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HFeng EM4100/TK4100

HFeng 125KHz RFID Access Control Keyfobs User Manual

Model: EM4100/TK4100

1. INTRODUCTION

Thank you for choosing HFeng 125KHz RFID Access Control Keyfobs. These keyfobs are designed for proximity door control access systems, offering a reliable and convenient solution for various applications. Each keyfob is waterproof, made from high-quality ABS material, and contains a unique, pre-programmed ID number. They are compatible with standard 125KHz card readers and are intended for read-only applications.

2. PRODUCT FEATURES

- **Material:** Durable ABS waterproof material.
- **Chip Type:** EM4100/TK4100.
- **Operating Frequency:** 125KHz.
- **Functionality:** Read-only, not writable.
- **Unique ID:** Each keyfob features a unique, pre-assigned ID number printed on its surface.
- **Portability:** Equipped with a metal keyring for easy attachment.
- **Application:** Suitable for apartment, office, park, and other access control systems.
- **Package:** Typically supplied in packs of 100 units.

3. SETUP

The HFeng 125KHz RFID Keyfobs are designed for straightforward integration into existing or new access control systems. As they are read-only devices, no programming is required for the keyfobs themselves.

1. **System Compatibility:** Ensure your access control system or card reader operates at a 125KHz frequency. These keyfobs are not compatible with other frequencies (e.g., 13.56MHz).
2. **Registering Keyfobs:** To grant access, the unique ID number printed on each keyfob must be registered with your specific access control system. Refer to your access control system's manual for instructions on how to add new user credentials.
3. **Testing:** After registration, test each keyfob with the reader to confirm proper functionality before distribution.



Image: A single blue HFeng 125KHz RFID keyfob with a metal keyring, displaying its unique ID number.

4. OPERATING INSTRUCTIONS

Using the HFeng 125KHz RFID Keyfobs is simple and intuitive.

1. **Present the Keyfob:** Hold the keyfob within the reading range of a compatible 125KHz RFID reader. The typical reading distance is 0-10 cm (0-4 inches).
2. **Reader Response:** The access control reader will detect the keyfob's unique ID. Upon successful recognition and authorization by the system, the reader will typically provide a visual (e.g., LED indicator) or audible (e.g., beep) confirmation.
3. **Access Granted:** If authorized, the door or gate connected to the access control system will unlock or open.



Image: Two blue HFeng 125KHz RFID keyfobs with metal keyrings, illustrating their design and unique ID.

5. MAINTENANCE

These keyfobs are designed for durability and require minimal maintenance.

- **Cleaning:** Wipe the keyfobs with a soft, damp cloth if they become dirty. Avoid using harsh chemicals or abrasive cleaners.
- **Water Resistance:** The keyfobs are waterproof, making them suitable for outdoor use or exposure to moisture. However, prolonged submersion in water is not recommended.
- **Storage:** Store keyfobs in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Physical Damage:** Avoid dropping, bending, or subjecting the keyfobs to excessive force, as this may damage the internal chip.

6. TROUBLESHOOTING

If you encounter issues with your HFeng 125KHz RFID Keyfobs, consider the following:

- **Keyfob Not Recognized:**
 - Ensure the keyfob is presented within the reader's optimal range (0-10 cm).
 - Verify that the access control reader is a 125KHz compatible device.

- Confirm that the keyfob's unique ID has been correctly registered and activated in your access control system.
- Check for any physical damage to the keyfob.
- **Intermittent Reading:**
 - Ensure there are no metallic objects or other RFID devices interfering with the reading process.
 - Try presenting the keyfob at a slightly different angle or distance to the reader.

7. SPECIFICATIONS

Brand	HFeng
Model	EM4100/TK4100
Material	ABS Waterproof
Color	Blue
Working Frequency	125KHz
Function	Read Only (Not Writable)
Reading Distance	0-10 cm
Item Weight (100 pcs)	0.45 Kilograms



Image: A pack of 100 blue HFeng 125KHz RFID keyfobs.

8. WARRANTY AND SUPPORT

Specific warranty details for this product are not provided in the available information. For any warranty claims, technical support, or further inquiries, please contact your original point of purchase or the manufacturer, HFeng, directly. Please refer to the product packaging or the seller's information for contact details.