Visionis FPC-5323, VIS-3002

Visionis FPC-5323 Access Control Kit and VIS-3002 Keypad User Manual

Models: FPC-5323, VIS-3002

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the Visionis FPC-5323 One Door Access Control Kit. This kit is designed for single-door access control in swinging door applications, utilizing a 300lbs magnetic lock and the VIS-3002 indoor keypad/reader with a mini controller. The system supports up to 1,000 users and offers multiple access methods including PIN codes, proximity cards, and keytags, ensuring enhanced security for your premises.

2. PRODUCT COMPONENTS

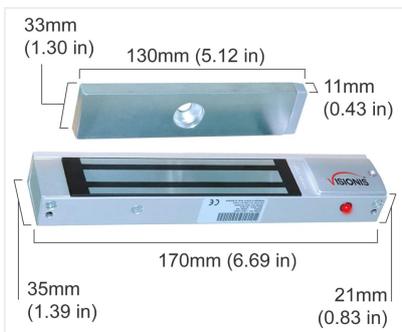The Visionis FPC-5323 kit includes the following components:

- **(1) VIS-ML300LED:** 300lbs Indoor Electric Magnetic Lock with LED Sensor.

- **(1) VIS-ZL300:** L and Z Bracket for 300lbs Electromagnetic Lock.

- **(1) VIS-3002:** Access Control Indoor Only Digital Touch Keypad + Reader Standalone with Mini Controller, Wiegand 26, No Software, EM Cards, 1000 Users.

- **(1) VIS-MINI-CNTRL:** 1 Door Controller for Access Control Systems with No Software. Supports up to 1,000 users.

- **(1) VIS-7001:** Indoor + Outdoor Weather, Waterproof Rated IP65 Stainless Steel Door Bell Type Round Request To Exit Button with LED Light, NC, COM, NO Outputs.

- **(1) VIS-8006:** External Hardwire Doorbell for Keypad/Reader Access Control.

- **(1) VISCP200:** 12V 2Amp Power Supply Transformer, UL Listed.

- **(10) VS-VIS-APROXCARD/26:** Access Control Proximity Contactless Smart Entry Card, 1.8mm thick, 26 bit, 125khz.

- **(10) VS-VIS-KEYTAG:** Access Control Proximity Contactless Smart Entry Keyfob, 26 bit, 125khz.

VIS-3002 Keypad: Front and side view with dimensions (71mm x 116mm x 22mm). This is the primary access device for user input.
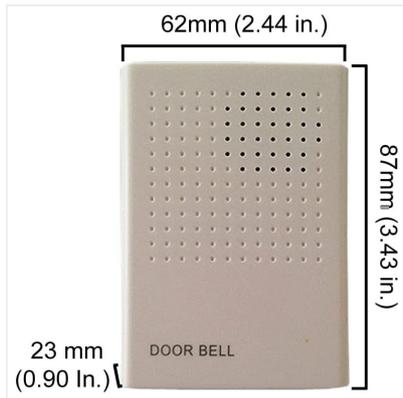

VIS-MINI-CNTRL Mini Controller: Top view with dimensions (65mm x 54mm x 19mm). This controller provides secure relay output for the lock.

VIS-ML300LED Magnetic Lock: Front view with dimensions (170mm x 35mm x 21mm). This magnetic lock provides 300lbs of holding force.

VIS-8006 External Doorbell: Front view with dimensions (62mm x 87mm x 23mm). This unit provides an audible alert when the doorbell function is activated.

VISCP200 Power Supply: A 12V 2Amp UL Listed power supply transformer for the system.

3. 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. The FPC-5323 kit is designed for doors that open inwards.

3.1 Wiring Diagram Overview

Refer to the detailed wiring diagrams provided with your kit for specific connection instructions. The VIS-3002 keypad connects to the VIS-MINI-CNTRL mini controller, which then controls the magnetic lock and integrates with the exit button and doorbell.

System Overview: Illustrates the placement of the keypad, magnetic lock, exit button, and controller for a complete access control setup.

3.2 Magnetic Lock Installation

Ensure the magnetic lock (VIS-ML300LED) and its armature plate are correctly aligned and make full contact when the door is closed. The L and Z brackets (VIS-ZL300) are essential for proper mounting on inswinging doors.

3.3 Keypad Mounting

Mount the VIS-3002 keypad at a convenient height near the door. Ensure all wiring connections are secure and protected from environmental factors.

3.4 Video Resource

VIS-3002 Product Overview: This video provides a general overview of the VIS-3002 keypad, its features, and potential applications. While not a full installation guide, it offers visual context for the product.

4. OPERATING INSTRUCTIONS

The VIS-3002 keypad offers multiple ways to gain access:

- **PIN Code:** Enter your assigned PIN code on the keypad.
- **Proximity Card/Keytag:** Present your EM card or keytag to the reader area on the keypad.
- **Card + PIN:** For enhanced security, some configurations may require both a card/keytag presentation and a PIN code entry.
- **NFC (Phone as Card):** The keypad supports NFC functionality, allowing compatible phones with built-in NFC to act as a proximity card. This feature is not compatible with iOS devices.

Access Methods: Visual representation of using a card/keytag, PIN code, and NFC-enabled phone for access.

4.1 Request to Exit Button (VIS-7001)

To exit the secured area, simply press the VIS-7001 Request to Exit button. This will momentarily release the magnetic lock, allowing the door to open.

4.2 External Doorbell (VIS-8006)

The VIS-8006 external doorbell provides an audible alert when activated from the keypad, allowing visitors to signal their presence.

5. PROGRAMMING (KEYPAD)

The VIS-3002 keypad allows for programming of user PINs, proximity cards, and keytags. Refer to the specific programming instructions in the user manual included with the VIS-3002 keypad for detailed steps.

5.1 Entering Programming Mode

Typically, you will need to enter a master code to access programming mode. For many Visionis keypads, this involves pressing * followed by the master code and then #.

5.2 Adding Users

Follow the keypad's specific menu options to add new user PINs or enroll new proximity cards/keytags. Each user will be assigned a unique identifier or PIN.

5.3 Deleting Users

To remove access for a user, enter programming mode and follow the instructions to delete their specific PIN or card/keytag from the system's memory.

6. MAINTENANCE

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

- **Cleaning:** Wipe the keypad and other components with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- **Connection Checks:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Magnetic Lock Alignment:** Ensure the magnetic lock and armature plate remain properly aligned and make full contact. Any gaps can reduce holding force.
- **Power Supply:** Verify the power supply (VISCP200) is functioning correctly and providing stable 12V power to the system.

7. TROUBLESHOOTING

If you encounter issues with your Visionis access control system, refer to the following common troubleshooting steps:

- **Door Not Locking/Unlocking:**
  - Check power supply to all components.
  - Ensure the magnetic lock and armature plate are in full contact. Adjust if necessary.
  - Verify wiring connections between the keypad, mini controller, and magnetic lock.

- **Keypad Not Responding:**
  - Check power to the keypad.
  - Ensure the keypad is securely mounted and not tampered with.

- **Card/Keytag Not Granting Access:**
  - Confirm the card/keytag is properly enrolled in the system.
  - Ensure the card/keytag is presented correctly to the reader.

- **Programming Issues:**
  - Double-check the master code and programming sequence. For many keypads, a * is needed before the master code and a **#** after it.
  - Refer to the specific programming section of the VIS-3002 user manual.

- **Anti-Tamper Alarm:** The VIS-3002 keypad features an anti-tamper alarm that activates if the unit is illegally removed or torn down. If this alarm sounds, inspect the keypad's mounting and connections.

8. SPECIFICATIONS

Component	Specification
VIS-3002 Keypad	
User Capacity	1,000 users
Input/Output	Wiegand 26
Input Voltage	DC 12V
Operating Temperature	-45°C ~ 55°C (-49°F ~ 131°F)

Component	Specification
Operating Humidity	0% ~ 95%
Searching Time (Card)	Less than 0.1s
Supported Frequencies	125KHz (EM cards), 13.56MHz (MFR cards)
VIS-ML300LED Magnetic Lock	
Holding Force	300lbs
Application	Indoor Use
VIS-MINI-CNTRL Mini Controller	
User Capacity	Up to 1,000 users
Software	No software required
VISCP200 Power Supply	
Output	12V 2Amp
Certification	UL Listed

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Visionis customer support. Details can typically be found on the Visionis website or in the product packaging.