ViBio Access Control System

Fingerprint Networked Access Control Terminal

ViBio F3 is a fingerprint terminal which supports networked access control and time attendance , it supports standalone working and software management . And it adopts multi -core ARM processor , integrates massive memory , built -in live fingerprint recognition circuit, supports high-speed recognition and rejection of fake fingerprints.

Fingerprint recognition time <1S, adopts 2.8-inch TFT color screen , supporting 5000 fingerprints , 5000 cards , 5000 passwords , 200,000 records , TCP/IP networking , supporting 1 set of doors opening relays, 1 group of door sensor , 1 group of alarm output , can USB driver to backup data , support desktop software , cloud software and mobile app management . All the fingerprint templates are then stored in the database for subsequent matching and ViBio software.

FEATURES AND SPECIFICATIONS

- Storage: 5,000 fingerprints; up to 10 fingerprints for each person;
- Support desktop software , cloud software and mobile app management
- Support stand-alone operation: locally add person, card and fingerprint information
- Person information structure: based on employee ID
- Supports attendance status, including check in/out, break in/out, overtime in/out
- Integrated management of access control, time attendance, and elevator relay board
- 2.8" LCD screen to display the time, date and swiping/fingerprint authentication results
- Remotely registers fingerprints from the terminal to software and vice versa
- Max. 5,000 users, Max. 5,000 fingerprints and Max. 200,000 event records
- Exports the swiping card data and the attendance report to the USB flash drive
- Attendance holiday schedules and access control holiday schedules can be configured
- Generates the attendance report automatically and view the attendance data easily
- The third-party bell access
- Tamper alarm and duress alarm function
- Operating system: Linux
- Fingerprint Comparing Mode: 1:1 and 1:N, N=5,000
- Fingerprint authentication duration < 1 s
- FAR (False Acceptance Rate) < 0.001 %
- FRR (False Rejection Rate) ≤ 0.01 %
- Fingerprint recognizer: Optical fingerprint recognizer module
- External card reader: Standard Wiegand 26bit
- Communication interface: TCP/IP, USB, RS485, Wiegand In/Out
- Transmission rate: TCP/IP: 10/100Mbps, USB 2.0; type A, RS-485: 19200 bps
- I/O interface: Exit button, door contact, alarm input, Relay (lock), alarm output, bell
- LED indicator: Power/status (red/green)

FEATURES AND SPECIFICATIONS

- Card support: Mifare card (ViBio F3M) and EM card (ViBio F3A)
- Power supply: 12 VDC/1 A
- Working temperature: -10 °C to +55 °C
- Working humidity: 10% to 90% (no condensing)
- Tamper-proof: Support
- Dimension (L × W × H): 198.5 x 89 x 45 mm
- Installation: Surface mounting, metal door mounting, installation with gang box

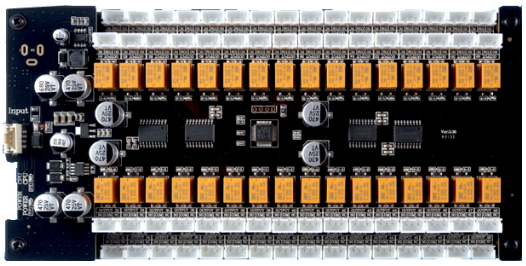
OPTIONAL CONJUCTION ELEVATOR CONTROL RELAY BOARD

The elevator control relay board is used with ViBio controllers to create a multi-purpose system in ViBio controllers . Using this relay board gives ViBio controllers the ability to manage a 64 key elevator control panel . Independently , or even with cloud management . This method is used to manage the rack locks of a data center , or a locker room or the cabinet locks of a security office. Relay board connect to the controller via RS485.

This option is designed in 2 levels based on needs : the basic requirement of a 32 relay board module , and then expanding it to 64 relays:

EBF-32 for 32 floors

EBF-64 expand to 64



PRODUCT WARRANTY

3-Years Limited Product Warranty

Part Number: ViBio F3 A/M

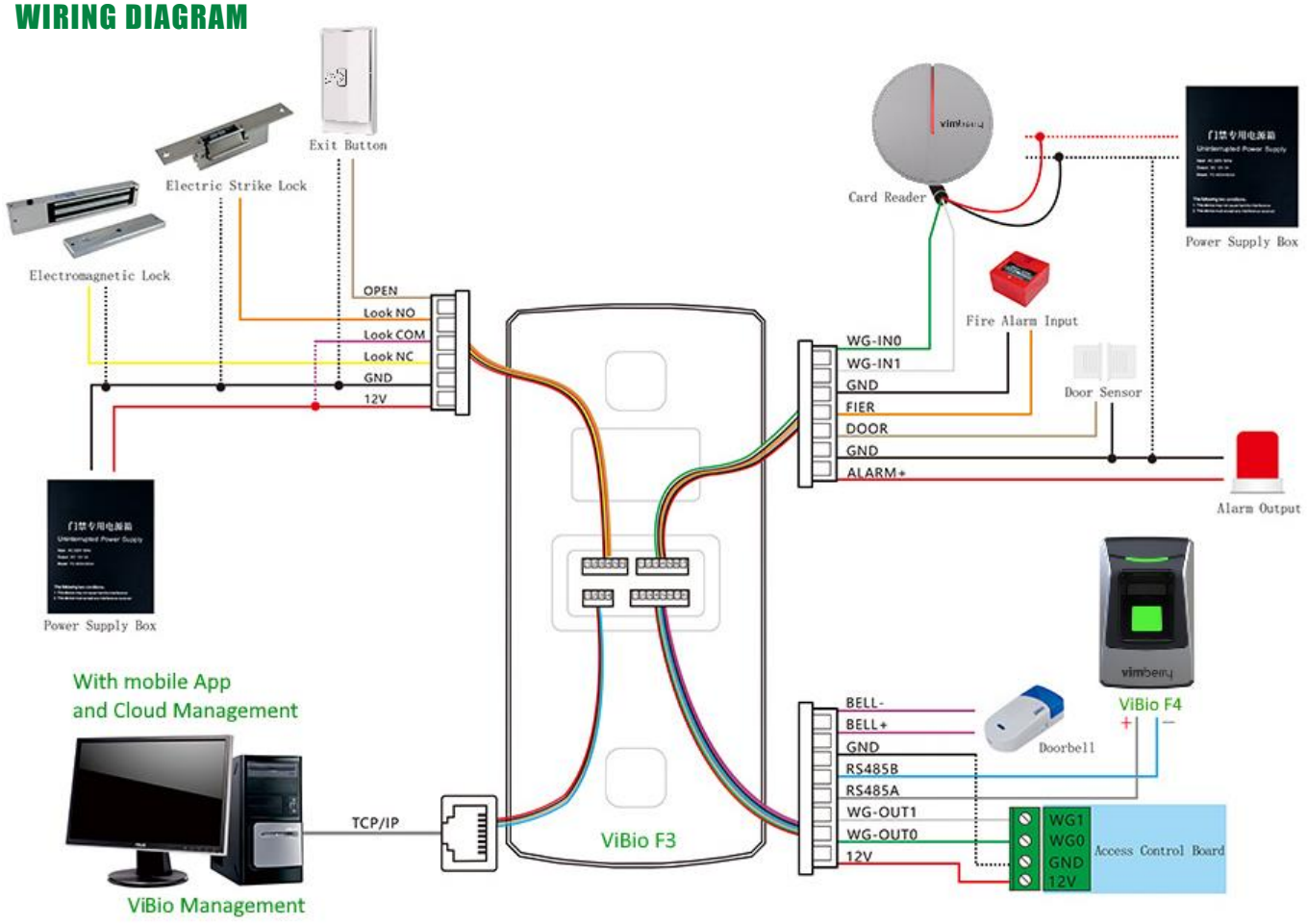
OPTIONAL CONJUCTION READER

ViBio F4 A/M

Red: 12V(Power Supply Output)
Green: WG-OUTO (Wiegand Output 0)
White: WG-OUT1 (Wiegand Output 1)
Gray: RS485A (RS485A+)
Blue: RS485A (RS485A+)
Black: GND (Ground)

ViBio F4 reader is a fingerprint card reader device that responsible for reading and collecting data and sending to ViBio F3 . It has no personnel data processing capability and is only used for card reader and fingerprint collection . ViBio F4 sends data to the ViBio F3 via RS485.

WIRING DIAGRAM



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Vimberry Security Products markets high-quality security products via its worldwide offices and channel partners. Vimberry has offered high-quality systems for enterprise, small business, and residential applications. Our expansive product range features much more than access control solutions; we also offer applications software, Time & Attendance, and CCTV/alarm integration.