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› YARONGTECH K2000 125kHz RFID Keypad Access Control System User Manual

YARONGTECH K2000

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USER MANUAL

Product Overview

The YARONGTECH K2000 is a standalone 125kHz RFID Keypad Access Control System designed for secure entry management. It supports up to 2000 users and features a numeric keypad for PIN entry, an RFID reader for keyfob/card access, and a doorbell function. This manual provides detailed instructions for installation, operation, and maintenance of the system.



The image displays the YARONGTECH K2000 RFID Keypad Access Control System, a square-shaped unit with a numeric keypad (0-9, *, #) and indicators for 'POWER' and 'OK'. It also features an RFID card reader icon and a doorbell icon. Surrounding the main unit are 10 blue RFID keyfobs, each with a metal keyring, ready for user programming.

Specifications

Feature	Detail
Manufacturer	YARONGTECH
Model Number	K2000
Part Number	C4003
Frequency	125kHz
User Capacity	2000 Users
Access Methods	RFID Keyfob/Card, PIN Code
Special Features	Keyless Entry, Doorbell Function
Included Components	Keypad, 10 Keyfobs
Batteries Required	No

Setup and Installation

Proper installation is crucial for the optimal performance and security of your access control system. It is recommended that installation be performed by a qualified technician.

1. **Mounting:** Choose a suitable location near the door, ensuring it is protected from direct weather exposure if installed outdoors. Securely mount the keypad unit to the wall using appropriate screws and anchors.
2. **Wiring:** Connect the power supply (DC 12V), electric lock, exit button, and doorbell according to the wiring diagram provided in the product packaging. Ensure all connections are secure and insulated.
3. **Power On:** Apply power to the system. The 'POWER' indicator should illuminate.
4. **Initial Programming:** Refer to the detailed programming instructions in the separate programming guide for setting up the master code and adding initial user cards/PINs.

Operating Instructions

The K2000 system offers multiple ways to grant access.

- **Access with RFID Keyfob/Card:** Present a registered 125kHz RFID keyfob or card to the RFID reader area on the keypad. If recognized, the 'OK' indicator will light up, and the door will unlock for a preset duration.
- **Access with PIN Code:** Enter your registered PIN code (typically 4-6 digits) followed by the '#' key. If the PIN is correct, the 'OK' indicator will light up, and the door will unlock.
- **Doorbell Function:** Press the 'DOOR BELL' button on the keypad to activate the connected doorbell.
- **Adding/Deleting Users:** These functions are performed in programming mode. Consult the separate programming guide for detailed steps on how to enter programming mode, add new user cards/PINs, and delete existing ones.

Maintenance

Regular maintenance helps ensure the longevity and reliable operation of your access control system.

- **Cleaning:** Wipe the keypad surface with a soft, dry cloth. Avoid using abrasive cleaners or solvents that could damage the finish or electronic components.
- **Cable Inspection:** Periodically check all wiring connections for signs of wear, damage, or loose connections. Ensure all cables are properly secured.
- **Functionality Test:** Regularly test the system's functionality, including RFID reading, PIN entry, and door unlocking, to ensure it operates correctly.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates that may improve performance or add new features.

Troubleshooting

If you encounter issues with your K2000 system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Keypad not powering on	No power supply; loose wiring	Check power connection and ensure 12V DC supply. Verify all wiring is secure.

RFID keyfob not recognized	Keyfob not registered; incorrect frequency; damaged keyfob	Ensure keyfob is registered in the system. Verify it is a 125kHz keyfob. Try another keyfob.
PIN code not granting access	Incorrect PIN; PIN not registered	Double-check the PIN entry. Ensure the PIN is correctly registered in the system.
Door does not unlock	Faulty lock; incorrect wiring to lock; insufficient power to lock	Check the electric lock's functionality. Verify wiring between keypad and lock. Ensure power supply meets lock requirements.

Warranty and Support

Information regarding product warranty and specific customer support contacts is not provided within this manual. Please refer to the product packaging, purchase documentation, or the official YARONGTECH website for details on warranty coverage and technical support options.