UHPPOTE HBK-A01

UHPPOTE 125KHz RFID Stand-Alone Door Access Control Keypad User Manual

Model: HBK-A01
Brand: UHPPOTE

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the UHPPOTE 125KHz RFID Stand-Alone Door Access Control Keypad (Model HBK-A01). This device is designed to provide secure and convenient access control using both RFID transponder technology and keypad PIN entry.

Key features include contactless RFID operation, full programming directly from the keypad without requiring a computer, and robust construction with an ABS plastic shell. It also incorporates lock output current short circuit protection, enhancing its reliability. The keypad is suitable for various applications, including factories, residential areas, offices, and mechanical/electrical control equipment.

Figure 1: Front view of the UHPPOTE 125KHz RFID Stand-Alone Door Access Control Keypad.

2. What's in the Box

Please verify that all items listed below are included in your package:

- 1 x Access Control Keypad (Model HBK-A01)
- 1 x English User Manual (this document)
- 4 x Rubber Plugs (for shell fixing)
- 4 x Self-Tapping Screws (for shell fixing)

Figure 2: The product packaging, showing the included keypad.

3. Specifications

Feature	Specification
Operating Voltage	12VDC
Lock Output Load	Max. 1.5A
Idle Current	50mA
RFID Card Capacity	500 Users
User PIN Capacity	500 Users
PIN Digits	4-8 digits
Card Type	Standard 125KHz EM (Not compatible with encrypted cards like HID, Indala, Cobra, APCiK, Paradox, Radio, Honeywell)
Door Relay Time	0-99 seconds
External Reader Support	Not supported
Waterproof	Not supported
Keypad Backlight	Not supported

Feature	Specification
Shell Material	Plastic
Product Weight	3.5 oz (100g)
Card Reading Distance	Max. 2-23/64" (6cm)
Shell Dimensions (LxWxH)	3-15/16" x 3-15/16" x 47/64" (100x100x18.5mm)
Door Open Options	Card Only / Password Only / Card + Password / Card or Password
Working Temperature	-22°F ~ 140°F (-30°C ~ 60°C)
Working Humidity	10%-90%RH, non-condensing
Wiring Connections	Electric Lock, Exit Button, External Bell

Figure 3: Rear view and internal circuit board of the keypad, highlighting its components.

4. Setup and Installation

4.1 Physical Installation

Follow these steps for physical installation of the keypad:

1. Carefully open the keypad housing.
2. Mount the backplate of the keypad securely to the desired wall or door frame using the provided self-tapping screws and rubber plugs. Ensure the mounting surface is stable.
3. Route the necessary wiring through the designated opening in the backplate.
4. Attach the main keypad unit to the mounted backplate, ensuring it clicks securely into place.

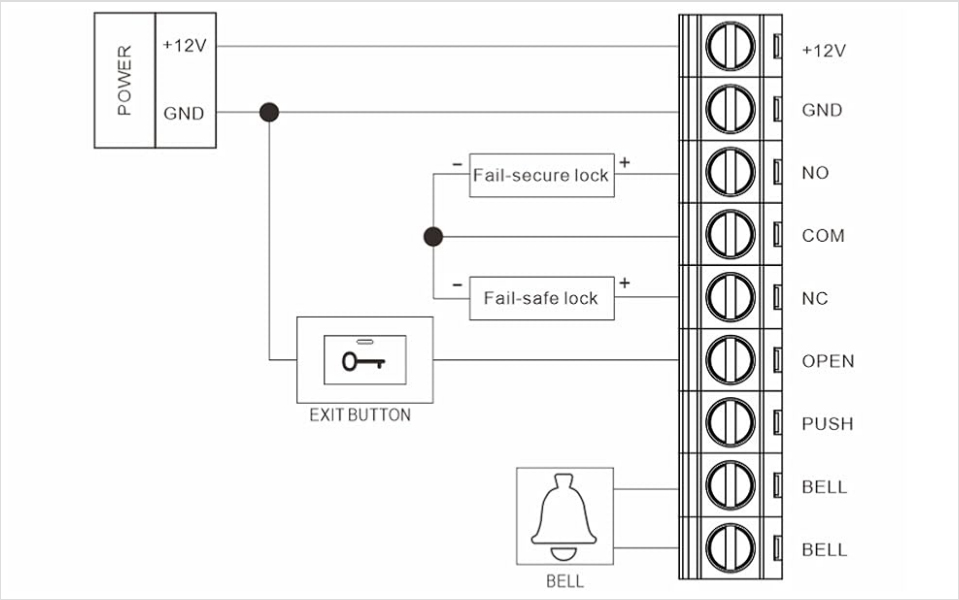


Figure 4: Illustrated guide for mounting the keypad on a wall.

4.2 Wiring Connections

Proper wiring is crucial for the correct operation of the access control keypad. Refer to the diagrams below for connecting the keypad to an electric lock, exit button, and external bell. Ensure all connections are secure and follow local electrical codes.

Wiring Diagram 1: Basic Connection

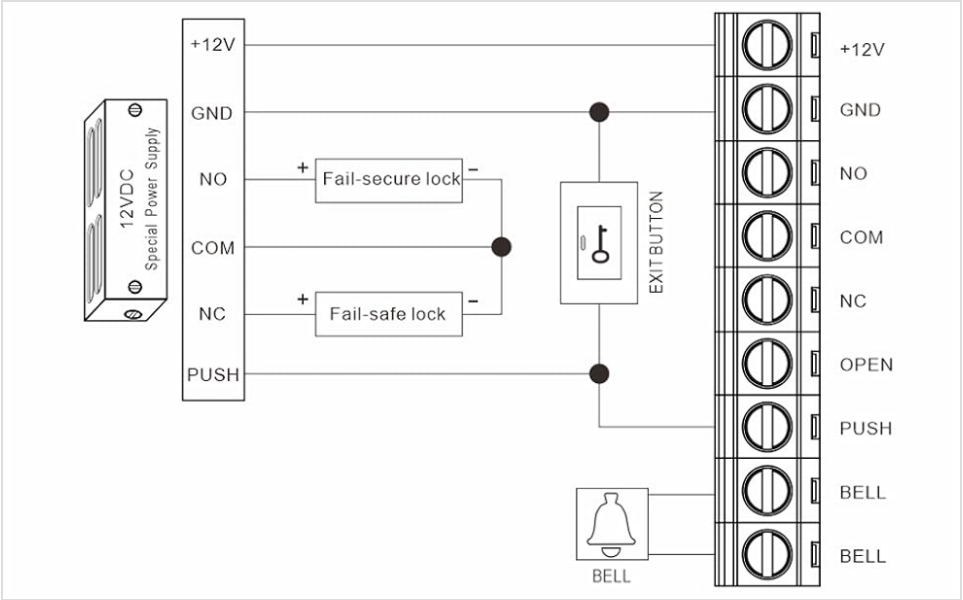


Figure 5: Basic wiring diagram for power, electric lock (fail-secure/fail-safe), and exit button.

Wiring Diagram 2: With External Power Supply

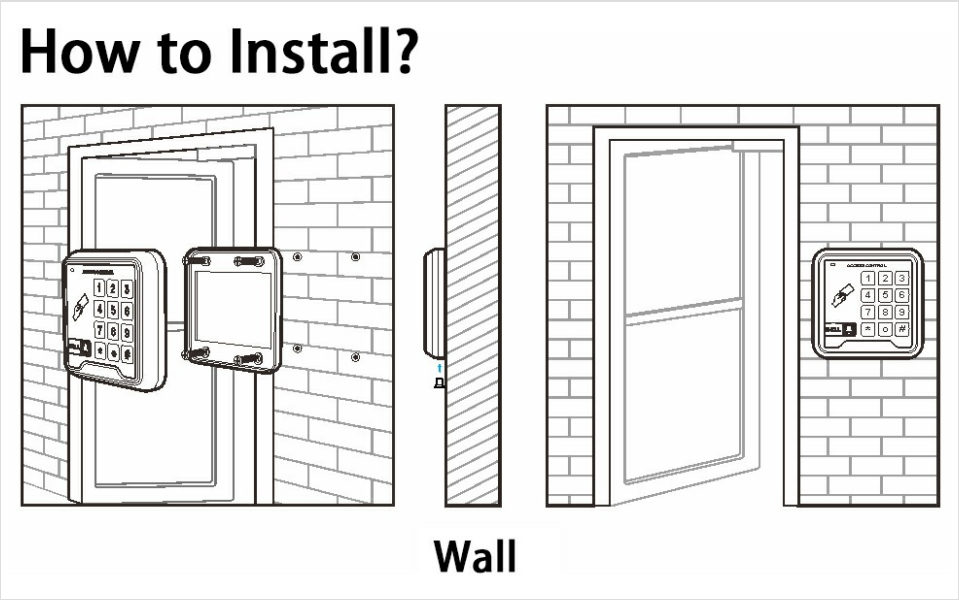


Figure 6: Wiring diagram including an external 12VDC power supply for the system.

5. Operating Instructions

The UHPPOTE HBK-A01 keypad can be programmed directly using the keypad. Below are common operating procedures. For a visual guide, please refer to the operation video provided.

[redacted]

Video 1: UHPPOTE HBK-A01 Operation Guide. This video demonstrates the programming steps for the access control keypad.

5.1 Change Admin Password

The default admin password is 123456. It is highly recommended to change this immediately after installation for security purposes. The admin password should be 4-8 digits.

1. Enter: **# 123456 # 0** (This enters programming mode and selects the admin password change function).
2. Input your new admin password (4-8 digits).
3. Press **#** to confirm.
4. Input the new admin password again to verify.
5. Press **#** to confirm and exit.

(Refer to Video 1, timestamp 0:17 - 0:46 for a demonstration of changing the admin password.)

5.2 Add Card Users

This method allows you to add RFID cards to the system for access.

1. Enter: **# [Admin Password] # 1 0** (This enters programming mode and selects the add card user function).
2. Place the RFID card you wish to add onto the keypad. The keypad will beep to confirm successful addition.
3. If you have more cards to add, place them one by one on the keypad.
4. Press **#** after adding all cards to exit.

(Refer to Video 1, timestamp 0:47 - 0:1:11 for a demonstration of adding card users.)

5.3 Add Card Users with ID Number

You can also add cards by manually entering a user ID number. The user ID number is any 4-digit number from

0001 to 9999.

1. Enter: **# [Admin Password] # 1 1** (This enters programming mode and selects the add card user by ID function).
2. Input the 4-digit user ID number (e.g., 0001).
3. Press **#** to confirm.
4. Place the RFID card corresponding to the entered ID number onto the keypad. The keypad will beep to confirm successful addition.
5. Press **#** to exit.

(Refer to Video 1, timestamp 0:1:12 - 0:1:41 for a demonstration of adding card users with an ID number.)

5.4 Add or Change PIN Users

This procedure allows you to add new PIN users or change existing PINs. The password should be 4-8 digits, and cannot be all zeros.

1. Enter: **# [Admin Password] # 1 2** (This enters programming mode and selects the add/change PIN user function).
2. Input the 4-digit user ID number (e.g., 0001).
3. Press **#** to confirm.
4. Input the new 4-8 digit PIN.
5. Press **#** to confirm.
6. Input the new PIN again to verify.
7. Press **#** to confirm and exit.

(Refer to Video 1, timestamp 0:1:42 - 0:2:16 for a demonstration of adding or changing PIN users.)

5.5 To Set or Change a PIN of an Added Card

This operation is performed outside of the programming mode. Ensure the card has already been programmed to this keypad.

1. Place the added RFID card on the keypad.
2. Enter: **# #** (This initiates the PIN change for the presented card).
3. Input the new 4-8 digit PIN.
4. Press **#** to confirm.
5. Input the new PIN again to verify.
6. Press **#** to confirm. The keypad will beep to indicate success.

(Refer to Video 1, timestamp 0:2:17 - 0:2:50 for a demonstration of setting or changing a PIN for an added card.)

6. Maintenance

To ensure the longevity and optimal performance of your UHPPOTE Access Control Keypad, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the keypad surface. Avoid abrasive cleaners, solvents, or excessive moisture, as the unit is not waterproof.
- **Environmental Conditions:** Ensure the keypad is installed in an environment within the specified working

temperature and humidity ranges. Avoid direct exposure to water or extreme temperatures.

- **Wiring Inspection:** Periodically check all wiring connections for any signs of wear, damage, or loose connections. Secure any loose wires to prevent intermittent operation or electrical hazards.

7. Troubleshooting

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

Problem	Possible Cause / Solution
Keypad is unresponsive / No power	◦ Check the 12VDC power supply connection. Ensure it is securely connected and providing the correct voltage. ◦ Verify that the power source is active.
RFID card not recognized	◦ Ensure the card is a standard 125KHz EM type and not an encrypted card. ◦ Verify the card has been properly added to the keypad's memory (refer to Section 5.2 or 5.3). ◦ Place the card directly on the keypad for reading. The maximum reading distance is 6cm.
PIN not accepted	◦ Ensure the correct 4-8 digit PIN is being entered. ◦ Verify the PIN has been properly set or changed (refer to Section 5.4 or 5.5). ◦ If the admin password is forgotten, there is no direct reset button. You may need to consult the manufacturer's support for advanced reset procedures, which might involve a factory reset and loss of user data.
Door lock not activating/deactivating	◦ Check the wiring connections to the electric lock (NO/NC/COM terminals). ◦ Ensure the lock itself is functioning correctly. ◦ Verify the door relay time setting (0-99 seconds) is appropriate.

8. Warranty Information

UHPPOTE products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official UHPPOTE website. Keep your purchase receipt as proof of purchase for any warranty claims.

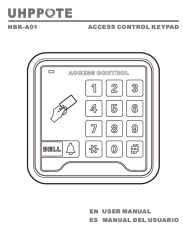
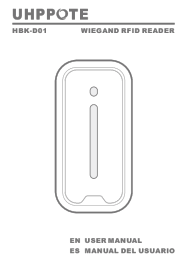
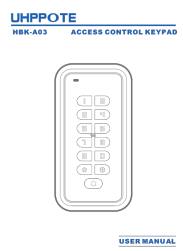
9. Customer Support

Should you require further assistance, technical support, or have questions not covered in this manual, please contact UHPPOTE customer service through the following channels:

- **Online Support:** Visit the UHPPOTE official website for FAQs, troubleshooting guides, and contact forms.
- **Email Support:** Refer to your product packaging or the official website for the dedicated support email address.

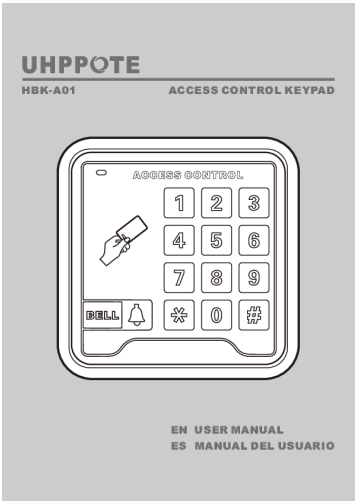
When contacting support, please have your product model (HBK-A01) and purchase details ready to facilitate a quicker resolution.

Related Documents - HBK-A01

	UHPPOTE HBK-A01 Access Control Keypad User Manual User manual for the UHPPOTE HBK-A01 Access Control Keypad, detailing installation, specifications, features, operation, and troubleshooting.
	UHPPOTE HBK-A04T 2.4-inch TFT RFID Access Control Terminal User Manual User manual for the UHPPOTE HBK-A04T 2.4-inch TFT RFID Access Control Terminal, detailing installation, setup, user management, door settings, device configuration, and Tuya Smart APP integration.
	UHPPOTE HBK-D01 Wiegand RFID Reader User Manual and Installation Guide This document provides comprehensive information for the UHPPOTE HBK-D01 Wiegand RFID reader, including its features, technical specifications, wiring instructions, installation guide, and FCC compliance details. Designed for access control systems, it offers reliable performance and durability.
	UHPPOTE HBK-A03 Access Control Keypad User Manual User manual for the UHPPOTE HBK-A03 Access Control Keypad, detailing its features, specifications, installation, wiring, and operation.

	[UHPPOTE HBK-A02 Access Control Keypad User Manual] Comprehensive user manual for the UHPPOTE HBK-A02 Access Control Keypad, detailing installation, specifications, operation, wiring, and troubleshooting. Supports RFID cards and PIN access.
	[UHPPOTE HBK-D02K Wiegand RFID Reader User Manual] User manual for the UHPPOTE HBK-D02K Wiegand RFID Reader, covering introduction, features, specifications, wiring, installation, and FCC warnings.

Documents - UHPPOTE – HBK-A01



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User manual for the UHPPOTE HBK-A01 Access Control Keypad, detailing installation, specifications, features, operation, and troubleshooting.
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