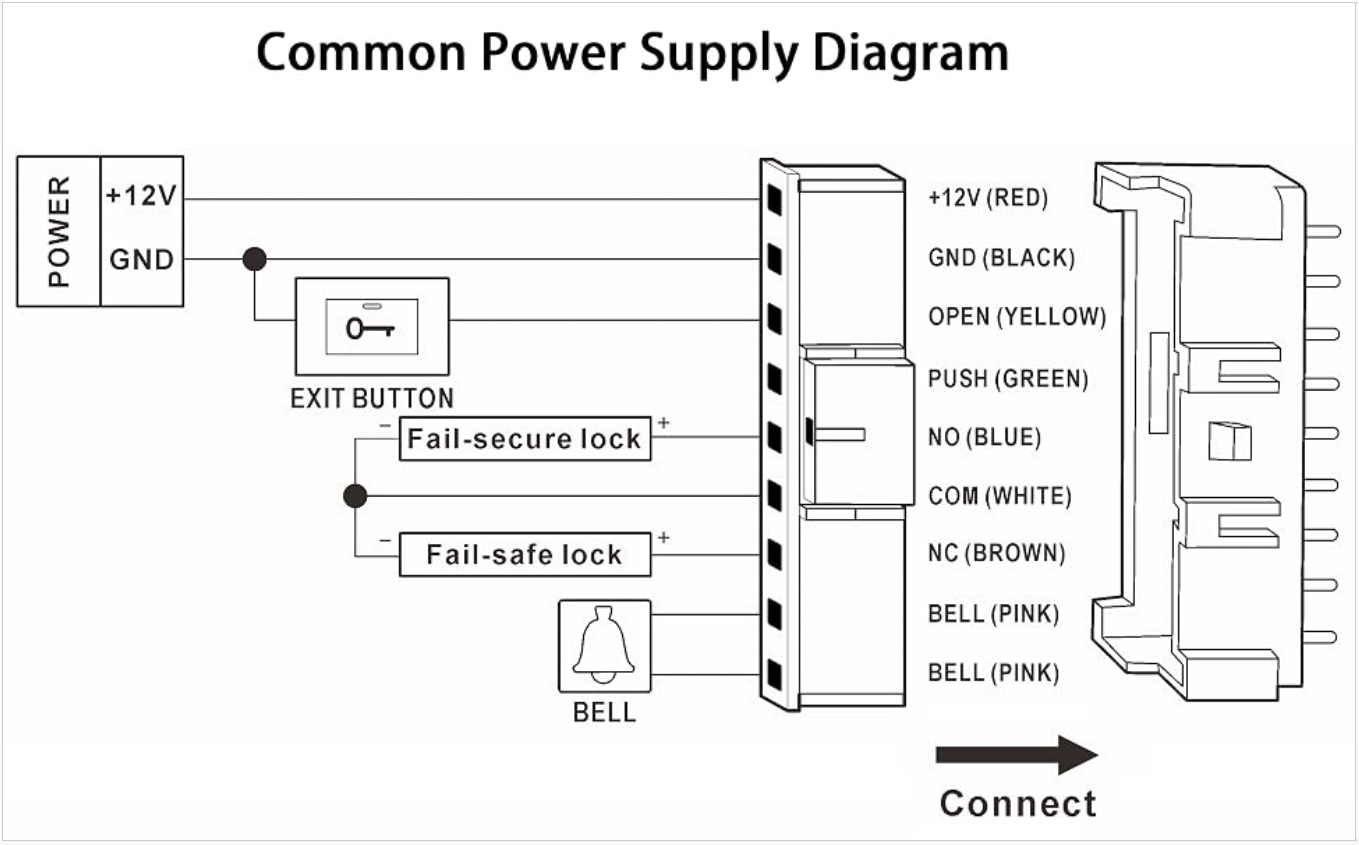


Image: Wiring diagram for special power supply configuration, detailing connections for a 12VDC power supply, Exit Button, Fail-secure/Fail-safe lock, and Bell.

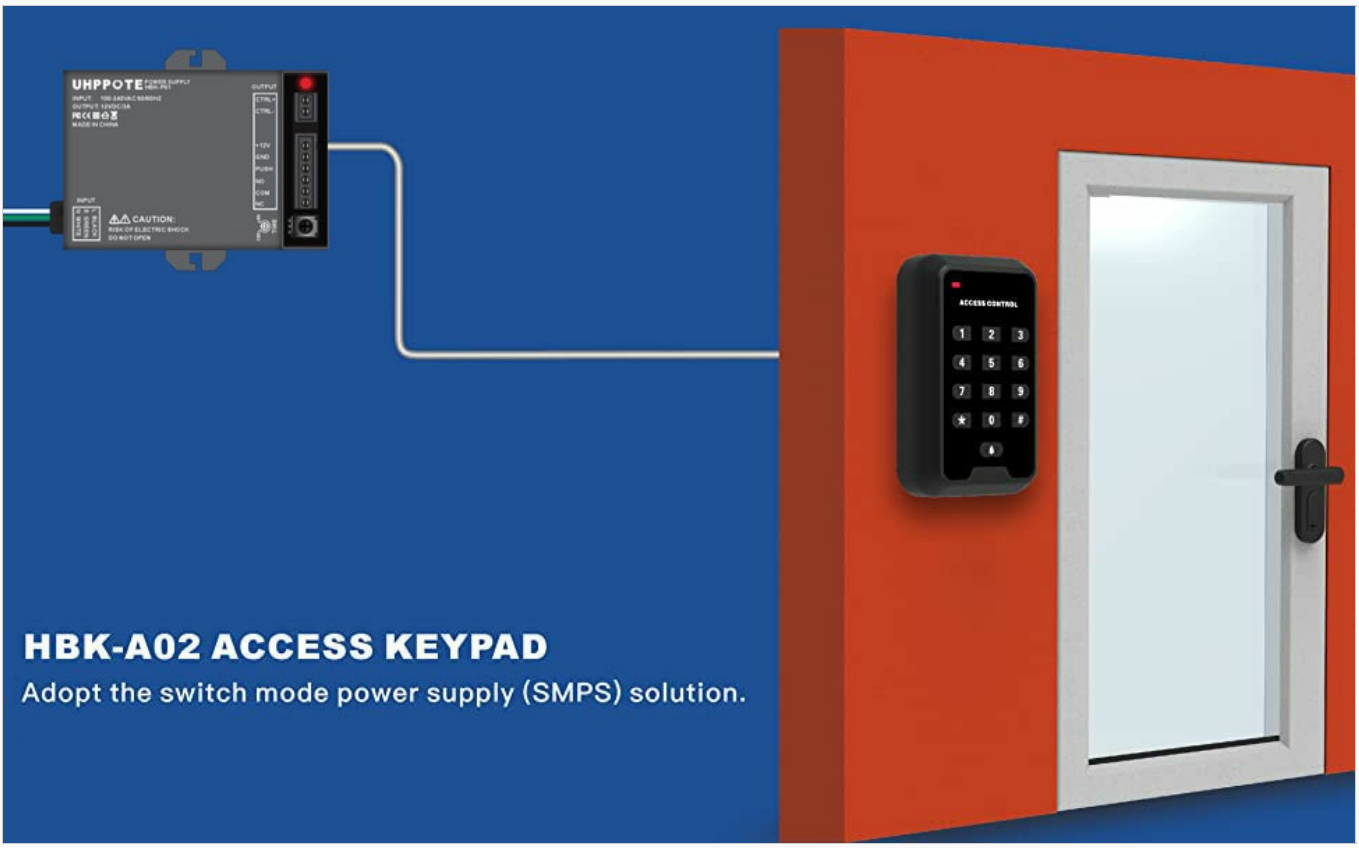


Image: Diagram showing the HBK-A02 access keypad integrated into a complete access control system with a power supply and door.

Operating Instructions

The UHPPOTE HBK-A02 keypad supports various access methods and programming functions directly from the device.

Initial Setup and Master Code

1. **Power On:** Connect the keypad to a 12V DC power supply as per the wiring diagrams.
2. **Default Master Code:** The default master code is typically **123456**. It is highly recommended to change this immediately after installation.
3. **Entering Programming Mode:** Press * then enter the Master Code, then press**#**. The indicator light will change to confirm entry into programming mode.

Changing the Master Code

1. Enter Programming Mode.
2. Press **0** (or a designated key for master code change).
3. Enter your new 6-digit Master Code.
4. Press **#** to confirm.
5. Exit Programming Mode by pressing *.

Adding User Cards (RFID)

The keypad supports up to 1000 users.

1. Enter Programming Mode.
2. Press **1** (or a designated key for adding users).
3. Present the RFID card to the keypad. The keypad will beep to confirm the card has been added.
4. To add more cards, repeat step 3.
5. Exit Programming Mode by pressing *.

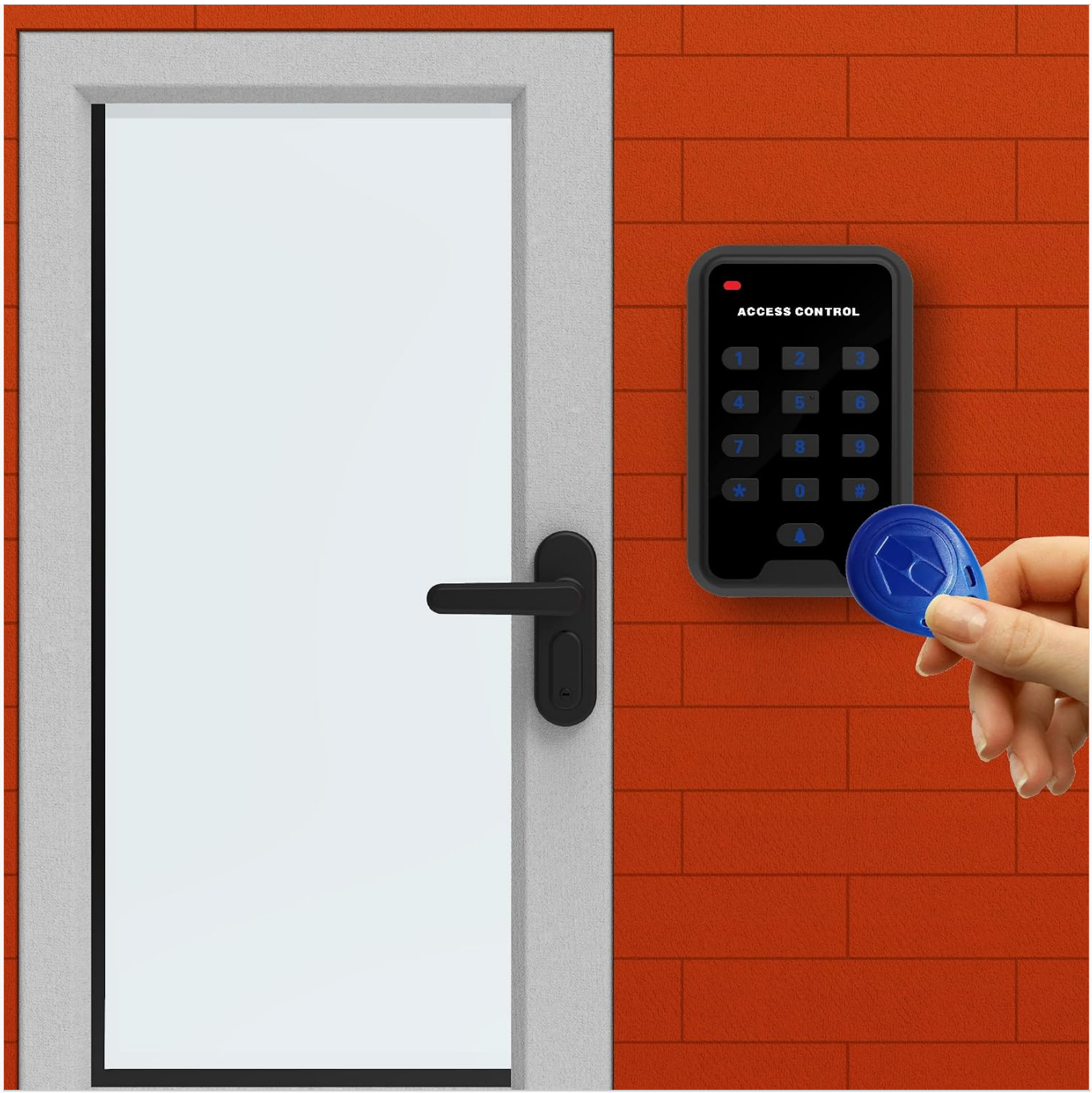


Image: A hand presenting an RFID card to the UHPPOTE HBK-A02 Access Control Keypad mounted on a wall next to a door, demonstrating card access.

Adding User Passwords

1. Enter Programming Mode.
2. Press **2** (or a designated key for adding passwords).
3. Enter a 4-6 digit user password.
4. Press **#** to confirm.
5. To add more passwords, repeat steps 3-4.
6. Exit Programming Mode by pressing *.

Deleting User Cards/Passwords

1. Enter Programming Mode.
2. Press **3** (or a designated key for deleting users).
3. To delete a card: Present the RFID card to the keypad.
4. To delete a password: Enter the 4-6 digit user password, then press**#**.

5. Exit Programming Mode by pressing *.

Accessing the Door

- **Using an RFID Card:** Present your registered RFID card to the keypad. The door will unlock briefly.
- **Using a Password:** Enter your registered 4-6 digit password, then press **#**. The door will unlock briefly.

Bell Function

If an external doorbell is connected, pressing the bell button on the keypad will activate the doorbell.

Maintenance

The UHPPOTE HBK-A02 Access Control Keypad requires minimal maintenance to ensure long-term reliable operation.

- **Cleaning:** Wipe the keypad surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the finish or electronic components.
- **Environmental Conditions:** Ensure the keypad is installed in an environment within its specified operating temperature and humidity ranges. Protect it from direct water exposure if not rated for outdoor use.
- **Regular Testing:** Periodically test the access control functionality (card, password, exit button) to ensure all components are working correctly.

Troubleshooting

Refer to the following common issues and their solutions:

Problem	Possible Cause	Solution
Keypad does not power on.	No power supply or incorrect wiring.	Check power connections and ensure 12V DC is supplied. Verify wiring against diagrams.
RFID card not recognized.	Card not registered or incorrect card type.	Ensure the card is registered in the system. Verify it is a 125KHz RFID card.
Password not working.	Incorrect password or not registered.	Double-check the password entered. Ensure the password has been correctly added to the system.
Door does not unlock.	Lock wiring issue, power supply to lock, or keypad relay fault.	Verify lock wiring (NO/NC/COM). Check power supply to the lock. Test the keypad's relay output.
Keypad beeps continuously.	Stuck key or internal fault.	Check for any stuck keys. If the problem persists, contact support.

Warranty and Support

This UHPPOTE product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official UHPPOTE website.

For technical support, troubleshooting assistance, or replacement parts, please contact UHPPOTE customer service through their official channels. When contacting support, please have your product model number (HBK-A02) and purchase information ready.

UHPPOTE Official Website: Visit UHPPOTE Store on Amazon

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