

# Fingerprint Keypad Safe Module

## S1



# Operation

## FEATURE

- Standard 8 user design
- Main board can drive electric motor, electromagnet.
- Super stable, low power consumption
- Zinc alloy casing

## Parameter:

Sensor: AFOS300 Optical Sensor

Algorithm: BioNANO V10

Fingerprint Capacity:8

FRR: 0.001%

FRA: 0.00001%

Scan Area: 22mm\*18mm

Resolution: 500 DPI

Identification Time: <0.5 Sec

Front panel:

Main panel:

LCD: Connect LCD flat cable with front panel

LED: Power LED

Keypad: Connect Keypad flat cable with front panel

Fingerprint sensor: Connect with fingerprint sensor.

Power: 6V (4 AA batteries)

Emergency Power: For external power

Initialization: Initialization device

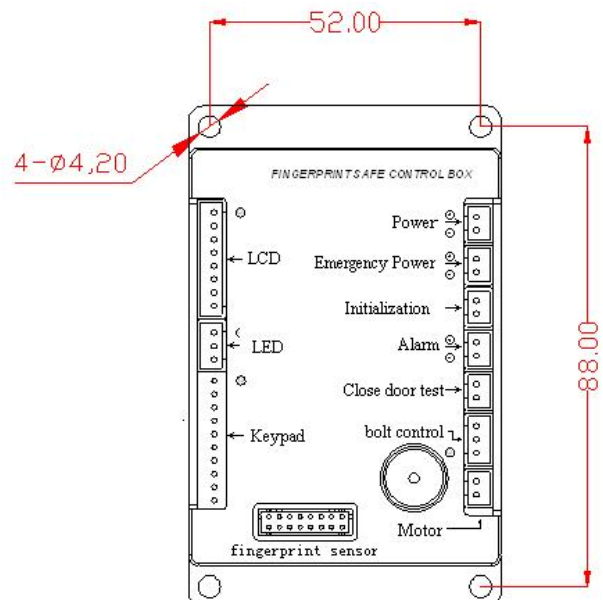
Alarm: connect with alarm bell

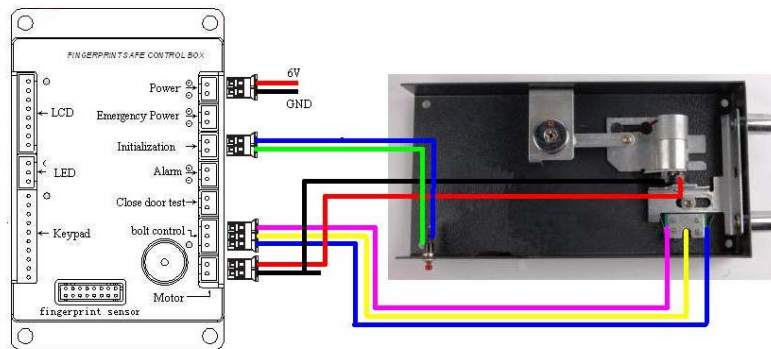
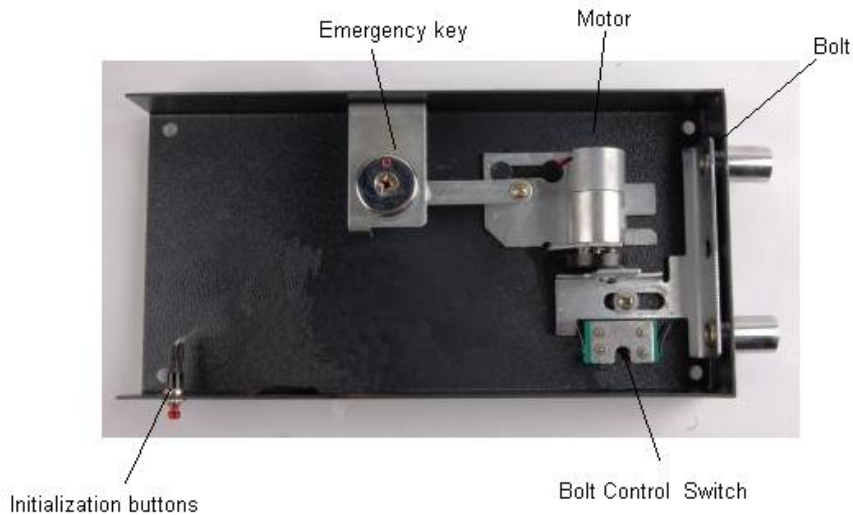
Close door test: Connect with Exit button on the front panel

Bolt control: control flexible sport of bolt.

Motor: drive motor

**Mechanical Part:**





**Front board operation:**

1. Battery Please install 4 AA batteries with correct polarity.
2. Fingerprint enrollment tips Please operate in accordance with indicating light of fingerprint scanner and LED. Please place your finger on the fingerprint sensor when the scanner light is on and the red light flashes. Please put the finger flatly and centrally when enrolling the finger to ensure the captured fingerprint templates clear.
3. System returns to default state after 5 seconds of no operation. Wait for 5 seconds to return to default state if needed
4. 8 fingerprints registered indication The red light flash 3 times and buzzer shouts three times is indicating the whole 8 fingerprints has been registered.
5. Power not enough indication after press "START", the buzzer shouts three times, which indicates batteries should be replaced.
6. External backup battery for emergency this function assures emergency door-open by using external power when battery inside runs out.

**Add User:**

Press "START" key to close the lock tongue and press "START" again to activate the system. Then press "ADD" key (behind the front panel) and the green light flashes at the same time. Place finger and remove after one beep sound. If not remove finger at once, buzzer will shout continuously. Place you finger again and with two beep sound and green light on for one second, the registration is successful; while with two beeps sound and red light on for one second, the registration is failed. Please register again. If register repeated finger, the buzzer shout once and red light on for one second. Place another finger to register more fingerprints. Wait 5 seconds to return to sleeping mood.

#### Delete User

Press "START" to close the lock tongue and press "START" again to activate the system. Press "DEL" key behind the front panel for three seconds. With red and green light flash in return for five times and three beeps sound, the initialization is successful. All fingerprints in the system are deleted.

#### Open Operation:

Press "START" to activate system and the red light will flash and fingerprint sensor light. Place finger and two beeps sounds and one second green light on indicate successful verification. The safe door will open automatically. If registration is not successful, buzzer will shout continuously and red light will be on for one second. Please repeat the above operation.

#### Close Operation:

Press "START", door will be closed automatically.