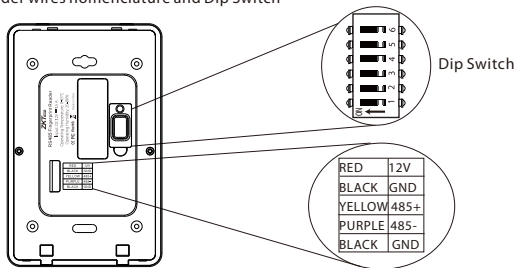


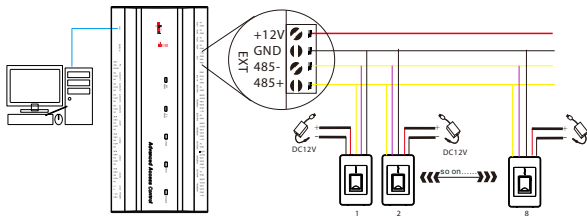
Wiring Terminals

This reader is an innovative Silk ID reader. It needs to be connected to a host machine so that fingerprint information can be transferred through Rs485.

Reader wires nomenclature and Dip Switch



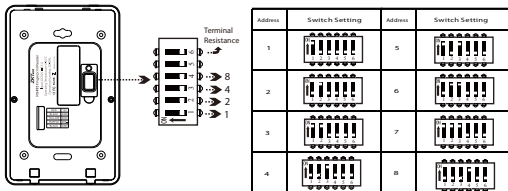
1. Connection with a Control Panel.



Connected as inBIO Pro Reader(with External 485), maximum 8 readers can be connected. The reader requires a separate power supply.

Working Principle

> Dip Switch setting with control panel



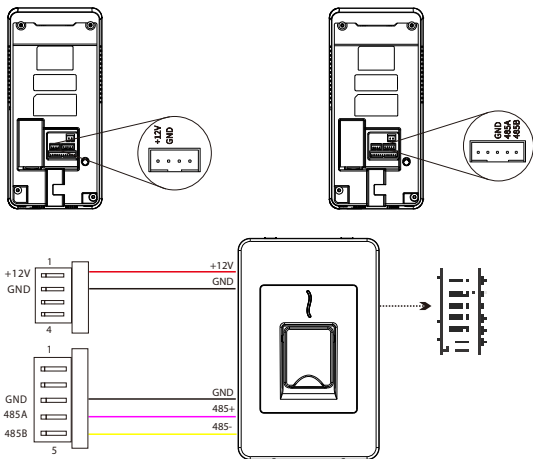
Number 1, 2, 3, 4 of the dip switch are used to set the address of RS485, 5 is the restart switch, and 6 is the Terminal Resistance.

Number 5 is the restart switch: dial up and dial down. The machine will restart. The right side figure shows the address number setting.

Number 6 switch is used to set the terminal resistance in RS485.

Communication: 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-.

2. Connection with a Standalone Access Controller



When using the reader with Standalone access controller device, please move the dial code "1" to the ON position as shown above.

Verification Process

Connection with the controller:

Unsuccessful:	LED flashes blue light twice every one second.
Successfully:	LED flashes blue light once every one second.

When verifying the fingerprint or punching the card:

Successful Verification:	Green LED lights, short BEEP
Authentication error:	Red LED lights, two short and a long BEEP
Data Error:	Red LED lights, one short and a long BEEP
Timeout:	Red LED lights, four short BEEP
Authentication failed:	Red LED, two short BEEP
No rights:	Red LED, three short BEEP
Verify unfinished:	Red LED flashes three times

Safety Precautions

1. Power cable should be connected at last, after all the wiring. If the device is working abnormally, immediately shutdown the device.
2. Please read the terminals description and wiring by rule strictly. Any damage caused by improper operations will be out of the range of our guarantee.
3. Please connect the 'GND' before all the other wiring especially under the serious electrostatic environment.
4. Keep the exposed part of wire less than 5mm to avoid unexpected connection, and result in machinery damage.
5. If the distance between power supply and device is little long, please do not use the Internet cable or other types of cable instead. When choosing the power supply cable, you should consider that the transmission distance may cause voltage attenuation.