ASHATA RichuIYlmyLmo0

ASHATA 125KHz Security Access Control Keypad User Manual

Model: RichuIYlmyLmo0

1. Introduction

This user manual provides detailed instructions for the installation, operation, and maintenance of your ASHATA 125KHz Security Access Control Keypad, Model RichuIYlmyLmo0. This non-contact proximity card and password access control system is designed for single-door applications, offering high security and reliability.
Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage to the device or property.

2. Package Contents

Verify that all items listed below are present in your package:

- 1 x ASHATA Access Control Keypad
- 1 x Connecting Cable (Wiring Harness)
- 1 x Installation Accessories Pack (Screws, Wall Anchors, Hex Key)
- 1 x User Instruction Manual

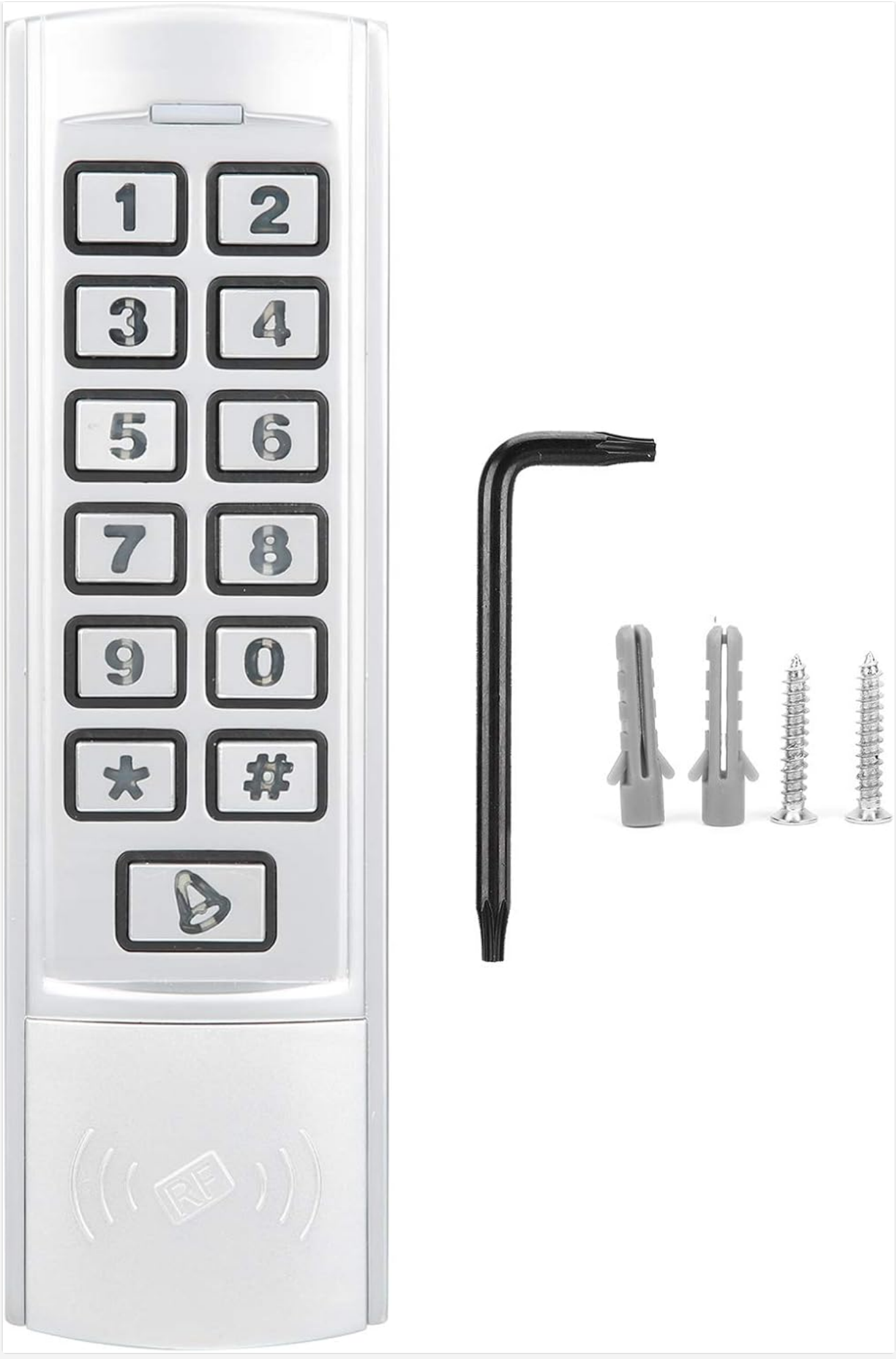


Image: ASHATA Access Control Keypad shown with the included hex key, wall anchors, and mounting screws.

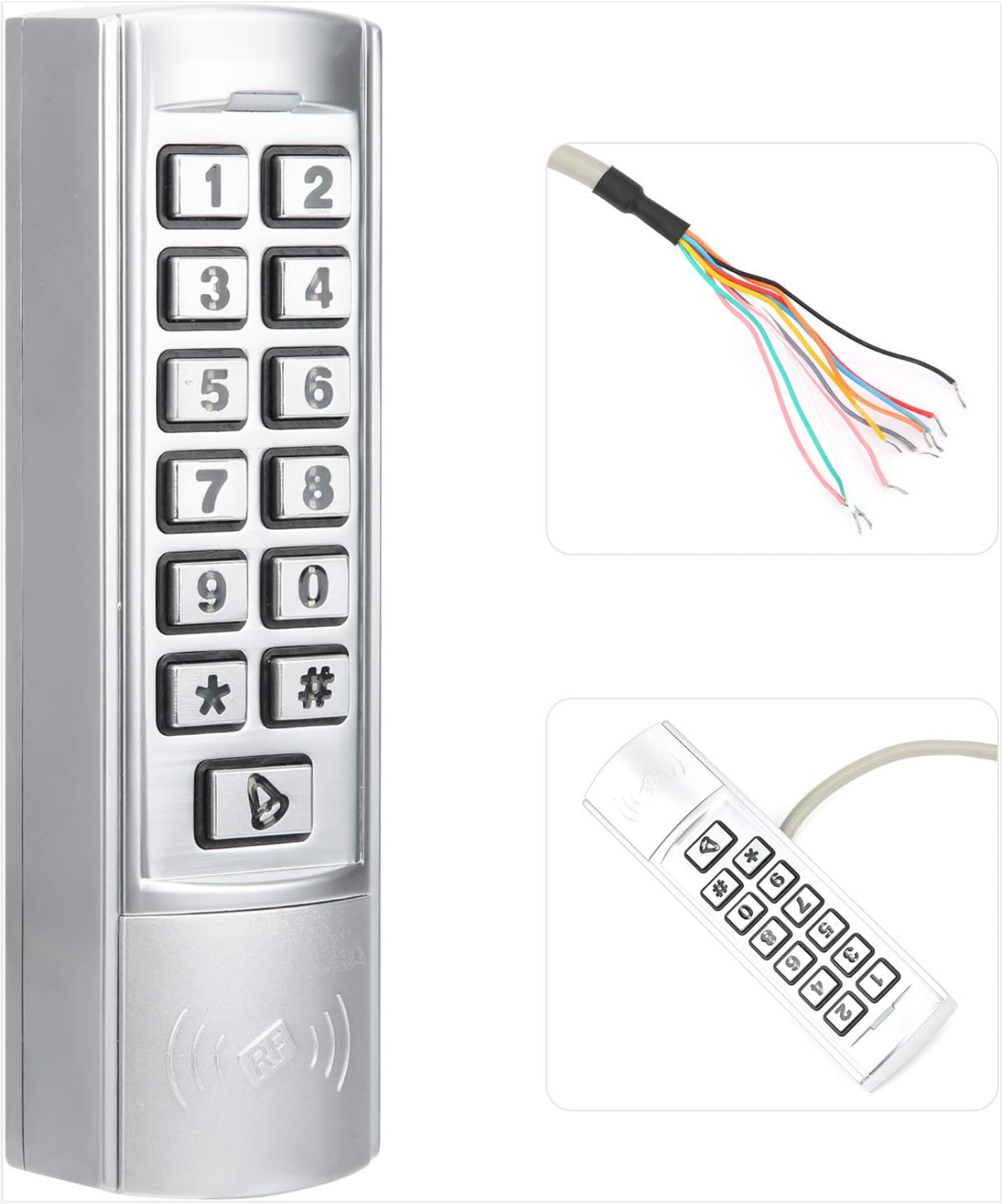


Image: The ASHATA Access Control Keypad, its multi-colored wiring harness, and an additional angled view of the keypad.

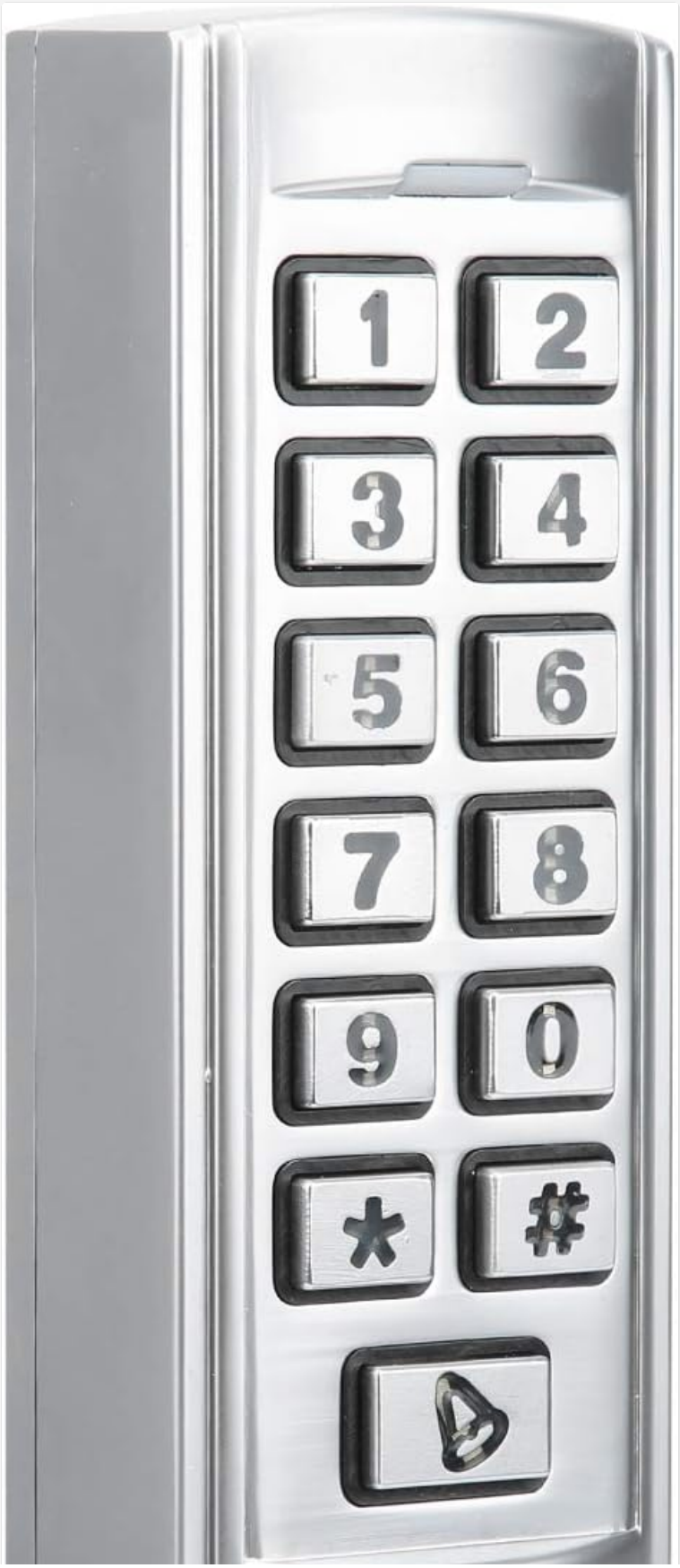
3. Product Overview

The ASHATA 125KHz Security Access Control Keypad is an advanced single-door access controller featuring a robust metal construction and a backlit keypad for enhanced visibility in low-light conditions. It supports multiple access methods and offers secure user management.

Key Features:

- **Multiple Access Methods:** Supports card, password, or a combination of card + password for door entry.

- **High User Capacity:** Stores up to 2000 users.
- **Independent Password Function:** Users can modify their own passwords.
- **Card Deletion Function:** Allows for secure removal of lost cards from the system using the keypad.
- **Anti-Dismantling Alarm:** Triggers an alarm upon illegal disassembly.
- **Output Short-Circuit Protection:** Electric lock or alarm output automatically shuts off within 100 microseconds in case of a short circuit.
- **Durable Construction:** Made from unique metal material with a backlit metal keyboard.



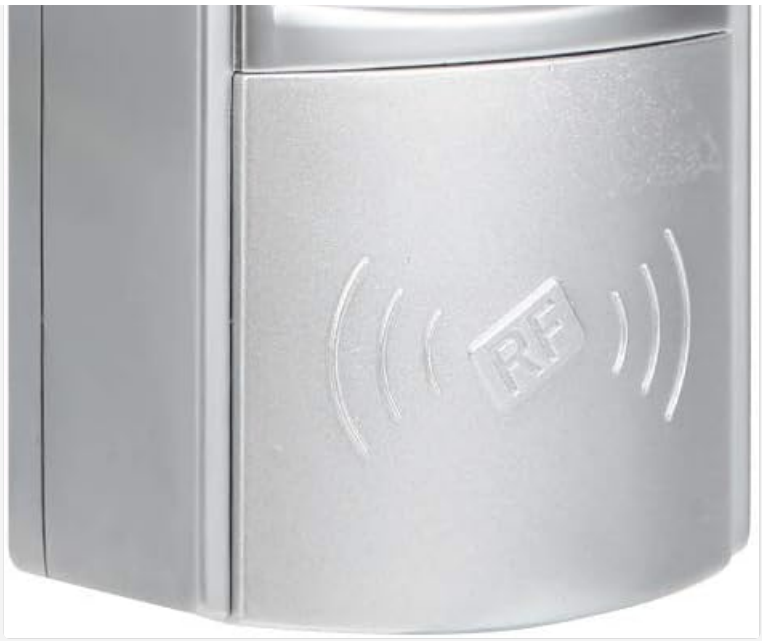


Image: Front view of the ASHATA Access Control Keypad, showing the numeric keys, star, hash, and bell buttons, along with the RFID reader area.

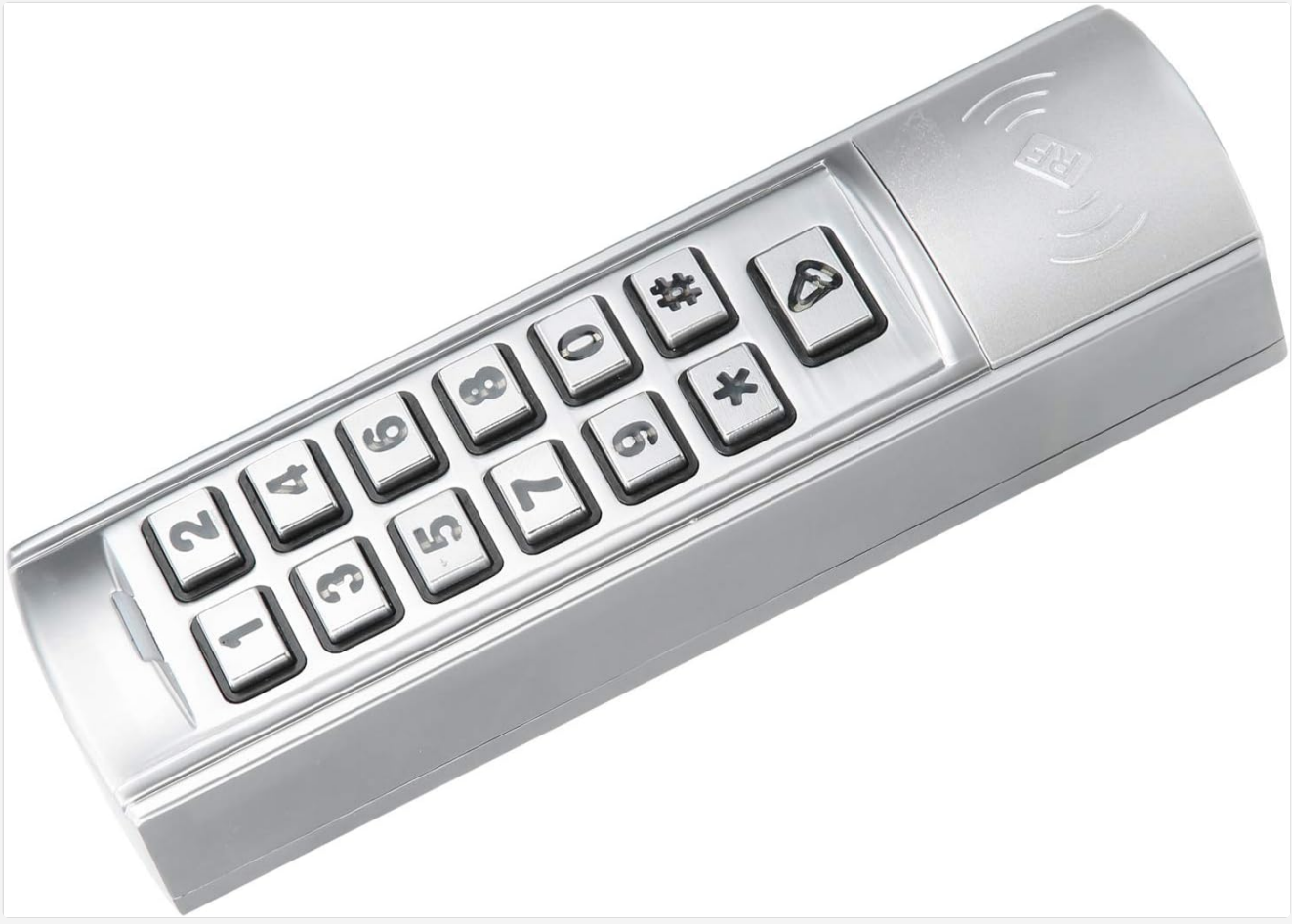
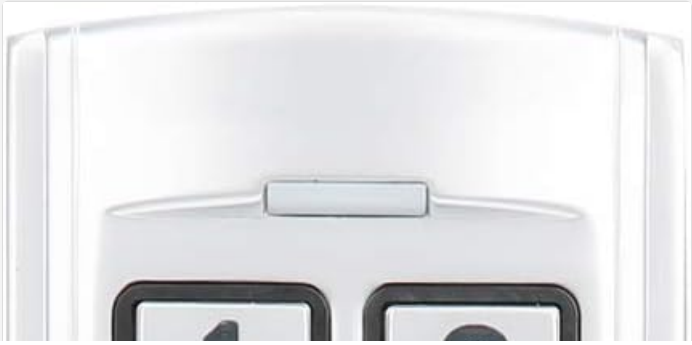
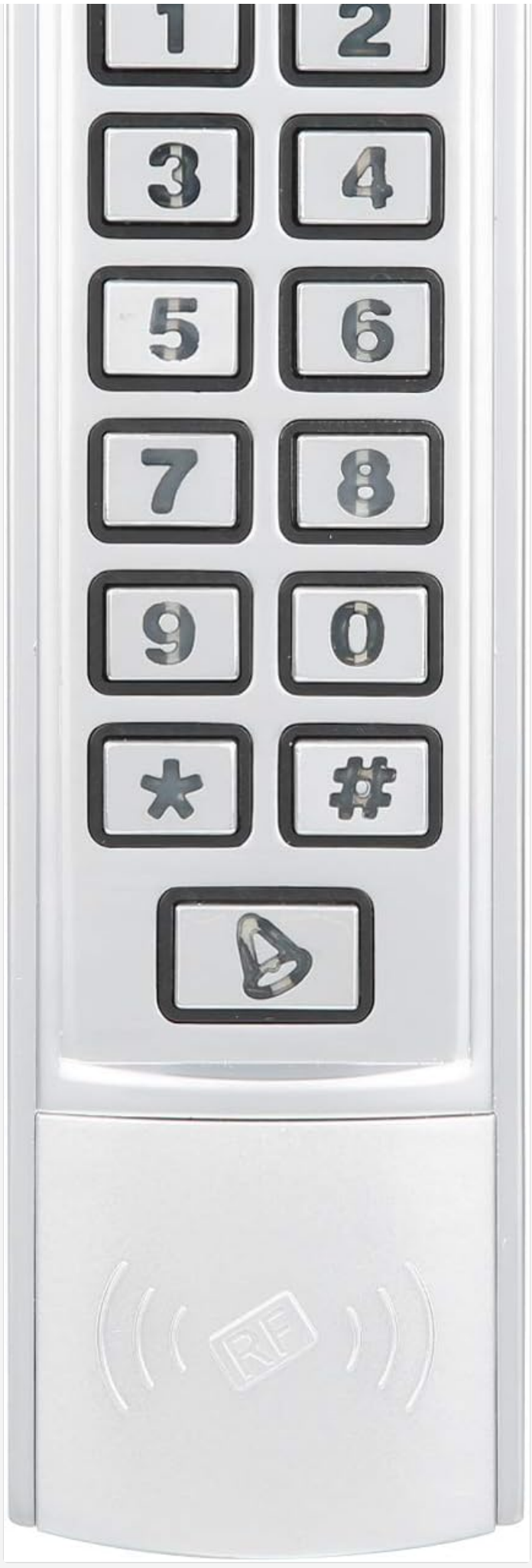


Image: Angled perspective of the ASHATA Access Control Keypad, highlighting its metallic finish and button layout.




1
2
3
4
5
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7
8
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RF

Image: A close-up front view of the ASHATA Access Control Keypad, emphasizing the individual buttons and their backlighting.

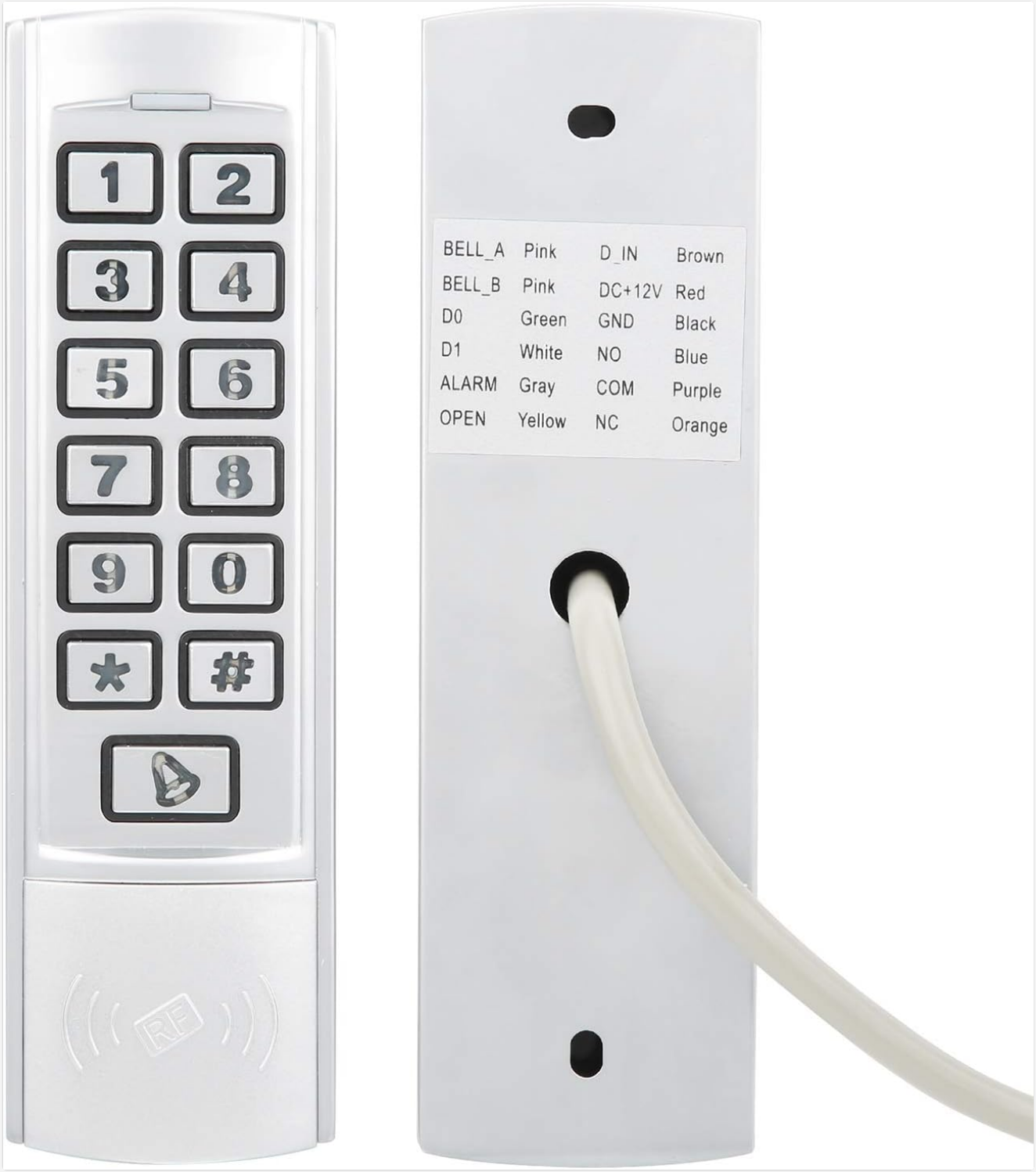

Image: Side-by-side view showing both the front of the ASHATA Access Control Keypad with its buttons and the back panel with the wiring harness connection.

4. Setup and Installation

Before beginning installation, ensure the power supply is disconnected to prevent electrical shock. This device is designed for professional installation.

4.1 Mounting the Keypad

1. Choose a suitable mounting location near the door, ensuring it is protected from direct weather exposure if installed outdoors.

2. Use the keypad as a template to mark the drilling points for mounting screws and the cable entry hole.
3. Drill holes for the mounting screws and a larger hole for the wiring harness.
4. Insert the wall anchors into the drilled holes (if mounting on masonry or drywall).
5. Feed the wiring harness through the cable entry hole.
6. Secure the keypad to the wall using the provided screws.

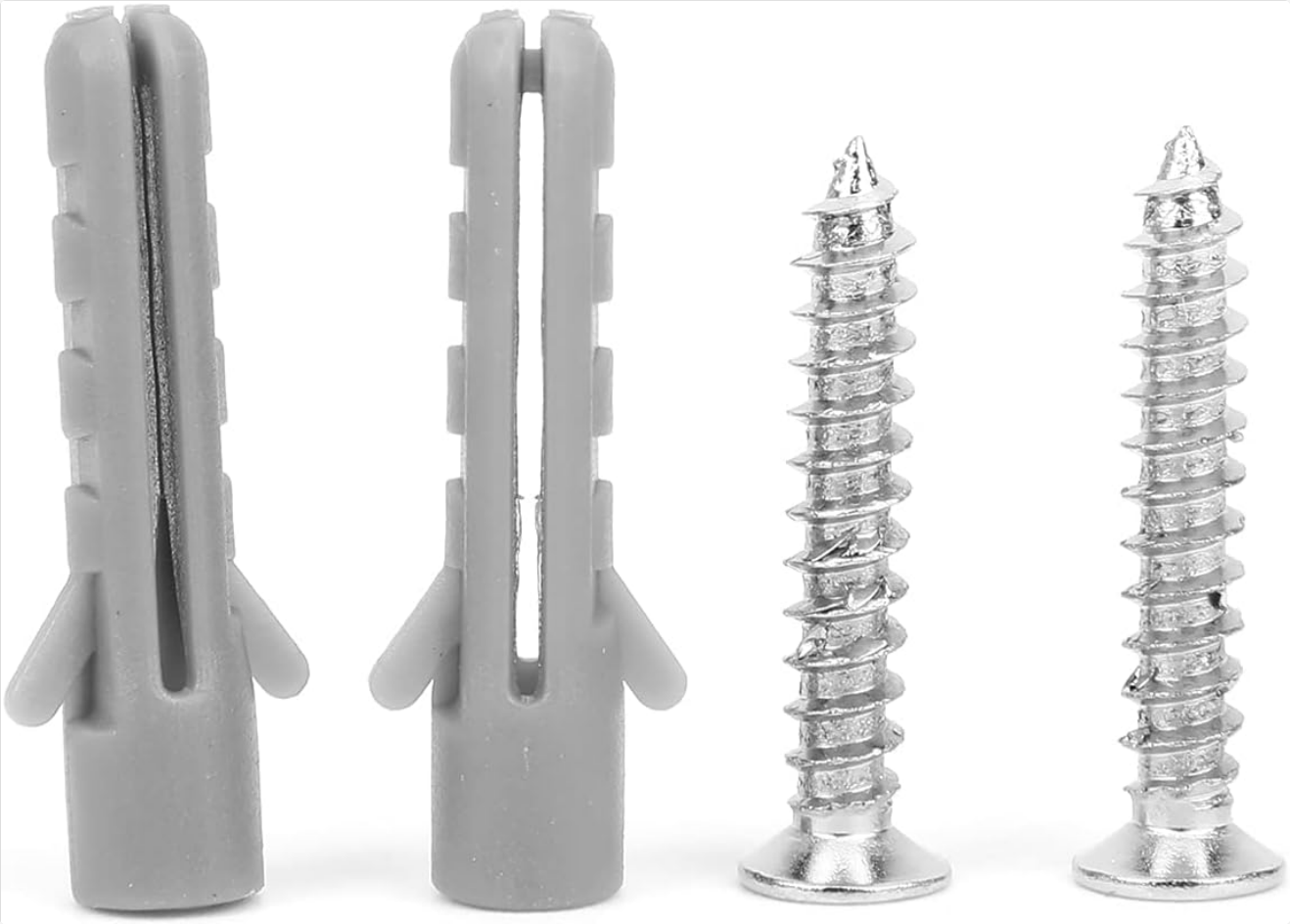

Image: Close-up of the included mounting screws and wall anchors, used for securing the keypad to a surface.

4.2 Wiring Connections

Refer to the wiring diagram below and the labels on the back of the keypad for correct connections. Incorrect wiring can damage the device or connected components.

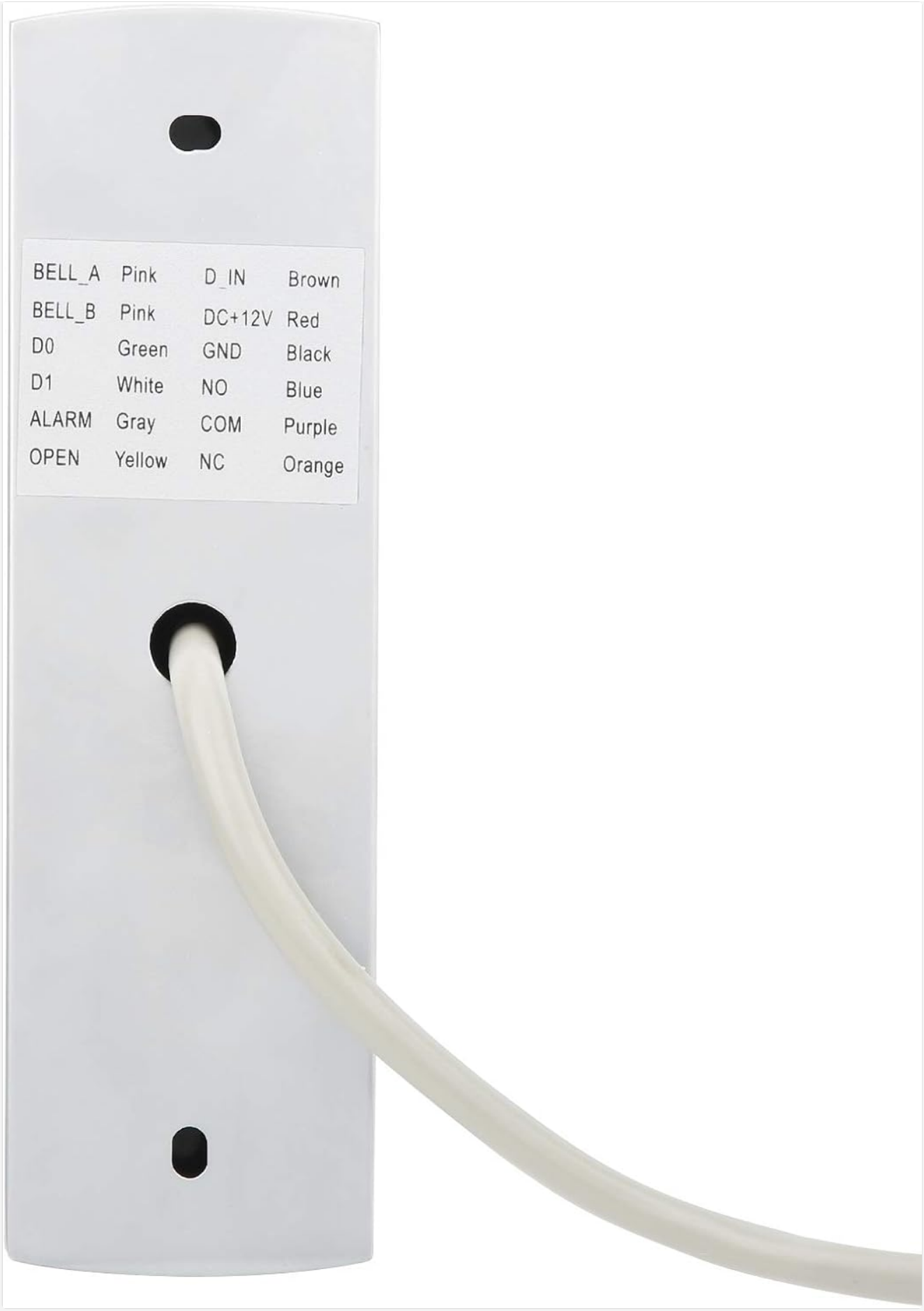

Image: Rear view of the ASHATA Access Control Keypad, clearly showing the multi-colored wiring harness and corresponding labels for each wire's function.

Wiring Diagram

Wire Color	Function	Description
Red	DC+12V	Positive power supply input (12-24V DC)
Black	GND	Ground connection
Pink (BELL_A)	Bell Output A	Connects to door bell system (one side)
Pink (BELL_B)	Bell Output B	Connects to door bell system (other side)
Green	D0	Wiegand Data 0 output
White	D1	Wiegand Data 1 output
Gray	ALARM	Alarm output trigger
Yellow	OPEN	Door open button input
Brown	D_IN	Door sensor input
Blue	NO	Normally Open contact for electric lock
Purple	COM	Common contact for electric lock
Orange	NC	Normally Closed contact for electric lock

Note: Connect the electric lock to the NO/COM or NC/COM terminals based on your lock type (fail-secure or fail-safe). Ensure proper polarity for the power supply.

4.3 Initial Power-Up

After all connections are securely made, connect the power supply. The keypad should light up, indicating it is ready for programming.

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5. Operating Instructions

The keypad operates in two modes: **Programming Mode** and **Normal Operating Mode**.

5.1 Entering/Exiting Programming Mode

- **Default Admin Password:** The factory default administrator password is **123456**.
- **Enter Programming Mode:** Press `#`, then enter the 6-digit Admin Password (e.g., `123456`), then press `#` again. The indicator light will change to confirm entry.
- **Exit Programming Mode:** Press `#`.

5.2 Changing the Admin Password

1. Enter Programming Mode.
2. Press `0`.
3. Enter the new 6-digit Admin Password.
4. Enter the new 6-digit Admin Password again to confirm.
5. Exit Programming Mode.

5.3 Adding Users (Cards/Passwords)

The keypad supports up to 2000 users. Each user is assigned a unique User ID (1-2000).

5.3.1 Adding a Card User

1. Enter Programming Mode.
2. Press `1`.
3. Enter a 3-digit User ID (e.g., `001`).
4. Present the RFID card to the keypad's reader area. The keypad will beep to confirm.
5. To add more cards, repeat step 3 and 4.
6. Exit Programming Mode.

5.3.2 Adding a Password User

1. Enter Programming Mode.
2. Press `2`.
3. Enter a 3-digit User ID.
4. Enter a 4-6 digit User Password.
5. Enter the User Password again to confirm.
6. Exit Programming Mode.

5.3.3 Adding a Card + Password User

1. Enter Programming Mode.
2. Press `3`.
3. Enter a 3-digit User ID.
4. Present the RFID card to the keypad's reader area.
5. Enter a 4-6 digit User Password.
6. Enter the User Password again to confirm.
7. Exit Programming Mode.

5.4 Deleting Users

5.4.1 Deleting by User ID

1. Enter Programming Mode.
2. Press `4`.
3. Enter the 3-digit User ID to delete.
4. Exit Programming Mode.

5.4.2 Deleting by Card Number (for lost cards)

1. Enter Programming Mode.
2. Press `5`.
3. Enter the card number (usually printed on the card or obtained from system logs).
4. Exit Programming Mode.

5.5 Door Opening Methods (Normal Operating Mode)

- **Card Only:** Present a registered RFID card to the keypad's reader area.
- **Password Only:** Enter your registered User Password, then press `#`.
- **Card + Password:** Present your registered RFID card, then enter your registered User Password, then press `#`.
- **Exit Button:** Press the connected exit button (if installed and wired to the OPEN terminal).

5.6 Adjusting Door Opening Delay Time

This setting determines how long the door remains unlocked after a successful access attempt (0-99 seconds).

1. Enter Programming Mode.
2. Press `6`.
3. Enter the desired delay time in seconds (e.g., `005` for 5 seconds).
4. Exit Programming Mode.

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6. Maintenance

- **Cleaning:** Wipe the keypad surface with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Connection Check:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion.
- **Functionality Test:** Regularly test all access methods (card, password, exit button) to ensure proper operation.
- **Backup:** Keep a record of all registered user IDs and passwords in a secure location.

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7. Troubleshooting

Problem	Possible Cause	Solution
Keypad does not power on.	No power supply or incorrect wiring.	Check power connections (Red to +12V, Black to GND). Ensure power supply is active.
Door does not unlock after valid entry.	Incorrect electric lock wiring or faulty lock. Door opening delay set to 0.	Verify NO/NC/COM connections to the electric lock. Check lock functionality. Adjust door opening delay (Section 5.6).
RFID card not recognized.	Card not registered or incorrect card type (not 125KHz ID card).	Ensure the card is registered (Section 5.3.1). Confirm it is a 125KHz ID card.
Password not accepted.	Incorrect password or password not registered.	Verify the entered password. Ensure the password is registered (Section 5.3.2/5.3.3).
Keypad alarm sounds unexpectedly.	Anti-dismantling tamper switch triggered or wiring issue.	Check if the keypad is securely mounted. Inspect wiring for shorts or loose connections.

8. Specifications

Feature	Specification
Frequency	125KHz
Storage Capacity	2000 Users
Working Voltage	12-24V DC
Working Current	Quiescent Current: <30mA
Supported Card Type	ID Card (125KHz)
Card Reading Distance	Approx. 2-6cm (0.8-2.4in)
Relative Humidity	10%-90%
Working Temperature	-20°C to +60°C (-4°F to +140°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Output Short Circuit Time	Less Than 100us
Electric Lock Output	≤3A
Door Opening Delay Time	0-99 Seconds (Adjustable)
Dimensions (L x W x H)	Approx. 140 x 58 x 25mm (5.5 x 2.3 x 0.98in)

9. Warranty and Support

This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation provided at the time of purchase or contact ASHATA customer support.
If you encounter any issues or require technical assistance, please contact your retailer or the manufacturer directly. Please have your product model number (RichuIYlmyLmo0) and purchase information ready when contacting support.
For more information, you may visit theASHATA Store on Amazon.