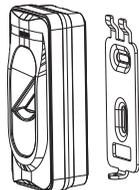
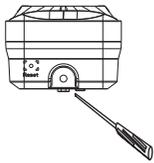
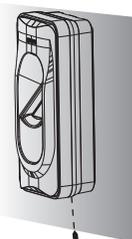
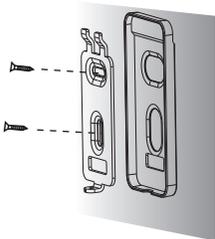


## 1. Equipment Installation



- (1) Post the mounting template on the wall. Drill the holes according to the marks on the template (holes for screws and wiring).
- (2) Remove the screw on the bottom of device.
- (3) Take away the back plate.

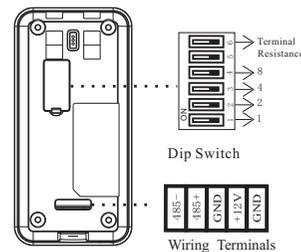


- (4) Fix the plastic pad and the back plate on the wall according to the mounting paper.
- (5) Tighten the screw on the bottom, fix the device to the back plate.

**Warning: No operating with power on**

## 2. Other Functions

(1) **Wiring Terminals:** As the figure below.



Back View

Address	Switch Setting	Address	Switch Setting
1		5	
2		6	
3		7	
4		8	

(2) **Dip Switch Setting**

It is adopted binary coding and little endian. Number 1-4 switches are used to set the 485 address number (device number).

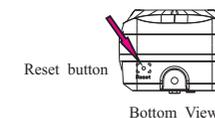
The address number setting by place these 4 switches are shown as the right sheet above. Number 5 switch is idle.

Number 6 switch is used to set the terminal resistance in RS485 communication: Switch it to ON status, that is add a terminal resistance of 120 ohm between 485+ and 485-.

(3) **Manual Reset**

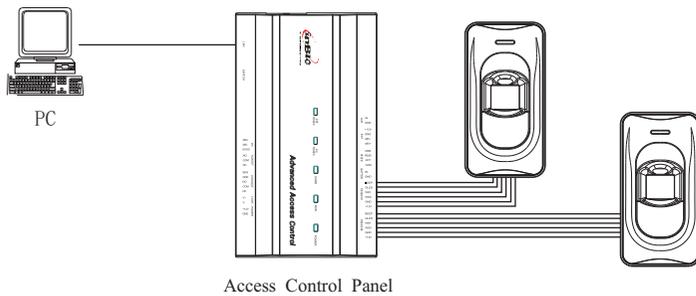
If the device does not work properly because of misoperation or other abnormality, you can use 'Reset' function to restart it.

Operation: Remove the black rubber cap, then stick the Reset button hole with a sharp tool (the tip diameter less than 2mm).

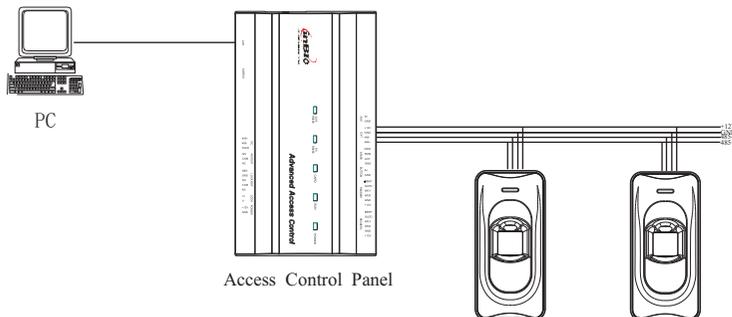


### 3. Connected with Control Panel

#### (1) Connected as Wiegand Reader



#### (2) Connected as inBIO Reader (with External 485)



 **Warning: No operating with power on**

#### Note:

- Please keep the distance between the device and access control or card reader less than 90 meters (Please use Wiegand signal extender in long distance or interference environment).
- To keep the stability of Wiegand signal, connect the device and the access control or card reader in same 'GND' in any case.

### 4. Cautions

- Power cable is connected after all the other wiring.** If the device is working abnormally, please shut down the power first, then make the necessary check. Kindly reminds you that any hot-plugging may damage the device, and it is not included in the warranty.
- We recommend the DC 3A/12V power supply. Please contact our technical staff for details.
- Please read carefully the terminal description and wiring by rule strictly.** Any damage caused by improper operations will be out of the range of our guarantee.
- Keep the exposed part of wire less than 5mm,** to avoid unexpected connection.
- Please connect the 'GND'** before all the other wiring especially under the environment with much electrostatic.
- Do not change the cable type because of long distance between the power and the device.
- If the 485 communication wire is longer than 100 meters, it is needed to set the number 6 dip switch of the last reader to ON state, that is parallel a terminal resistance of 120 ohm between 485+ and 485-.