

INSTALLATION GUIDE

ProBio(QR)

Version: 1.0

Date: May 2021

Safety Precautions

Before installation, please read the following precautions carefully to prevent risks and dangers to this product, users and any other person.



Do **not** expose to direct sunlight, water, dust and soot.



Do **not** place any magnetic objects near the product. Magnetic objects such as magnets, CRT, TV, monitors or speakers may damage the device.



Do **not** place the device next to any heating equipment.



Prevent water, drinks or chemicals leaking into the device.



This product is not intended for use by children unless they are supervised.



Do **not** drop or damage the device.



Do **not** disassemble, repair or modify the device.



Do **not** use the device for any purpose other than those specified.

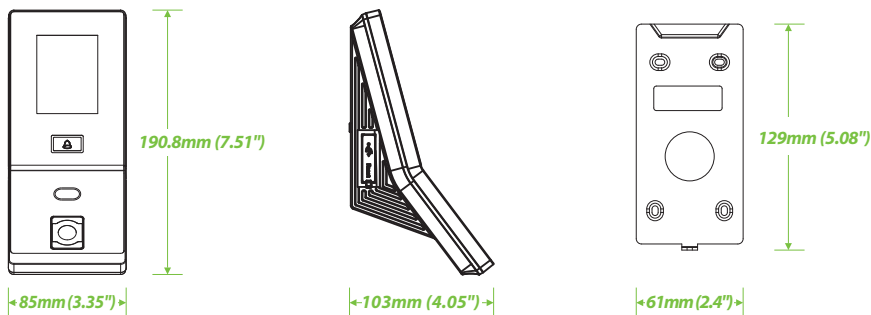


Remove dusts or dirt regularly. While cleaning, wipe dust off with a smooth cloth or towel instead of water.

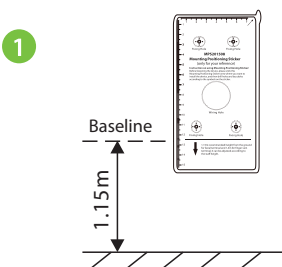
Contact your supplier in case of any problem!

Product Dimensions & Installation

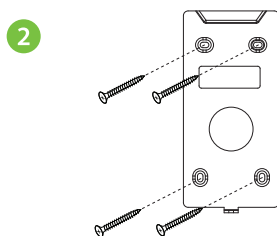
❖ Product Dimensions



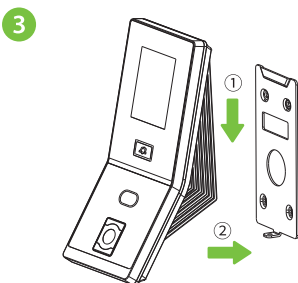
❖ Installation on the wall



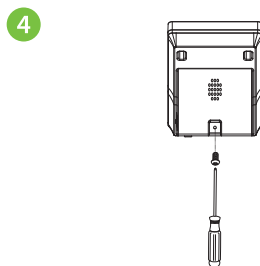
Attach the mounting template sticker to the wall, and drill holes according to the mounting paper.



Fix the back plate on the wall using the wall mounting screws.

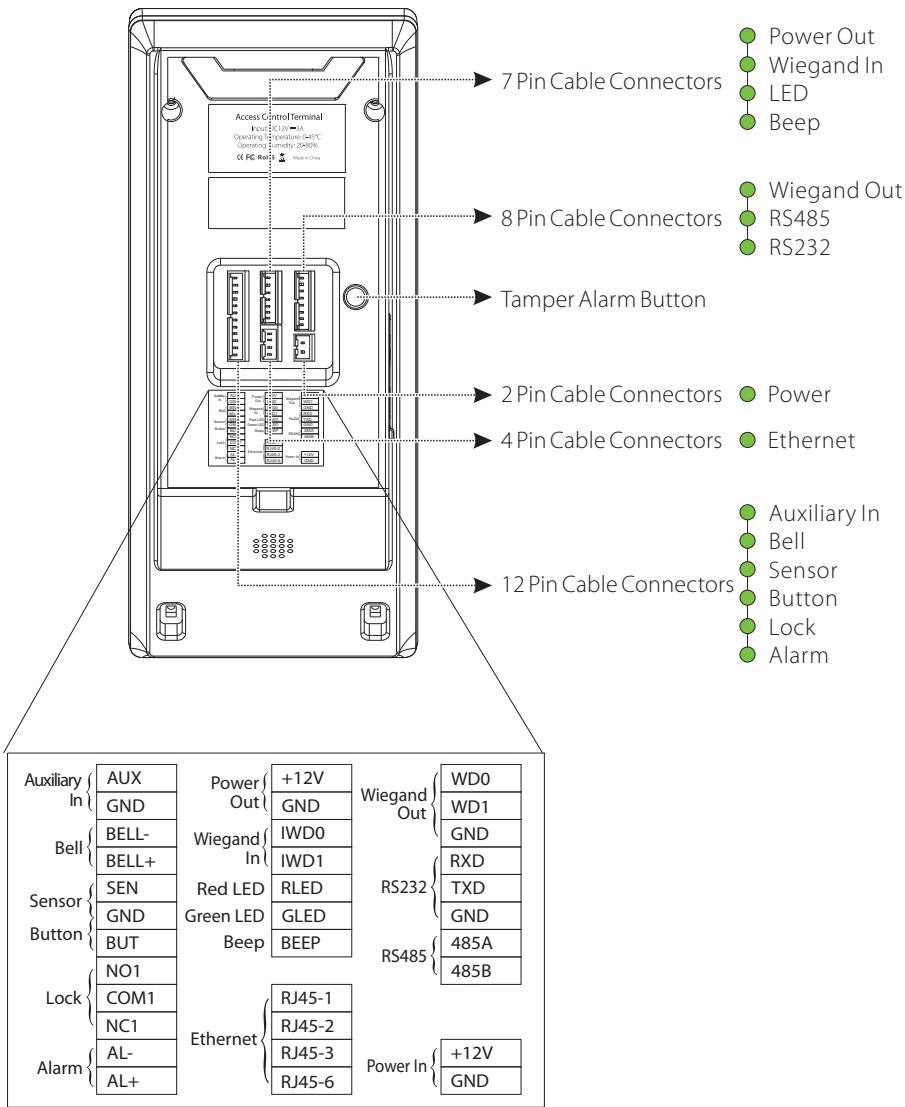


Attach the device to the back plate.



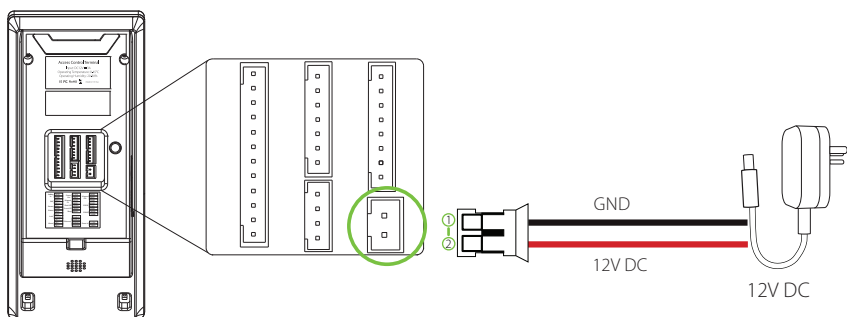
Fasten the device to the back plate with a security screw.

Terminal Block

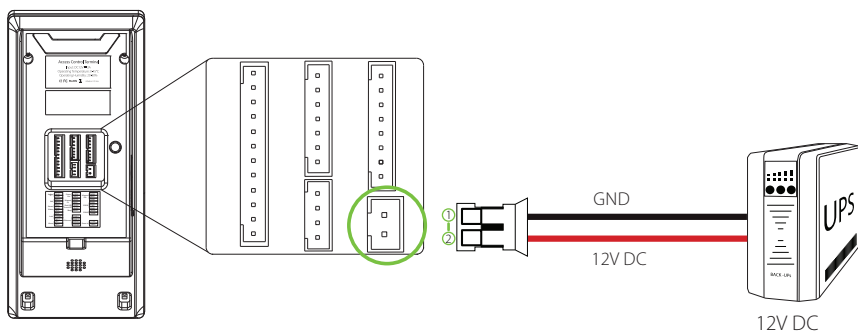


Power Connection

❖ Without UPS



❖ With UPS (Optional)



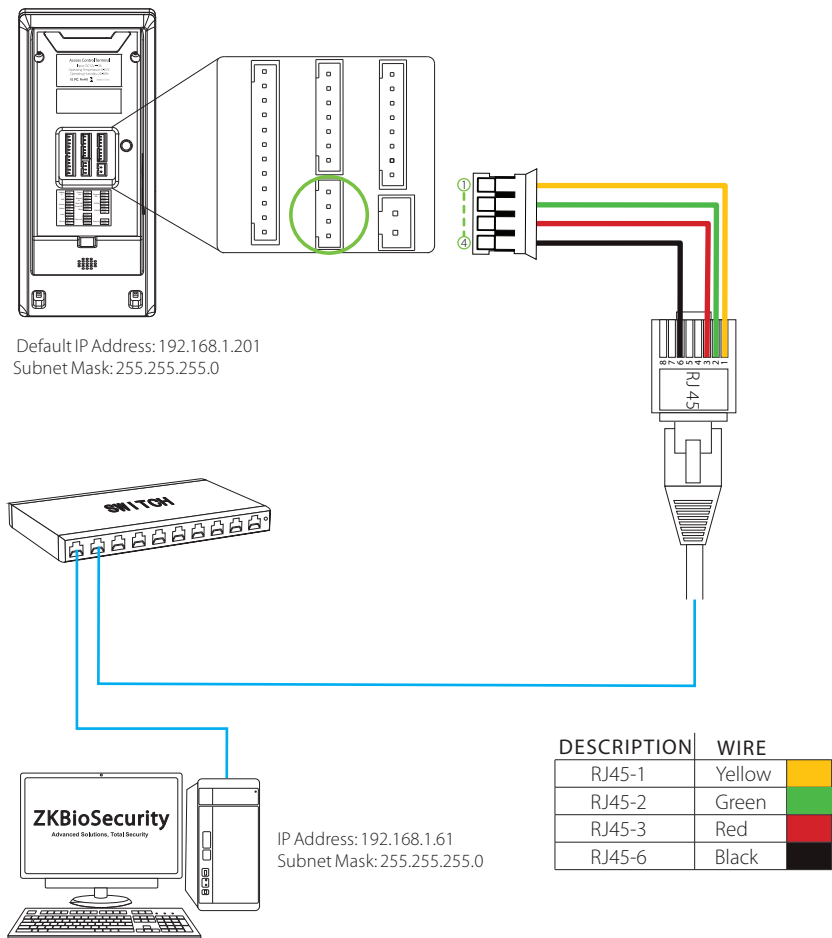
❖ Recommended AC Adapter

- Recommended AC Adapter: **12V, 3A**
- To share the power with other devices, use an AC Adapter with higher current ratings.

Ethernet Connection

❖ LAN Connection

Connect the device and the software over an Ethernet cable. An example is shown below:



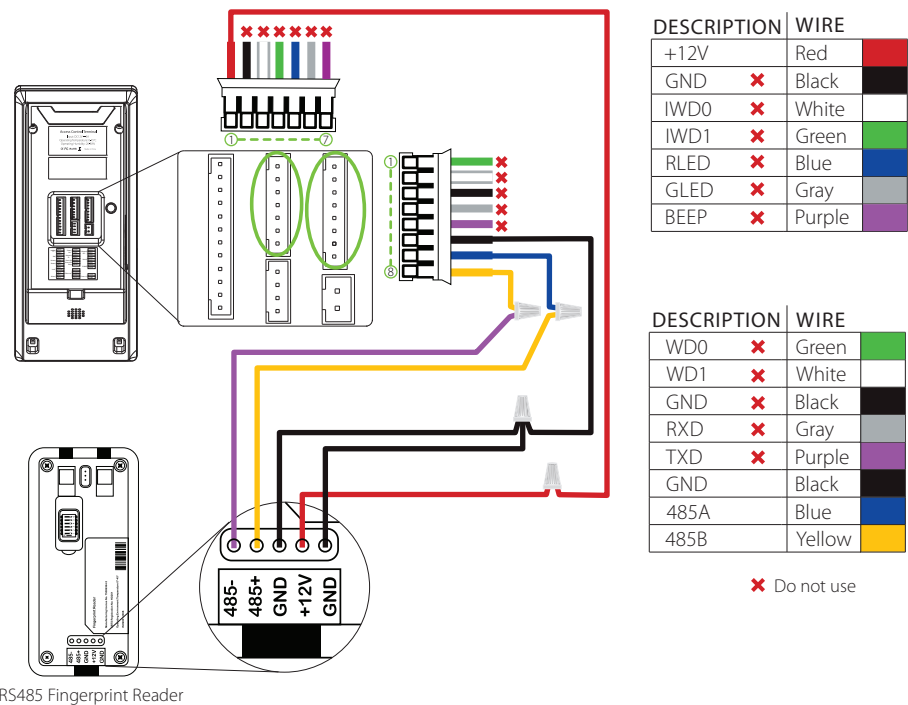
Note:

In LAN, the IP Addresses of the Server (PC) and the device must be in the same network segment when connecting to the ZKBioSecurity software.

Click **[Comm.] > [Ethernet] > [IP Address]**, enter the IP Address and click **[OK]**.

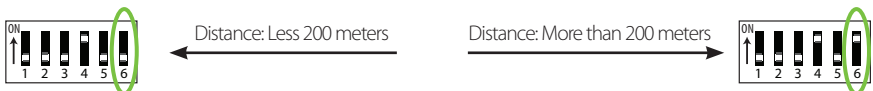
RS485 Connection

❖ RS485 Fingerprint Reader Connection



❖ DIP Settings

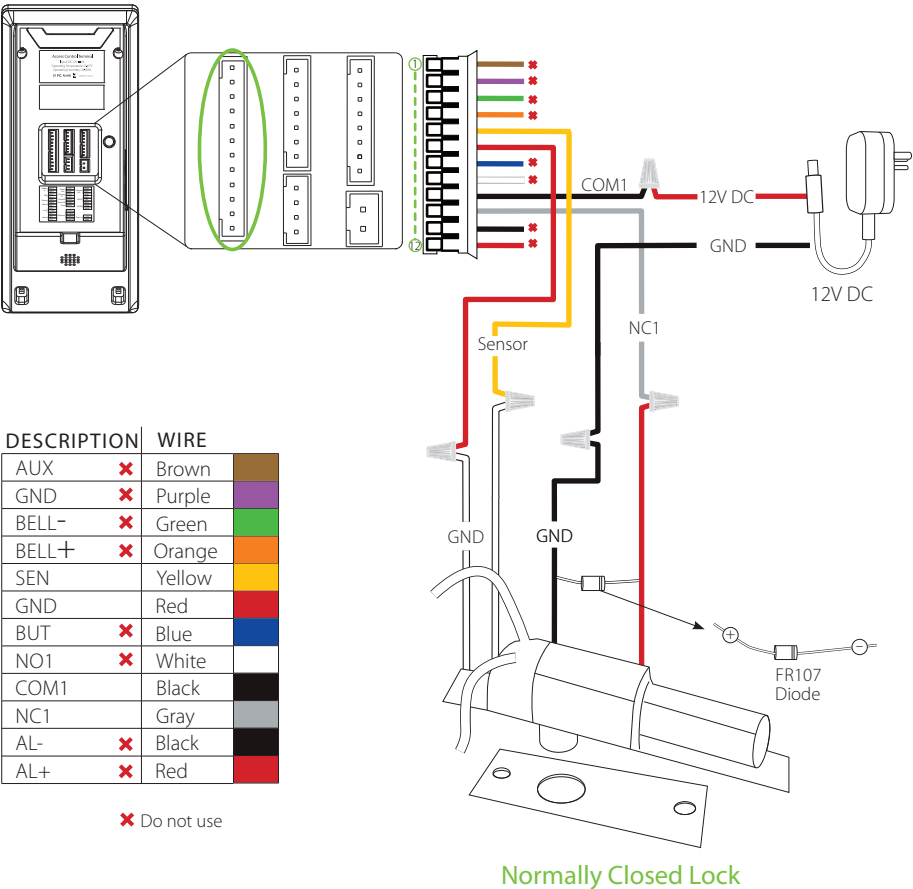
1. There are six DIP switches on the back of RS485 fingerprint reader, switches 1 to 4 are for RS485 address, switch 5 is reserved, switch 6 is for reducing noise on a long RS485 cable.
2. If RS485 fingerprint reader is powered from the device, the length of wire should be less than 100 meters or 330 ft.
3. If the cable length is more than 200 meters or 600 ft., the number 6 switch should be ON as below.



Lock Relay Connection

The system supports both **Normally Opened Lock** and **Normally Closed Lock**. The **NO Lock** (Normally Opened when powered) is connected with 'NO' and 'COM' terminals, and the **NC Lock** (Normally Closed when powered) is connected with 'NC' and 'COM' terminals. The power can be shared with the lock or can be used separately for the lock, as shown in the example with NC Lock below:

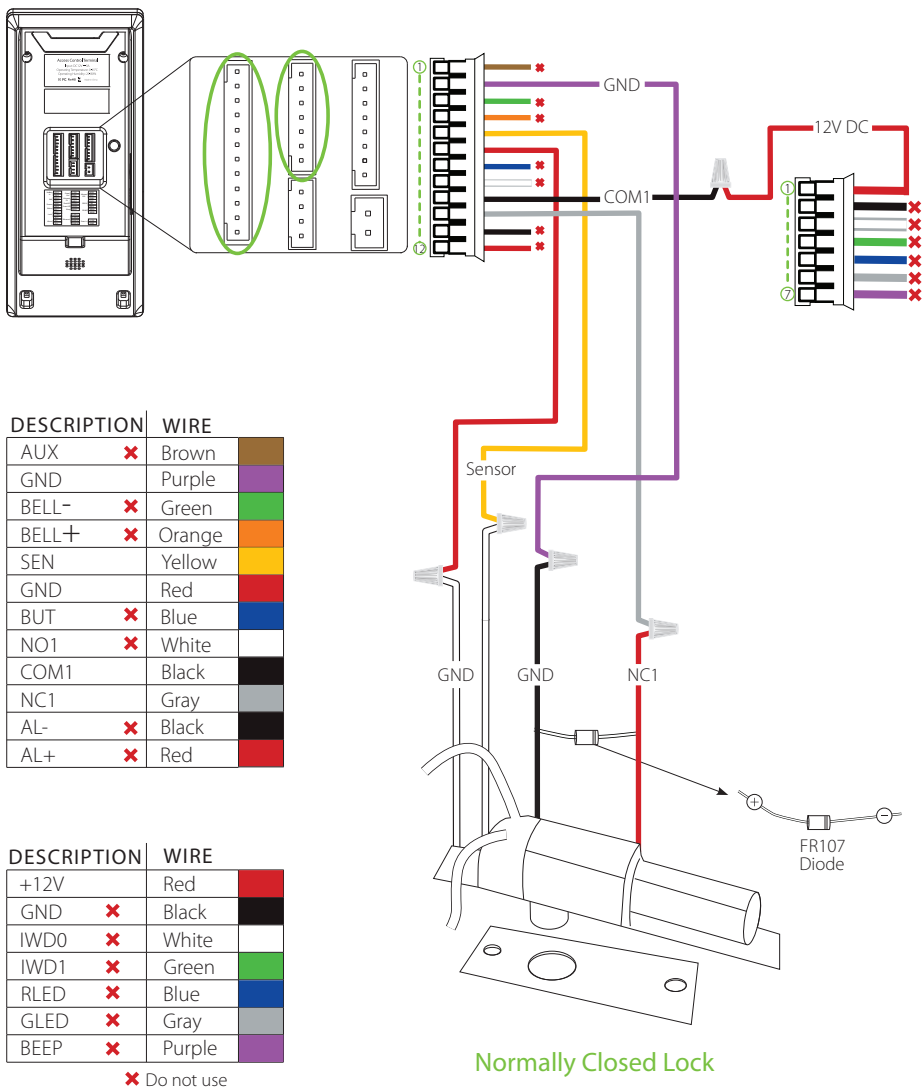
❖ Device Not Sharing Power with the Lock



 Do not reverse the polarities.

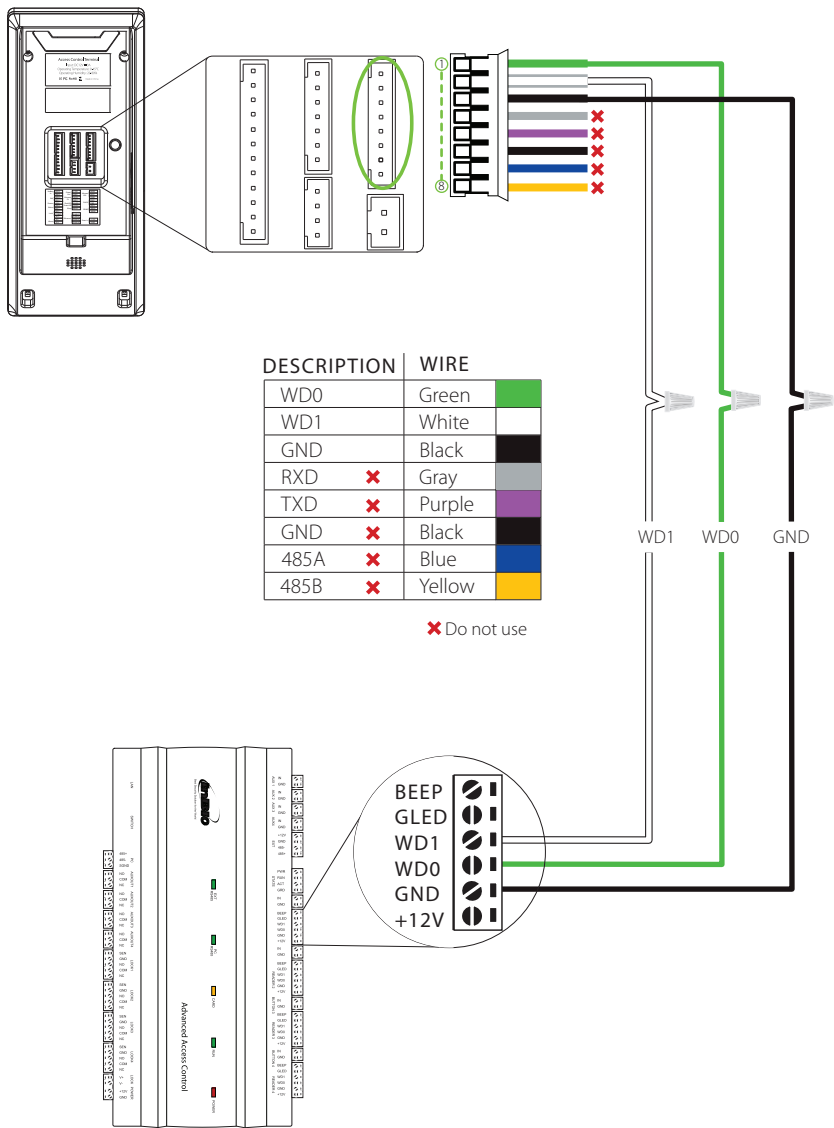
Lock Relay Connection

❖ Device Sharing Power with the Lock

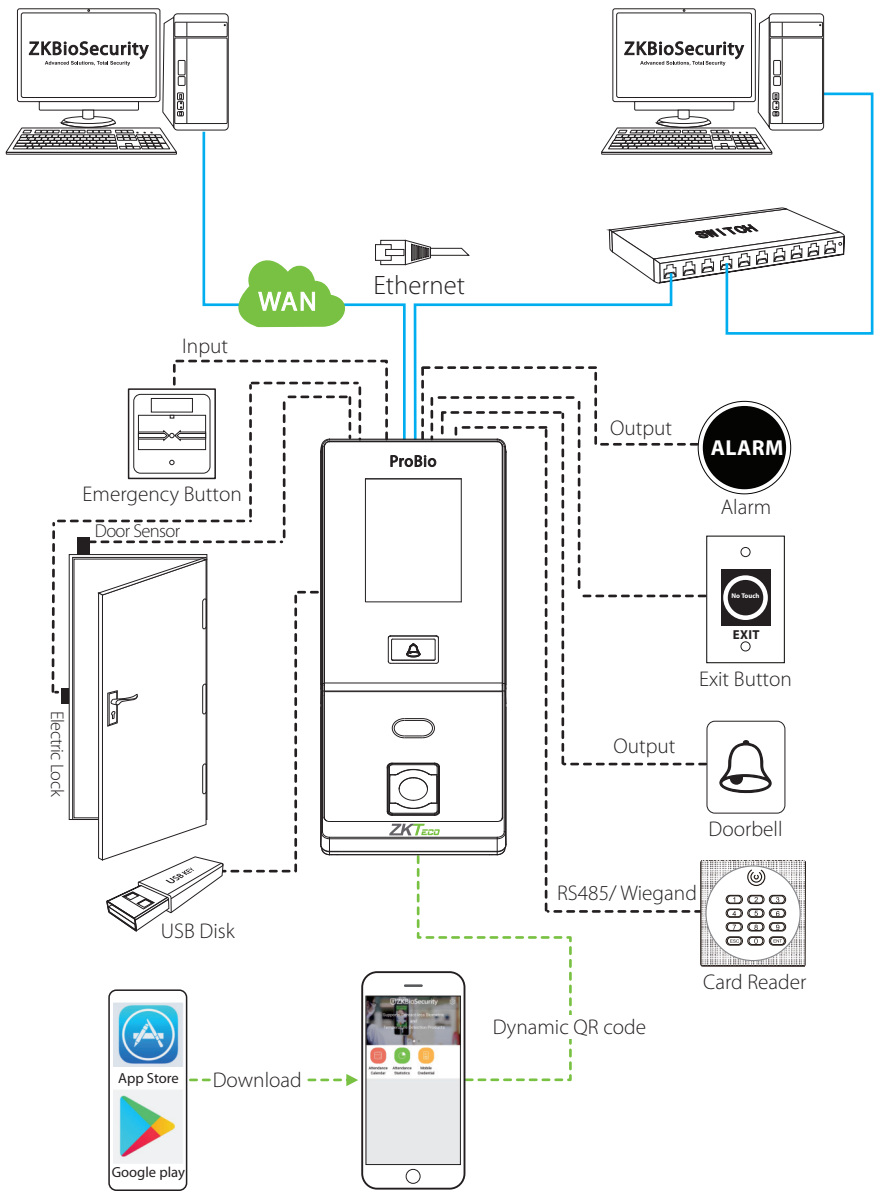


Do not reverse the polarities.

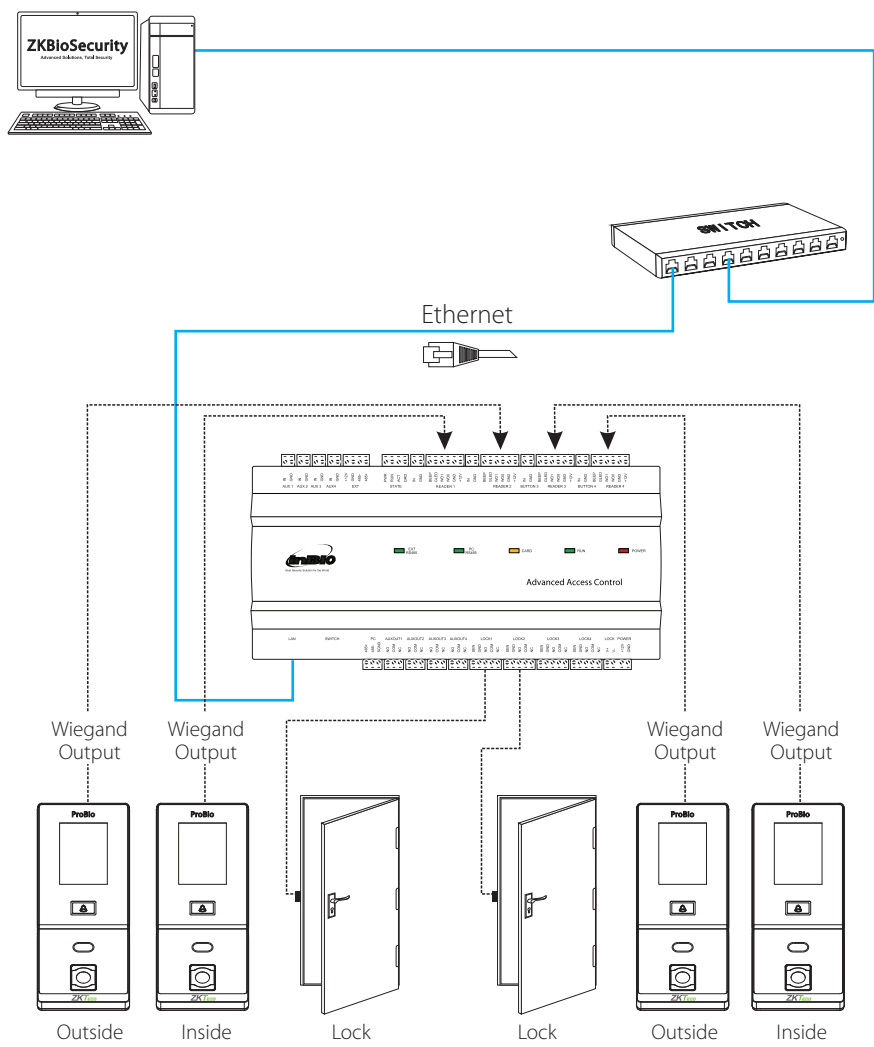
Wiegand Output Connection



Standalone Installation



Third-Party Controller



Troubleshooting & Download Center

❖ Troubleshooting

1. "Invalid time zone" is displayed after verification.

- Contact the Administrator to check if the user has the privilege to gain access within that time zone.

2. Verification succeeds, but the user still cannot gain access.

- Check whether the user privilege is set correctly.
- Check whether the lock wiring is correct.
- Check whether anti-passback mode is in use. In anti-passback mode, only the person who has entered through that door can exit.

3. The Tamper Alarm rings continuously.

- To cancel the triggered alarm mode, carefully check whether the device and back plate are securely connected to each other, and reinstall the device properly if necessary.

❖ Download Center

Use the Mobile phone and scan the QR Code to download the User Manual, Installation Guide and Quick Start Guide.



Download Center



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