



## **BioAccess 5008**

**Fingerprint Access Controller**

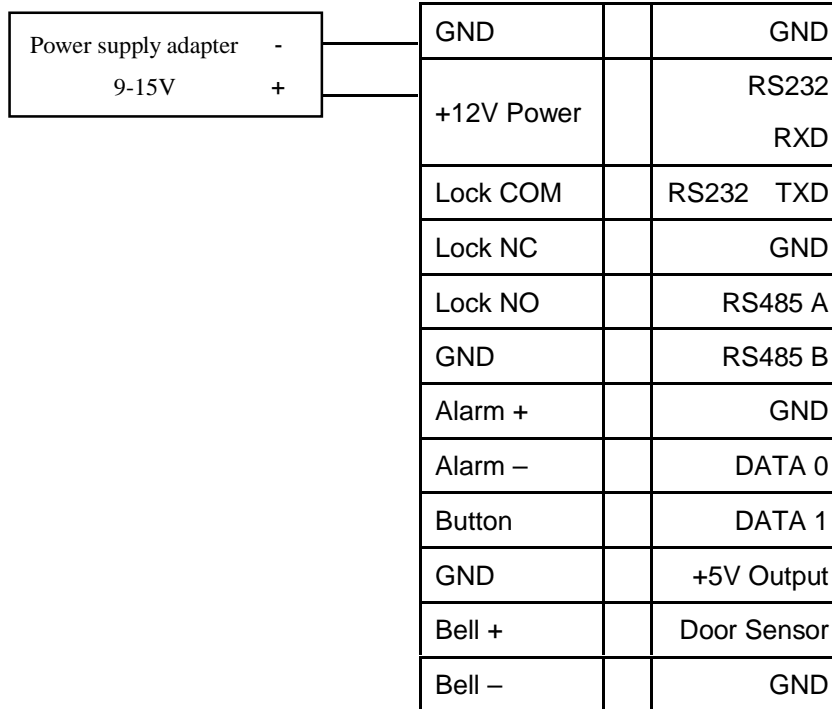
**Quick Connection Guide**

### **Quick Connection Guide**

#### **1. Connection between controller terminal and power supply**

Controller's terminal is shown in below figure. It supports DC power

supply of 9-15V as input, and can work immediately through the direct connection between GND and +12V. If lock-control uses the individual power supply, the current of controller's power supply adapter applies matching current of 500mA or over, if lock-control uses the only power supply with controller, the nominal output current of the power adapter will exceed the working current by over 1000mA.



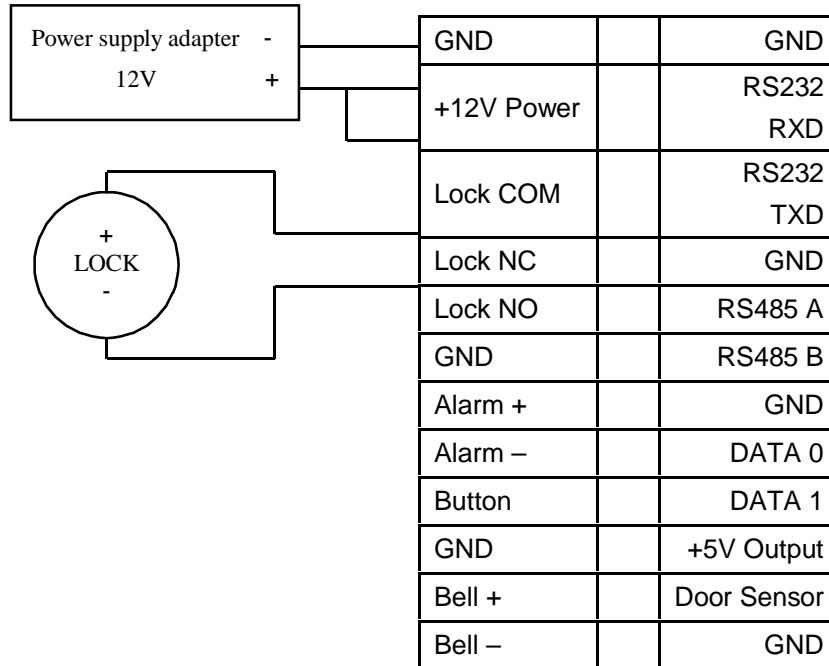
## 2. Connection with door lock

Controller can support normal-open and normal-closed door lock simultaneously, so long as it is connected with the different terminals respectively. Usually, Lock NO terminal disconnects with COM terminal, and they will connect when controller outputs the unlocking signal and recover to disconnection when the signal ends. The connection and disconnection between Lock NC terminal and COM terminal is opposite to above situation, they connect usually and disconnect when the unlocking

signal is output.

Due to the existence of varied electric-control door locks, the correct connection method must be confirmed in accordance with the door lock specification: Lock NO terminal should be used for the locks, which unlock when the power is on and lock when power is off; otherwise, the Lock NC terminal should be used.

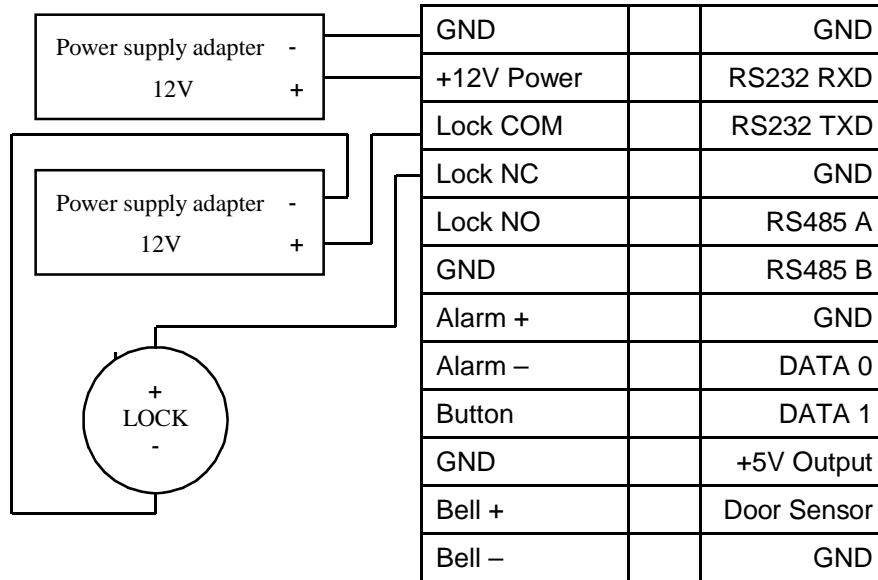
Take the electric-control lock, for example herein, to show the connection method between controller and locks. Use Lock NO terminal when controller is connected with the lock, which locks usually when power is off.



**1) Connecting method for power supply adapter serving for both controller and door lock contemporarily.**

1. Matching voltage of lock must be 9 to 15V;
2. Matching voltage of adapter must be accordant with that of lock;
3. Matching output current of adapter must exceed the working current

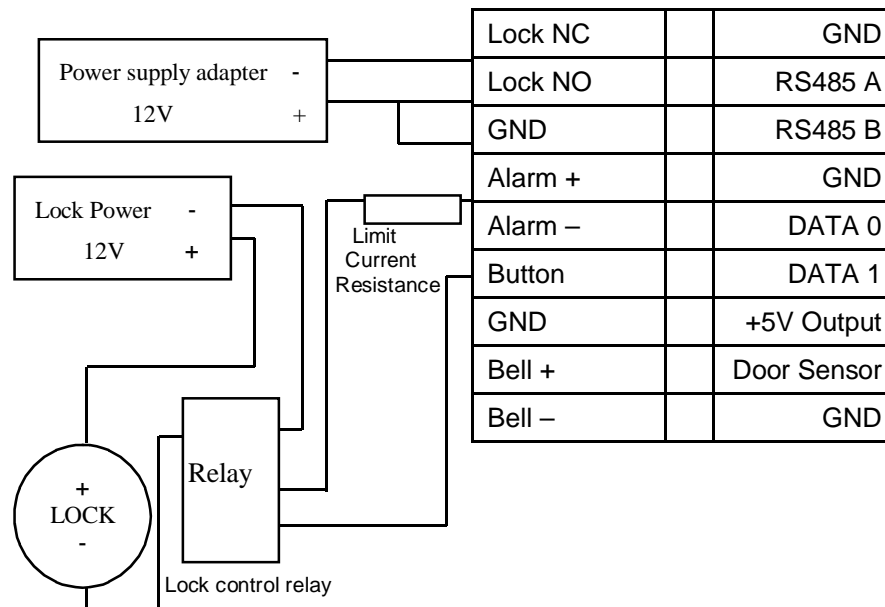
by over 1000mA.



**2) Connecting method for controller and door lock using separated power supply adapter.**

1. Matching voltage of lock is DC24V~3A , AC220V~1A.
2. Matching voltage of lock's power supply adapter must be accordant with that of lock, and the output current must exceed the working current of the lock.
3. working current of the lock must less than 2000mA.

+12V Power		RS232 RXD
GND		GND
Lock COM		RS232 TXD



### 3) Connection between controller and locks, which control the high current

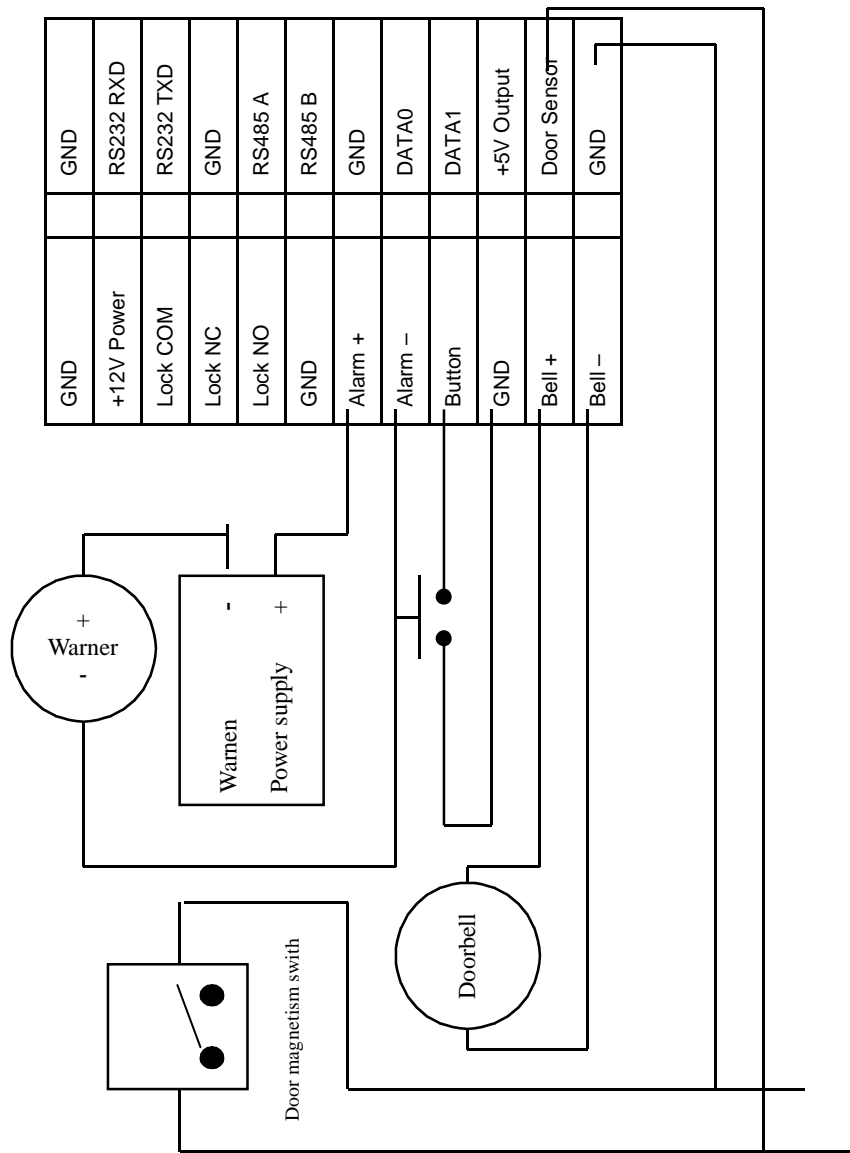
1. Matching voltage of lock's power supply adapter must be accordant with that of lock, and the output current must exceed the working current of the lock.
2. Matching voltage and current of relay must exceed those of the lock.

### 3. Connection with exit-door button, door magnetism, doorbell and Warner

Exit-door button is installed in the inside room, and you can open the door when the button is closed. The door magnetism is used to inspect the opening and closing state of the door, and controller can detect the state when the door is opened unauthorized, and hence output the alarming signal. Furthermore, controller will also output the alert signal if the door is not closed well within the specified time.

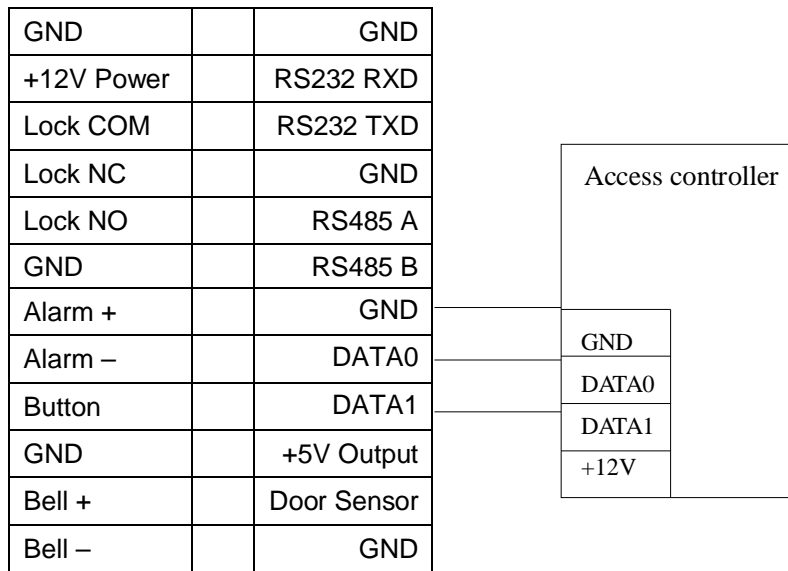
Alarming output of controller is a switch signal, and can be connected in series into the power loop of warner. Of course it can be used as the trigger signal of advanced alarming/monitoring system.

Doorbell terminal of controller is connected directly with the doorbell button of panel, so what you need to do is to connect the existing doorbell switch to these two terminals.



**4. Connection with controller**

Controller offers the standard Wiegand26 output, and can be connected with existing most Access Controller as connection with an ID card reader or password keyboard.

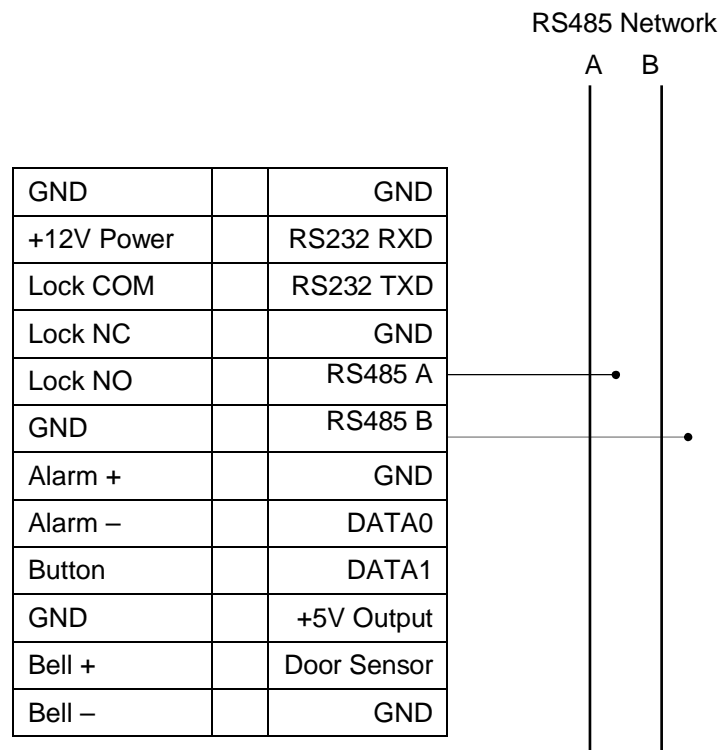


Controller can connect with PC through RS232 or Ethernet (selectable)

**5. Connect with network or computer**

Controller offers RS232 and RS485 interface, and selectable Ethernet interface to connect with PC or to build network.



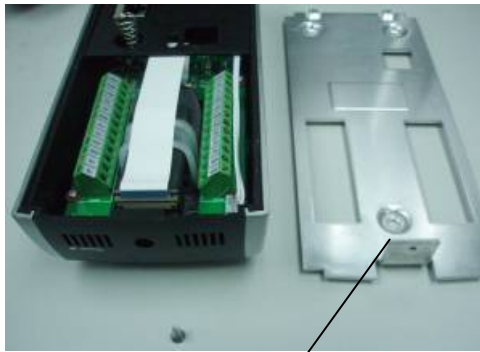


Controller is connected with RS485 network

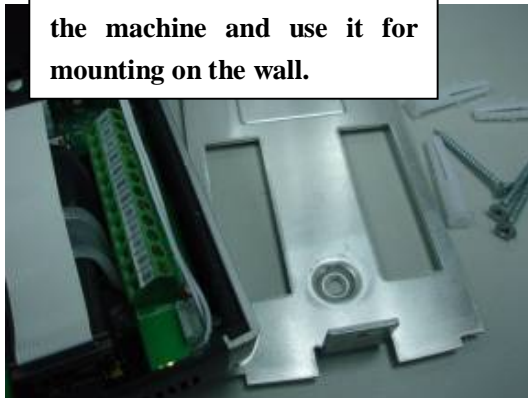
## **Hardware Mounting**



**1) Release screw at the bottom of machine**



**2) Remove the back cover of the machine and use it for mounting on the wall.**



**3) Use the mounting screws provided for mounting**



**4) After mounting; carefully hook up the machine to the back cover. Do not use force to prevent damage on the machine.**

**After hooking up the machine, replace the screw at the bottom of the machine.**