

Diginex 1

Diginex HFeng IP68 Waterproof Outdoor Door Access Control System Kit User Manual

Model: 1

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Diginex HFeng IP68 Waterproof Outdoor Door Access Control System Kit. This system is designed to provide secure and convenient access management for various door types, including metal, wooden, and glass doors.

Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

2. PRODUCT OVERVIEW AND COMPONENTS

The HFeng Access Control System Kit includes the following main components:

- **RFID Access Control Keypad:** The primary interface for user authentication.
- **180KG Electric Magnetic Lock:** Provides secure locking mechanism.
- **Power Supply:** Converts AC to DC power for the system.
- **Door Exit Button:** Allows for easy exit from the secured area.
- **RFID Keyfobs:** Pre-programmed cards for convenient access.



Figure 2.1: Overview of the HFeng Access Control System Kit components, including the keypad, magnetic lock, power supply, exit button, and RFID keyfobs.



Figure 2.2: Diagram illustrating the interconnected components of the access control system, showing the access controller, magnetic lock, power supply, exit button, and RFID key cards in a typical door setup.

3. SPECIFICATIONS

Table 3.1: Product Specifications

Component	Specification	Value
	User Capacity	3000
	Material	ABS high quality material, Touch Screen Panel
	Waterproof Level	IP68 (Outdoor use)
	Working Frequency	125KHz

Component	Specification	Value
Access Control Keypad	Card Reading Type	EM compatible card
	Identification Method	Card, Password, Card + Password
	Backlight	Blue backlight
	Wiegand Signal	WG26/34 input/output
	Working Voltage	DC 12V
	Dimensions	140*70*16mm
180KG Magnetic Lock	Material	Aluminum alloy shell + iron plate
	Holding Force	180KG / 350lbs
	Working Voltage	DC12V
	Working Mode	Locked when power on, unlocked when power off (NC type)
	Suitable for	Metal, Wooden, Glass doors
	Dimensions	172mm (L) x 40mm (W) x 21mm (H) for lock body; 130mm (L) x 32mm (W) x 11mm (H) for armature plate
Power Supply	AC Input	AC100V-260V / 50-60HZ
	DC Output	DC12V / 3A
	Time Delay	0-15 seconds adjustable
	Dimensions	140*67*33mm
Door Exit Button	Material	Hard Plastic
	Maximum Power Rating	36V DC 3A-5A output
	Dimensions	86*86mm
RFID Keyfobs	Material	ABS
	Operating Frequency	125kHz
	Detection Range	0-10cm
	Quantity	10 pieces (pre-programmed, unique ID)



Figure 3.1: Detailed dimensions of the Access Control Keypad (140mm x 70mm x 16mm).

Wiring Diagram

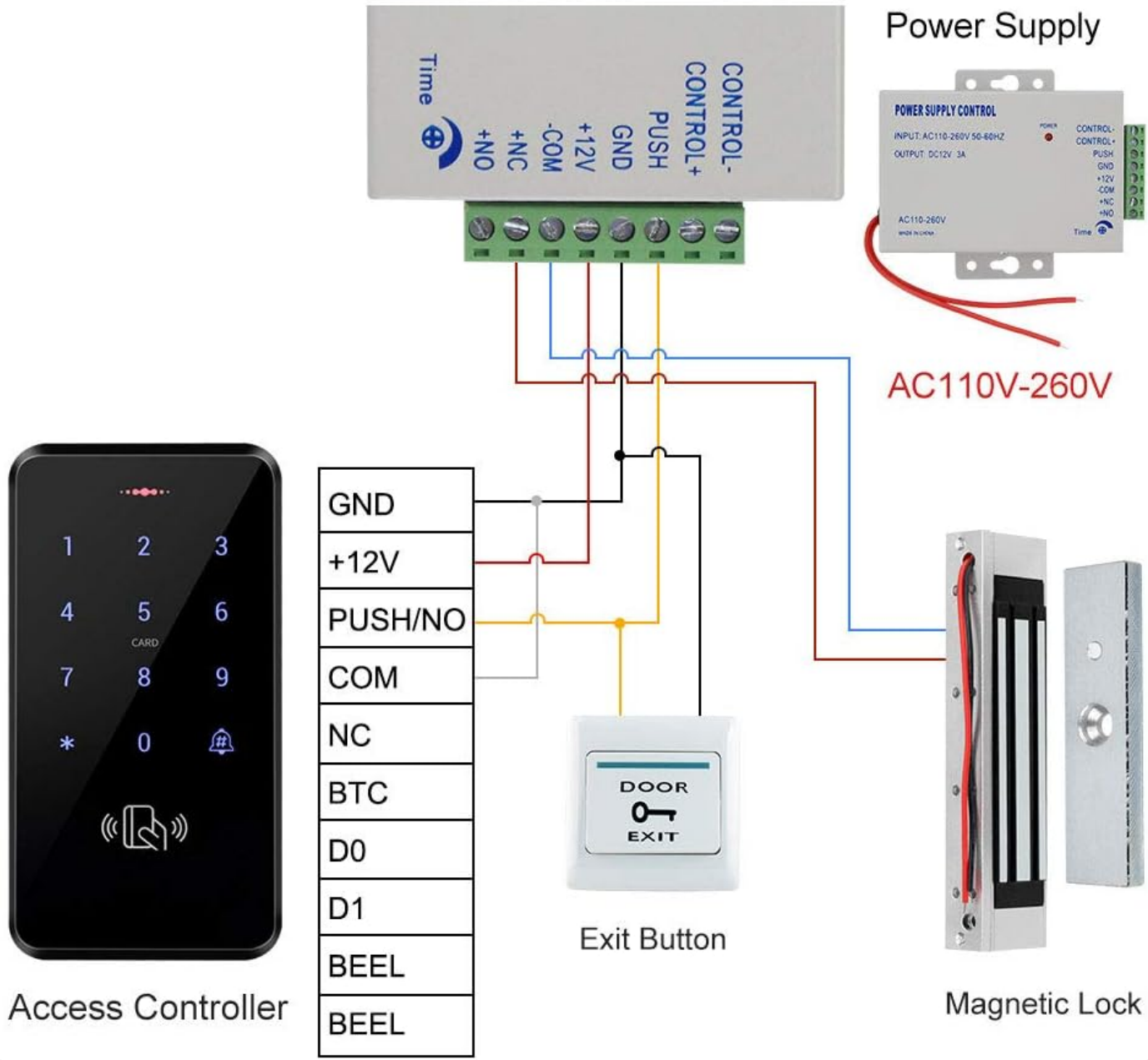


Figure 3.2: Dimensions of the 180KG Electric Magnetic Lock and its armature plate.

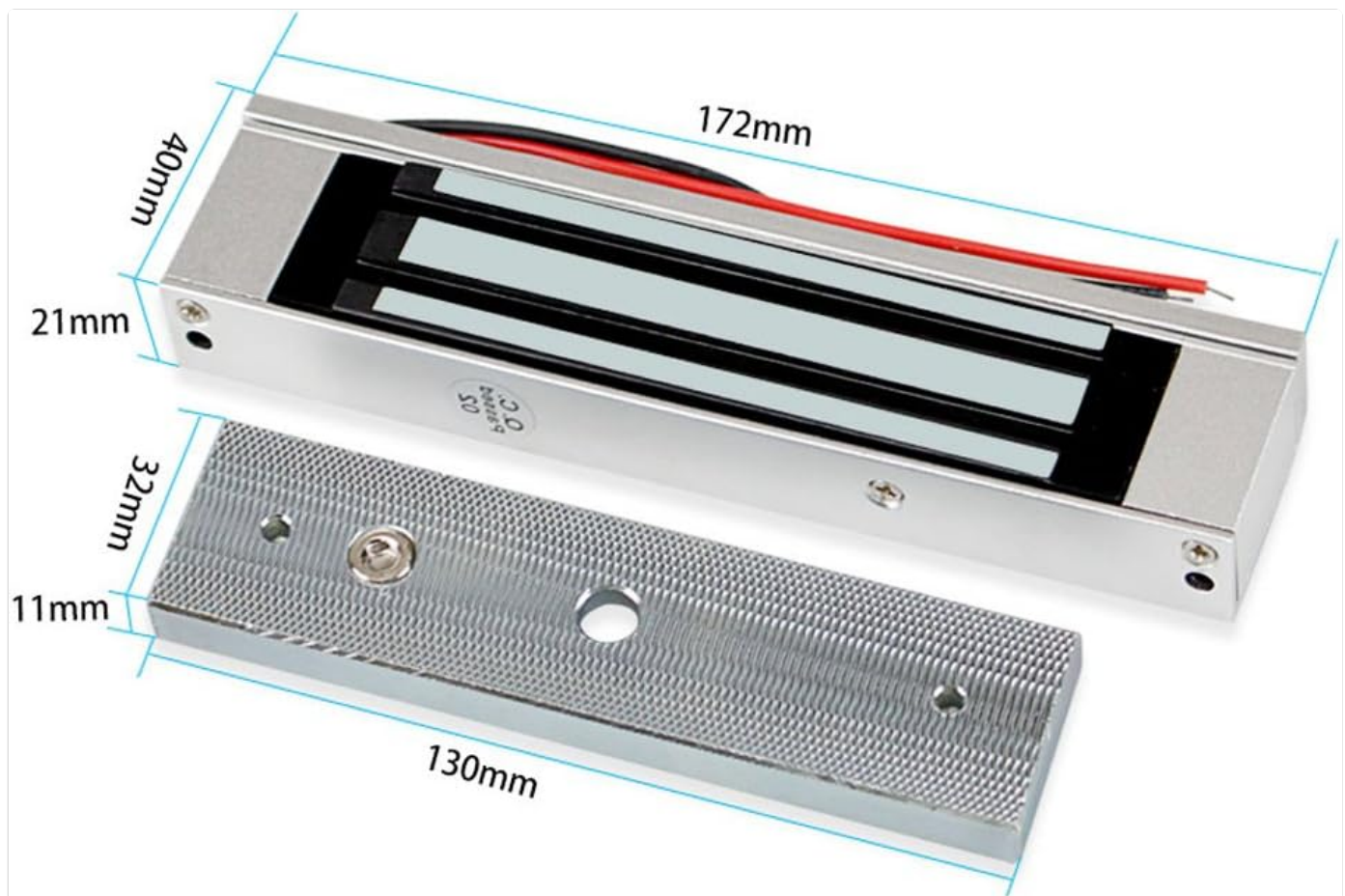


Figure 3.3: Dimensions of the Power Supply (140mm x 67mm x 33mm).

Door Exit Button

Material: Hard Plastic

Maximum Power Rating: 36V DC 3A—5A output

Support both NC Mode (Fail Safe Mode) &

NO Mode (Fail Secure Mode)

Dimension: 85X85MM (L / W)



RFID Keyfobs

Material: high quality ABS

Working frequency: 125KHz

Reading range: 0-10cm

Color: blue

Quantity: 10 pieces

Each card pre programmed and have a unique identity number printed on



Figure 3.4: Details and dimensions of the Door Exit Button (86mm x 86mm) and RFID Keyfobs.

4. SETUP AND INSTALLATION

Before beginning installation, ensure all components are present and undamaged. This system operates on DC12V and does not require a computer for programming.

4.1. Mounting the Components

1. **Access Control Keypad:** Mount the keypad at a convenient height near the door. The keypad is IP68 waterproof and can be installed outdoors. It features a touch screen panel and a doorbell button.
2. **Magnetic Lock:** Install the magnetic lock (electromagnet) on the door frame and the armature plate on the door itself. Ensure proper alignment for secure locking. Note that a separate mounting bracket may be required depending on your door frame configuration.
3. **Power Supply:** Mount the power supply in a secure, dry location, preferably indoors or within a weatherproof enclosure if outdoors.
4. **Door Exit Button:** Install the exit button on the inside of the door frame, allowing for easy egress.

4.2. Wiring Diagram

Follow the wiring diagram carefully to connect all components. Incorrect wiring can damage the system.



Figure 4.1: Detailed wiring diagram showing connections between the Access Controller, Power Supply, Exit Button, and Magnetic Lock. Ensure all connections are secure and match the diagram.

- Connect the **Access Controller** to the **Power Supply** (DC12V, GND).
- Connect the **Magnetic Lock** to the **Power Supply** (NC, COM terminals for NC type lock).
- Connect the **Exit Button** to the **Power Supply** (PUSH, GND terminals).
- Ensure the **Power Supply** is connected to an AC100V-260V source.

The magnetic lock is an NC (Normally Closed) type, meaning it is locked when power is supplied and unlocks when power is cut. This is a fail-safe mechanism.

5. OPERATING INSTRUCTIONS

The system supports multiple identification methods: RFID card, password, or a combination of card and password.

5.1. Initial Setup and Programming

Refer to the specific programming instructions provided with your keypad for detailed steps on setting up administrator passwords, adding/deleting user cards, and setting door opening times (0-255 seconds adjustable). Programming can be done directly on the device.



Figure 5.1: The touch-sensitive keypad interface, highlighting the numeric keys and the doorbell button.

5.2. Accessing the Door

- **Using an RFID Card:** Present a registered RFID keyfob to the card reading area on the keypad. The door will unlock for the set duration.
- **Using a Password:** Enter your registered password on the keypad and press the '#' key. The door will unlock.
- **Using Card + Password:** Present your RFID keyfob, then enter your password and press the '#' key. The door will unlock.

The keypad features a blue backlight for visibility in low-light conditions and work indicating lights to confirm successful input.

5.3. Exiting the Secured Area

To exit, simply press the Door Exit Button located on the inside of the door. This will temporarily unlock the magnetic lock.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your access control system.

- **Cleaning:** Wipe the keypad and other components with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Magnetic Lock:** Periodically check the magnetic lock and armature plate for any debris or misalignment that could affect its holding force. Ensure the surfaces are clean and free of rust.
- **Wiring:** Inspect all wiring connections periodically to ensure they are secure and free from corrosion or damage, especially for outdoor installations.
- **Keyfobs:** Keep RFID keyfobs clean and dry. Avoid bending or damaging them.
- **Waterproofing:** Although the keypad is IP68 waterproof, ensure proper sealing during installation to prevent water ingress, especially around cable entries.



7. TROUBLESHOOTING

This section addresses common issues you might encounter with your access control system.

Table 7.1: Troubleshooting Guide

Problem	Possible Cause	Solution
System does not power on / Keypad is dark.	No power to the power supply; faulty power supply; incorrect wiring.	◦ Check if the power supply is plugged into a working AC outlet. ◦ Verify all power connections according to the wiring diagram (Section 4.2). ◦ Ensure the power supply output is DC12V. If not, the power supply may be faulty and require replacement.
Magnetic lock does not engage/disengage.	Incorrect wiring; insufficient power; misalignment of lock and armature plate; faulty lock.	◦ Confirm the magnetic lock is correctly wired to the NC/COM terminals of the power supply. ◦ Check for proper alignment between the lock and armature plate. ◦ Ensure the power supply is providing stable DC12V. ◦ If issues persist, the magnetic lock may be faulty.
RFID card or password not recognized.	Card not registered; incorrect password; card damaged; keypad malfunction.	◦ Ensure the RFID card is properly registered in the system. ◦ Double-check the password entered. ◦ Try a different registered card or password to isolate the issue. ◦ If the keypad is unresponsive or numbers are not registering, check for physical damage or contact support.
Door Exit Button does not work.	Incorrect wiring; faulty button.	◦ Verify the exit button is correctly wired to the PUSH/GND terminals of the power supply. ◦ Test the button for continuity if possible. ◦ Replace the exit button if it is confirmed faulty.
Keypad numbers/front panel detaches.	Physical damage; adhesive failure.	◦ This indicates a manufacturing defect or damage from impact. Contact customer support for replacement or repair options.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Diginex customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: HFeng
Brand: Diginex
ASIN: B08HN3M9J4
UPC: 192132291859

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Regarding the Diginex HFeng IP68 Waterproof Outdoor Door Access Control System, how can I obtain additional RFID fobs, and is it possible to program the keypad to operate silently without beeping?

Based on the manual for the Diginex HFeng IP68 Waterproof Outdoor Door Access Control System, here are the answers to your questions:Additional Fobs: The system uses standard 125KHz EM compatible cards/fobs. You can purchase...

[Read full answer](#)