UHPPOTE UT0711--02B10

UHPPOTE EM4100 125KHz RFID Keyfob Instruction Manual

Model: UT0711-02B10

1. INTRODUCTION

The UHPPOTE EM4100 125KHz RFID Keyfob is a read-only proximity tag designed for various access control and identification applications. Each keyfob is pre-programmed with a unique ID number, which is printed on its surface. These keyfobs are compatible with standard EM ID door access devices and RFID readers operating at 125KHz.

Image 1.1: UHPPOTE EM4100 125KHz RFID Keyfob. This image displays the blue keyfob with the brand name and product type.

2. PRODUCT FEATURES

- **Frequency:** 125KHz
- **Chip Type:** EM4100, TK4100 and compatible
- **Functionality:** Read-only, pre-programmed with unique ID
- **Material:** PVC, ABS
- **Durability:** Waterproof and dustproof
- **Detection Distance:** 2-10mm (0.08-0.39 inches)
- **Color:** Blue

Warm Tips:

Can't compatible with UHF reader and encrypted readers, for example: HID,Indala,Cobra,APCiK , Paradox,Radio,Honeywell,Kaba,Isonas,etc.

Image 2.1: Close-up view of the UHPPOTE EM4100 RFID Keyfob, showing the unique ID number printed on its surface.

3. SETUP

The UHPPOTE EM4100 125KHz RFID Keyfobs are read-only and do not require programming themselves. Setup primarily involves integrating them with a compatible 125KHz EM ID access control system or RFID reader.

1. **Verify Reader Compatibility:** Ensure your existing access control system or RFID reader operates at 125KHz and supports EM4100 or TK4100 compatible tags.

2. **Enroll Keyfobs:** Follow the specific instructions provided with your access control system or RFID reader to enroll the unique ID number of each keyfob into the system's database. The ID number is printed on the keyfob.

3. **Test Functionality:** After enrollment, test each keyfob by presenting it to the reader to confirm it grants access or performs the intended function within your system.

Important Compatibility Note: These keyfobs are **not compatible** with UHF readers or encrypted card systems such as HID, Indala, Cobra, APCiK, Paradox, Radio, Honeywell, Kaba, Isonas, etc. Attempting to use them with incompatible systems will result in failure to read.

Image 3.1: Visual warning regarding incompatible RFID reader types for the EM4100 keyfob.

4. OPERATING INSTRUCTIONS

To operate the UHPPOTE EM4100 125KHz RFID Keyfob:

1. **Present Keyfob:** Hold the keyfob within the detection range of a compatible 125KHz EM ID RFID reader. The typical detection distance is 2-10mm.

2. **Wait for Confirmation:** The reader will typically provide an audible beep, a visual indicator (e.g., LED light change), or both, to confirm a successful read.

3. **Access Granted:** If the keyfob's ID is recognized and authorized by the access control system, access will be granted (e.g., a door will unlock, attendance will be logged).

Image 4.1: Back view of the UHPPOTE EM4100 RFID Keyfob, showing its smooth surface and key ring attachment point.

5. MAINTENANCE

The UHPPOTE EM4100 125KHz RFID Keyfobs are designed for durability and require minimal maintenance.

- **Cleaning:** If the keyfob becomes dirty, wipe it with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Protection:** While waterproof and dustproof, avoid prolonged submersion in water or exposure to extreme temperatures to ensure longevity.
- **Storage:** Store keyfobs in a cool, dry place when not in use.

6. TROUBLESHOOTING

- **Keyfob Not Reading:**

  - Ensure the keyfob is within the reader's detection range (2-10mm).
  - Verify the reader is powered on and functioning correctly.
  - Confirm the keyfob's ID has been correctly enrolled in the access control system.
  - Check for electromagnetic interference near the reader.

- **Incompatibility Issues:**

  - These keyfobs are 125KHz EM4100/TK4100 compatible. They will not work with UHF readers or encrypted systems (e.g., HID, Indala, Cobra). Refer to Section 3 for a detailed list of incompatible systems.
  - If your system uses a different frequency or encryption, these keyfobs are not suitable.

- **Physical Damage:**

  - Inspect the keyfob for visible damage. While durable, severe impact can affect functionality.

7. SPECIFICATIONS

Specification	Detail
Model Number	UT0711--02B10
Frequency	125KHz
Chip Type	EM4100, TK4100 and compatible
Function	Read Only
Capacity	64 bits
Material	PVC, ABS
Color	Blue
Detection Distance	2-10mm / 0.08-0.39in
Item Weight	1.45 ounces (approx. 41 grams for 10 keyfobs)
Product Dimensions	1.57 x 1.26 x 0.16 inches
Operating Temperature	20 Degrees Celsius (typical)

8. WARRANTY AND SUPPORT

For warranty information, technical support, or further inquiries regarding your UHPPOTE EM4100 125KHz RFID Keyfobs, please contact the seller or manufacturer directly. You can visit the official UHPPOTE store for more information:

Visit the UHPPOTE Store