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UHPPOTE UT0111-301A

UHPPOTE RFID Door Access Control Keypad Card Reader

Model: UT0111-301A

Brand: UHPPOTE

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your UHPPOTE RFID Door Access Control Keypad Card Reader. Please read this manual thoroughly before installation and use to ensure proper functionality and safety. This device is designed to provide secure access control using RFID cards, PIN codes, or a combination of both.

The keypad is suitable for mounting in various environments, offering reliable performance for your access control needs.





Front view of the UHPPOTE RFID Door Access Control Keypad Card Reader, showing the numeric keypad and indicator lights.

Key Features

- Full programming capabilities directly from the keypad.
- Suitable for mounting either indoor or outdoor in harsh environments.
- Internal buzzer for feedback and multi-color LED indicators (red, blue, green) for working status.
- Supports Card, PIN, Card + PIN, or Card or PIN access modes.
- Offers Digital Keypad Controller (DKC) or Wiegand 26 bit output for universal compatibility with access control systems.
- Outdoor-rated 12-key plastic keypad with silicone rubber keys.

- Adjustable door open time.
- Very low power consumption.
- Backlit keys for enhanced visibility in low light conditions.
- Lock output current short circuit protection.
- Integrated bell function with support for an external bell.
- Audible keystroke echo.



Close-up view of the keypad demonstrating the blue backlighting for improved visibility.

Package Contents

Verify that all items are present in your package:

- 1 x UHPPOTE RFID Door Access Control Keypad Card Reader (Model UT0111-301A)

Technical Specifications

Specification	Value
Model Number	UT0111-301A
Operating Voltage	12 Volts DC
Material	Zinc Alloy
Product Dimensions	4.72 x 2.28 x 0.87 inches (120 x 58 x 22 mm)
Item Weight	13 ounces (0.37 Kilograms)
RFID Frequency	125KHz
Wiegand Interface	Wiegand 26 bit input/output
Display Type	LED Indicators
UPC	701385688004

Installation and Setup

Mounting

The keypad is designed for surface mounting. Ensure the mounting surface is flat and stable. Use the provided mounting screws to secure the backplate to the desired location. Once the backplate is secured, align the keypad with the backplate and attach it firmly.



Exploded view illustrating the separate backplate for mounting and the main keypad unit.

Wiring Diagram

Carefully follow the wiring diagrams below for proper connection to your access control system. Ensure power is disconnected before performing any wiring.



Wiring diagram for a complete access control system setup, including power supply, electric lock, and exit button.



Wiring diagram for connecting the keypad to an external access controller using the Wiegand 26 bit interface.

Wire Color Definitions:

- **RED:** +12V DC Power Input
- **BLACK:** GND (Ground)
- **GREEN:** D0 (Wiegand Data 0)
- **WHITE:** D1 (Wiegand Data 1)
- **BROWN:** NC (Normally Closed - Lock Output)
- **GREY:** COM (Common - Lock Output)
- **PINK:** NO (Normally Open - Lock Output)
- **PURPLE:** PUSH (Exit Button Input)
- **YELLOW:** OPEN (Door Open Sensor Input)
- **BLUE:** BELL (Bell Output)
- **LIGHT BLUE:** BELL (Bell Output)
- **ORANGE:** LED-BP (LED Backlight Power)

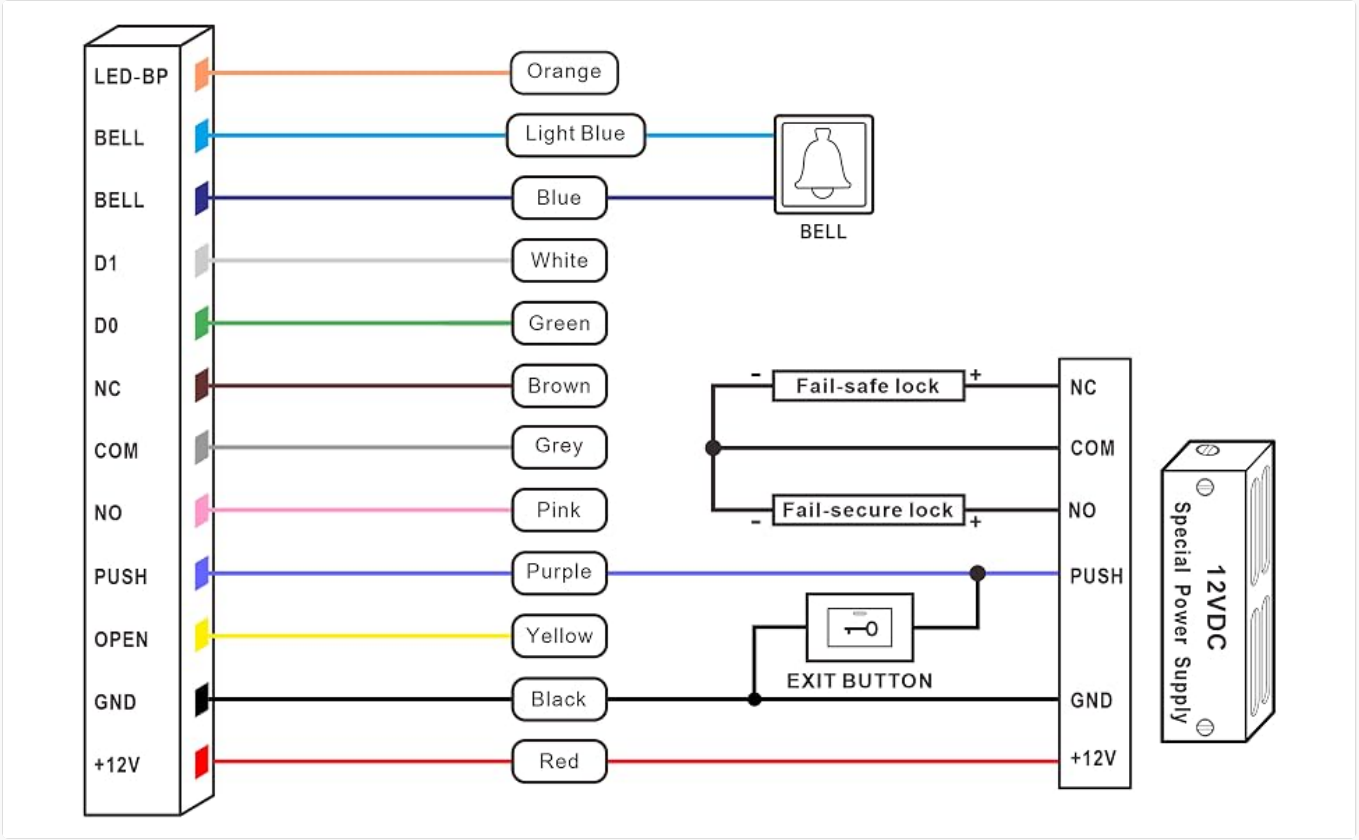
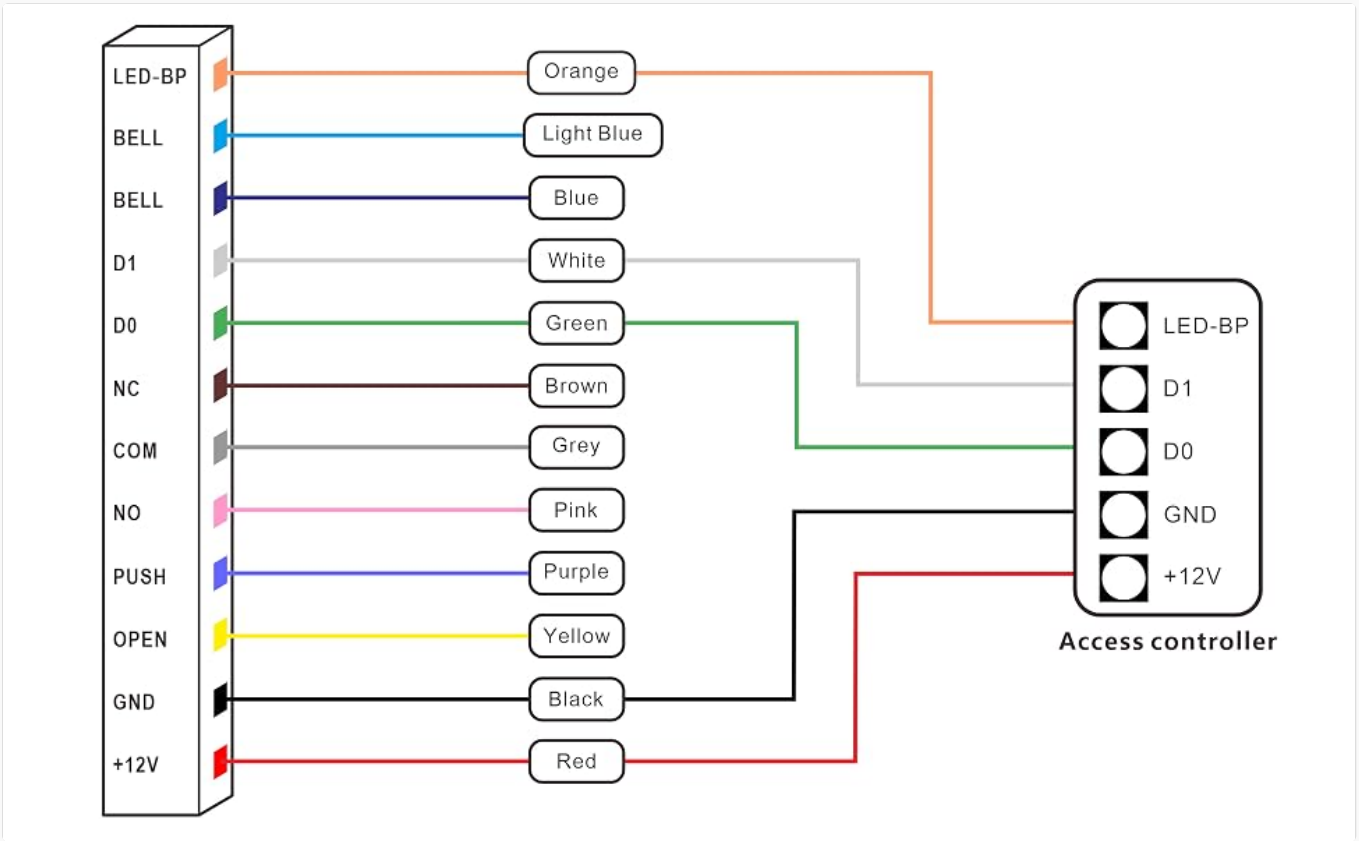


Illustration of the keypad integrated into a door access system with an external control unit.

Operation Guide

Basic Operation

To gain access, enter your valid PIN code followed by the '#' key, or present a registered RFID card to the reader. The keypad will provide audible and visual feedback (LED indicators) upon successful or unsuccessful access attempts.



A user demonstrating interaction with the keypad for access.

Programming Mode

To enter programming mode, press * followed by the default master code (factory default:**123456**) and then **#**. The LED indicator will change to confirm entry into programming mode. To exit programming mode, press *.

Changing Master Code

1. Enter Programming Mode.
2. Press **0** then **#**.
3. Enter your new 4-6 digit master code, then**#**.
4. Re-enter the new master code, then**#** to confirm.
5. Exit Programming Mode.

User Management (Adding/Deleting Users)

Users can be added as RFID cards, PIN codes, or a combination.

Adding a User Card:

1. Enter Programming Mode.
2. Press **1** then **#**.
3. Present the RFID card to the reader. The keypad will beep to confirm registration.
4. To add more cards, repeat step 3.
5. Exit Programming Mode.

Adding a User PIN:

1. Enter Programming Mode.
2. Press **2** then **#**.
3. Enter a 4-digit user ID (e.g., 0001 for ID 1), then**#**.
4. Enter the 4-digit user PIN, then**#**.
5. Re-enter the 4-digit user PIN, then**#** to confirm.
6. To add more PINs, repeat steps 3-5.
7. Exit Programming Mode.

Deleting a User Card/PIN:

1. Enter Programming Mode.
2. Press **3** then **#**.
3. Enter the user ID (e.g., 0001) or present the card to be deleted, then**#**.
4. Exit Programming Mode.

Setting Door Open Time

This setting determines how long the door remains unlocked after a valid access.

1. Enter Programming Mode.
2. Press **4** then **#**.
3. Enter the desired open time in seconds (01-99), then**#**. (e.g., 05 for 5 seconds).

4. Exit Programming Mode.

Wiegand Mode Configuration

The device ships in "DKC" (Digital Keypad Controller) mode by default. To enable Wiegand output for connection to an external controller, follow these steps:

1. Enter Programming Mode.
2. Press **82** then **#**.
3. Press * to confirm the change to Wiegand mode.
4. Exit Programming Mode.

Maintenance

The UHPPOTE RFID Door Access Control Keypad is designed for durability and requires minimal maintenance. To ensure optimal performance and longevity:

- **Cleaning:** Wipe the keypad surface with a soft, damp cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or electronic components.
- **Environmental Conditions:** While designed for outdoor use, avoid prolonged exposure to extreme temperatures or direct, high-pressure water jets. Ensure proper sealing during installation to prevent water ingress.
- **Cable Inspection:** Periodically inspect the wiring connections for any signs of wear, corrosion, or damage. Ensure all connections remain secure.

Troubleshooting

Problem	Possible Cause	Solution
Keypad does not power on.	No power supply; incorrect wiring; faulty power supply.	Check power connections (+12V and GND). Ensure power supply is active and providing 12V DC. Verify wiring against the diagram.
RFID card not reading.	Card not registered; incompatible card type; keypad in incorrect mode.	Ensure the card is registered in the keypad's memory. This keypad is compatible with 125KHz EM cards; it is not compatible with UHF or encrypted cards (e.g., HID, Indala). Verify the keypad is not in Wiegand mode if using standalone.
PIN code not working.	Incorrect PIN; PIN not registered; incorrect entry format.	Verify the PIN code is correct and registered. Ensure the user ID for PINs is entered in a 4-digit format (e.g., 0001).
Door does not unlock after valid access.	Incorrect lock wiring; lock type mismatch (NO/NC); faulty lock.	Check lock wiring (NO/NC/COM) against the lock's requirements and the keypad's diagram. Ensure the lock is functional.

Problem	Possible Cause	Solution
Keypad beeps continuously or LED blinks abnormally.	Error state; short circuit on lock output.	Refer to the LED indicator status in the full manual (if available). Check for any short circuits on the lock output wires. Power cycle the device.
Wiegand output not detected by controller.	Keypad in DKC mode; incorrect Wiegand wiring.	Ensure the keypad is configured for Wiegand mode (refer to 'Wiegand Mode Configuration' section). Verify D0 and D1 wiring to the controller.

Warranty Information

UHPPOTE products are manufactured to high quality standards. This product is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official UHPPOTE website.

Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact UHPPOTE customer support. You can find contact information on the official UHPPOTE website or through your point of purchase.

Online Resources: For additional support and updated information, please visit theUHPPOTE Store on Amazon or the manufacturer's official website.

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Details

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