CDVI BIOSYS1 F0106000019-A

CDVI BIOSYS1 Biometric Fingerprint Reader User Manual

Model: BIOSYS1 F0106000019-A

1. INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of the CDVI BIOSYS1 Biometric Fingerprint Reader. The BIOSYS1 is a standalone, surface-mount access control device capable of storing up to 500 fingerprint templates. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT OVERVIEW

Figure 1: CDVI BIOSYS1 Biometric Fingerprint Reader. This image displays the CDVI BIOSYS1 Biometric Fingerprint Reader, a compact, oval-shaped device designed for surface mounting. It features a silver-colored fingerprint scanning area at the top, surrounded by a blue LED light indicating its operational status. Below the scanner is a black button with the CDVI logo, likely used for administrative functions or user interaction. The device has a sleek, modern design suitable

The CDVI BIOSYS1 is a robust biometric fingerprint reader designed for secure access control. Its standalone operation means it does not require a constant connection to a computer for daily use, making it suitable for various applications. Key features include:

- Biometric fingerprint recognition for enhanced security.
- Capacity to store up to 500 fingerprint templates.
- Designed for surface mounting.
- Standalone operation for simplified installation and management.

3. SETUP

3.1 Mounting the Device

1. Select a suitable, flat surface for mounting, ensuring it is free from excessive moisture or direct sunlight.
2. Use the provided mounting template (if applicable) to mark drilling points for screws.
3. Drill pilot holes and secure the mounting bracket (if separate) or the device directly to the surface using appropriate screws.
4. Ensure the device is firmly attached and stable.

3.2 Wiring and Power Connection

Connect the power supply and any necessary control wiring according to the wiring diagram provided with your product packaging. Typically, this involves a low-voltage DC power input and connections for door strike/lock, exit button, and alarm (if supported). Ensure all connections are secure and insulated.

3.3 Initial Power-Up

Once all wiring is complete, apply power to the device. The LED indicator should illuminate, typically blue, indicating the device is powered on and ready for initial configuration.

4. OPERATING INSTRUCTIONS

4.1 Administrator Enrollment

Before enrolling regular users, an administrator fingerprint must be registered. Refer to the specific programming guide for your device, but generally, this involves:

1. Entering programming mode (often by pressing and holding the admin button or entering a default code).
2. Selecting the 'Add Admin' option.
3. Placing the chosen administrator's finger on the scanner multiple times as prompted until enrollment is successful.

4.2 User Fingerprint Enrollment

Once an administrator is set up, they can enroll regular users:

1. Enter programming mode using the administrator fingerprint.
2. Select the 'Add User' option.
3. Instruct the user to place their finger on the scanner multiple times until the device confirms successful enrollment.
4. Exit programming mode.

4.3 Granting Access

To gain access, a registered user simply places their enrolled finger on the fingerprint scanner. If the fingerprint is recognized, the device will activate the connected door lock/strike, granting access. The LED indicator may change color (e.g., from blue to green) to confirm successful verification.

4.4 Deleting Users

To remove a user's access:

1. Enter programming mode using the administrator fingerprint.
2. Select the 'Delete User' option.
3. Follow the prompts to delete a specific user's fingerprint or all user fingerprints.
4. Exit programming mode.

5. MAINTENANCE

5.1 Cleaning

Regularly clean the fingerprint scanner surface with a soft, dry, lint-free cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the sensor. Ensure the device is powered off before cleaning.

5.2 Environmental Considerations

The BIOSYS1 is designed for indoor use. Protect the device from extreme temperatures, direct sunlight, and high humidity. Ensure proper ventilation if installed in an enclosed space.

6. TROUBLESHOOTING

- **Device not powering on:** Check power supply connections and ensure the power source is active. Verify wiring integrity.

- **Fingerprint not recognized:**
  - Ensure the finger is clean and dry.
  - Place the entire pad of the finger firmly on the scanner.
  - Try re-enrolling the fingerprint if recognition issues persist.
  - Ensure the user's fingerprint is actually enrolled in the system.

- **Door not unlocking:**
  - Verify that the fingerprint is recognized (check LED indicator).
  - Check wiring to the door lock/strike.
  - Ensure the lock mechanism is functioning correctly.

- **Cannot enter programming mode:** Ensure you are using an enrolled administrator fingerprint or the correct administrative procedure.

If issues persist after attempting these troubleshooting steps, please contact CDVI technical support.
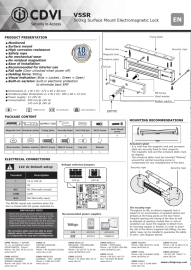
7. SPECIFICATIONS

Model	BIOSYS1 F0106000019-A
Type	Biometric Fingerprint Reader
Mounting	Surface Mount
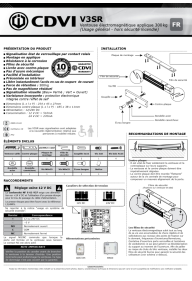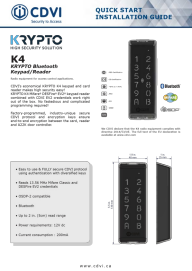
Template Capacity	Up to 500 Fingerprint Templates
Operation Mode	Standalone
Manufacturer	CDVI
Package Dimensions	1 x 1 x 1 inches
Weight	12 ounces

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official CDVI website. For technical support, assistance with installation, or troubleshooting beyond the scope of this manual, please contact CDVI customer service directly. Ensure you have your product model number (BIOSYS1 F0106000019-A) available when contacting support.

Related Documents - BIOSYS1 F0106000019-A

[CDVI V5SR 500 kg Surface Mount Electromagnetic Lock Installation and Maintenance Guide](#)
Comprehensive guide for the CDVI V5SR 500 kg surface mount electromagnetic lock, covering product presentation, package contents, electrical connections, mounting recommendations, and maintenance. Includes technical specifications and contact information for CDVI global offices.

[CDVI KCPROXWLC Dual Technology Digicode®/Proximity Reader Installation Manual](#)
This document provides detailed installation instructions for the CDVI KCPROXWLC, a dual-technology access control reader combining proximity card and Digicode® keypad functionalities. It covers product features, mounting, wiring, programming options, and various output data formats.

[CDVI KPROG USB Card and Tag Reader Quick Start Guide](#)
A quick start guide for the CDVI KPROG USB card and tag reader, detailing setup, controller settings, and webserver/software connections for use with the ATRIUM system.

[CDVI KRYPTO K3 Quick Start Installation Guide](#)
This guide provides quick start installation instructions for the CDVI KRYPTO K3 High-Security Keypad and Card Reader, detailing its features, wiring, and LED status indicators for access control applications.

[CDVI V3SR Electromagnetic Lock Installation and Features](#)

This document provides detailed information on the CDVI V3SR electromagnetic lock, including its features, installation guide, electrical connections, and safety recommendations. It covers product presentation, package contents, mounting instructions, and electrical hookups for both 12V DC and 24V DC systems.

[CDVI KRYPTO K4 Quick Start Installation Guide](#)

Installation guide for the CDVI KRYPTO K4 Bluetooth Keypad/Reader, detailing setup, wiring, and LED status indicators for access control applications.