Quick Start Guide
ProRF

Version: 1.0
Date: Nov. 2018

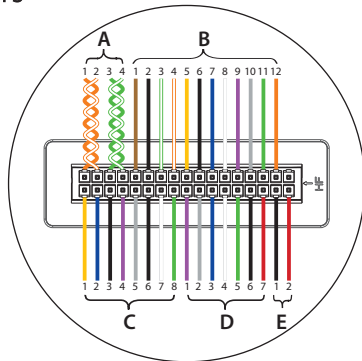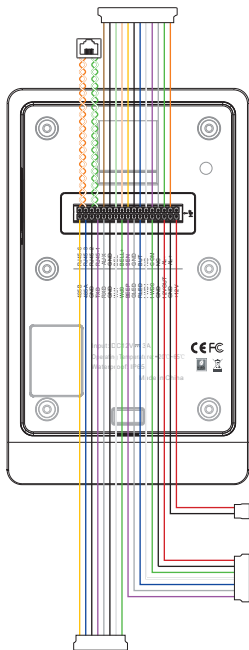# Overview

LED indicator

Reset Button

Magnetic tamper switch
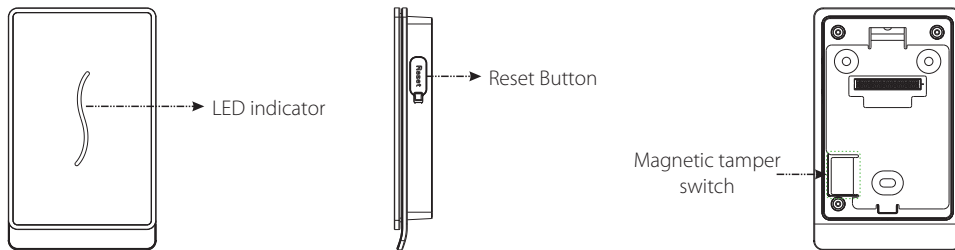
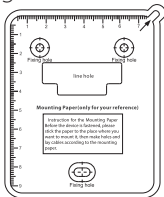| Name	Description
LED indicator	• Green flashes once in a second: verifying, enrollment or deletion status. • Green glows continuously for 2 seconds: Authentication success • Red glows continuously for 2 seconds: Authentication failure
Reset	• Reboot the device: press the reset button and hold it for 3 seconds.
Magnetic Tamper Switch	• Restore factory setting • Tamper Switch: keep the magnetic tamper switch on back plate, or it will trigger the tamper alarm.

Cables and connectors

PIN	DESCRIPTION	WIRE	
A1	RJ45-6	Orange	
A2	RJ45-3	Orange+White	
A3	RJ45-2	Green	
A4	RJ45-1	Green+White	
B1	AUX	Brown	
B2	GND	Black	
B3	BELL-	Green+White	
B4	BELL+	Orange+White	
B5	SEN	Yellow	
B6	GND	Black	
B7	BUT	Blue	
B8	NO	White	
B9	COM	Purple	
B10	NC	Gray	
B11	AL-	Green	
B12	AL+	Orange	
C1	485B	Yellow	
C2	485A	Blue	
C3	GND	Black	
C4	TXD	Purple	
C5	RXD	Gray	
C6	GND	Black	
C7	WD1	White	
C8	WD0	Green	

PIN	DESCRIPTION	WIRE	
D1	BEEP	Purple	
D2	GLED	Gray	
D3	RLED	Blue	
D4	IWD1	White	
D5	IWD0	Green	
D6	GND	Black	
D7	12VOUT	Red	
E1	GND	Black	
E2	+12V	Red	

Installation
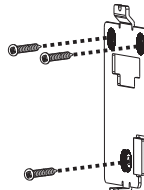
1) Paste the mounting template sticker on the wall, and drill holes according to the mounting paper.

2) Fix the back plate on the wall using wall mounting screws.
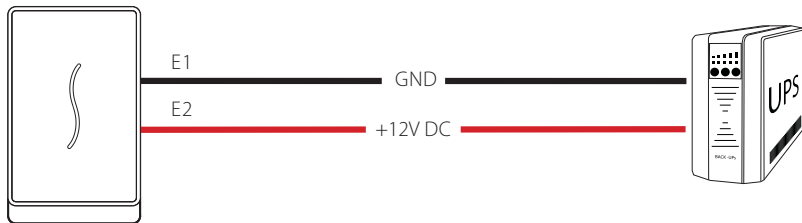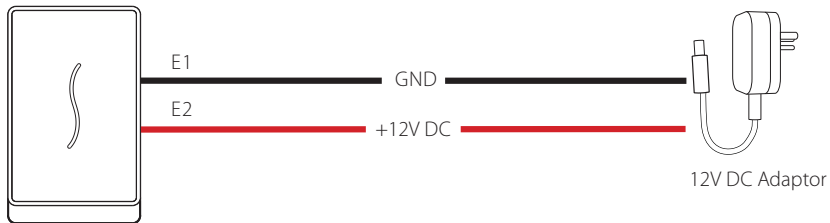
3) Attach the device to the back plate.

4) Fix the device to the back plate with a security screw.

Power Connection

E1 — GND — 12V DC Adaptor

E2 — +12V DC

E1 — GND — UPS

E2 — +12V DC

Recommended power supply

1)12V ± 10%, at least 500mA.

2)To share the power with other devices, use a power supply with higher current ratings.

Ethernet Connection

1) The device connects to the computer over an Ethernet through a switch.

Ethernet Cable

RJ 45

Network Cable Adaptor
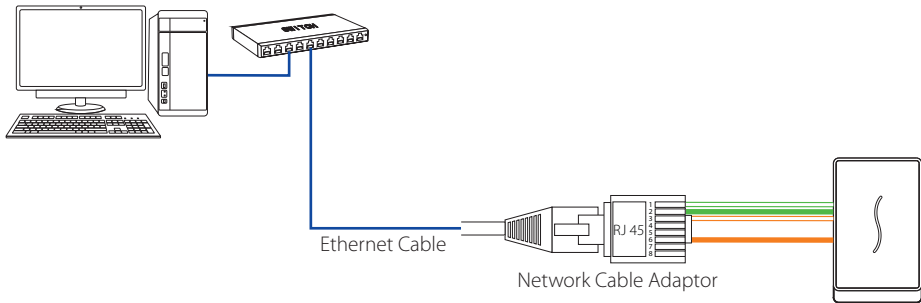
2) The device directly connects to the computer.

Ethernet Cable

Default IP address: 192.168.1.201
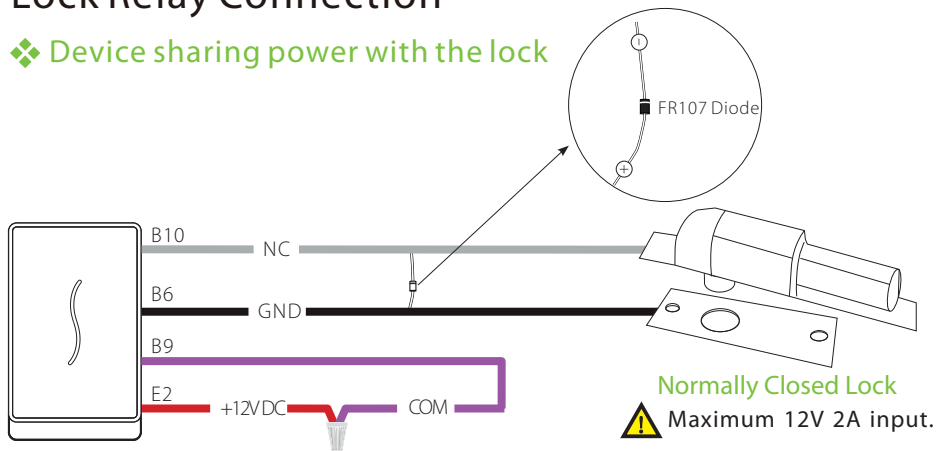Subnet mask: 255.255.255.0
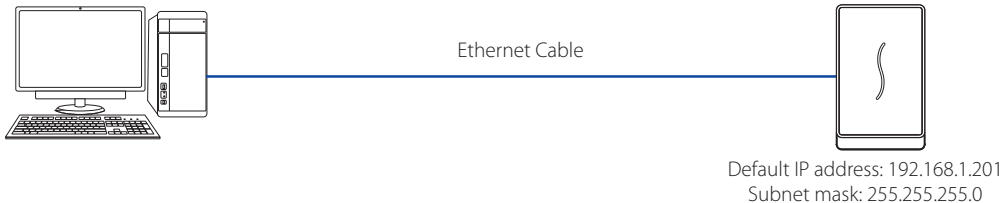
Lock Relay Connection

The system supports Normally Opened Lock and Normally Closed Lock.
Take Normally Closed Lock as an example below:
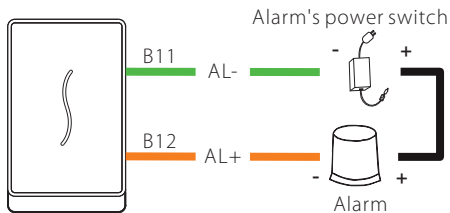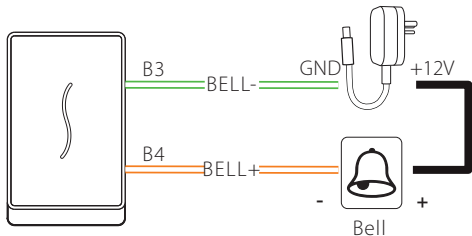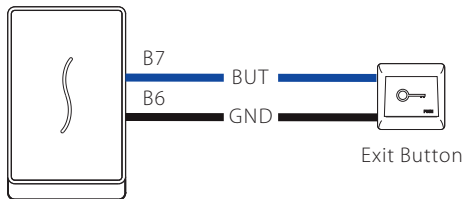
❖ Device not sharing power with the lock

FR107 Diode

B10

NC

B9

Normally Closed Lock

GND

COM +12VDC

⚠ Maximum 30V 2A input.
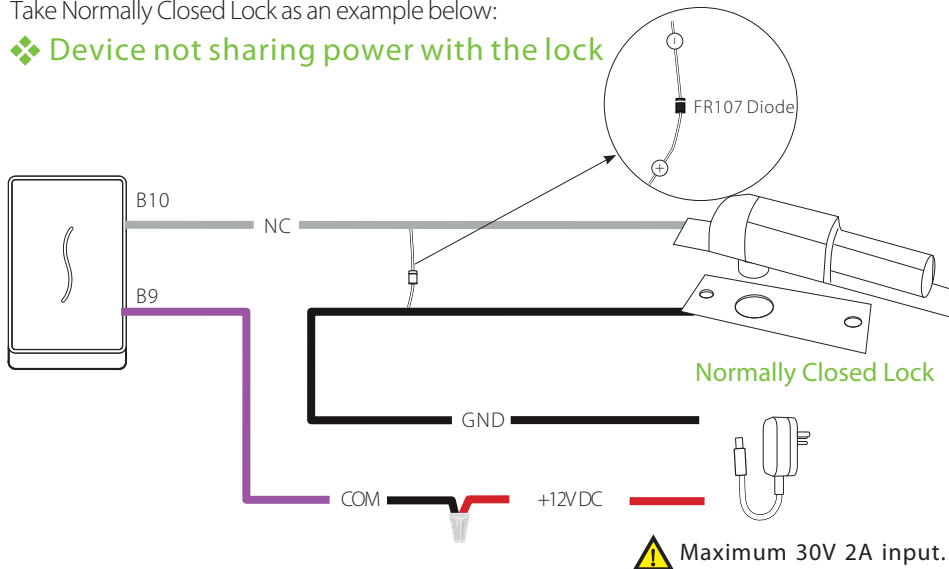
Lock Relay Connection

❖ Device sharing power with the lock

FR107 Diode

B10 — NC

B6 — GND

B9

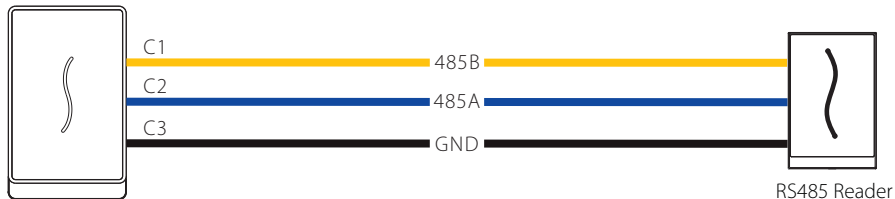E2 — +12VDC — COM

Normally Closed Lock

⚠ Maximum 12V 2A input.

Notes:

1.The system supports Normally Opened Lock and Normally Closed Lock. The NO LOCK (normally opened at power on) is connected with 'NO' and 'COM' terminals, and the NC LOCK (normally closed at power on) is connected with 'NC' and 'COM' terminals.

2. When electrical lock is connected to the Access Control System, you must add one FR107 diode in parallel (equipped in the package) to prevent the self-inductance EMF from affecting the system.
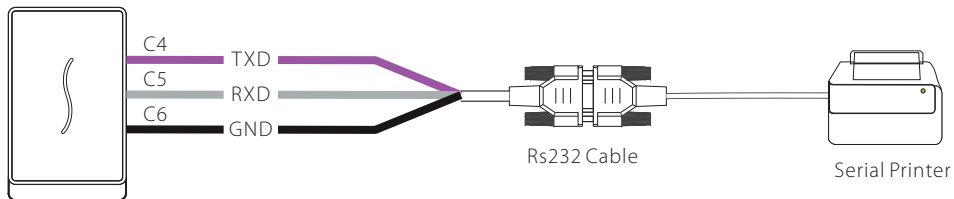
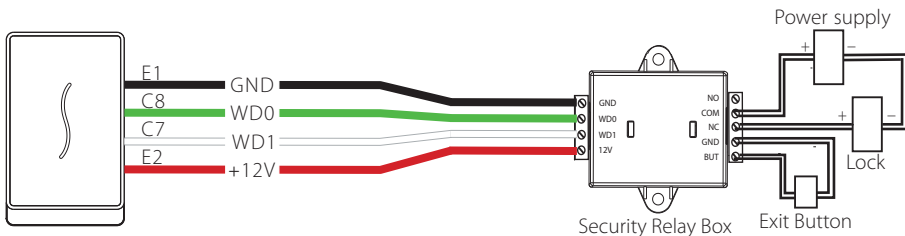# Door Sensor, Exit Button, Bell & Alarm Connection

B5 — SEN
B6 — GND

Door Sensor

B7 — BUT
B6 — GND

Exit Button

B3 — BELL- — GND — +12V
B4 — BELL+

- +

Bell

B11 — AL-
B12 — AL+

Alarm's power switch
- +

- +

Alarm

RS485 Connection

C1	485B	
C2	485A	
C3	GND	

RS485 Reader
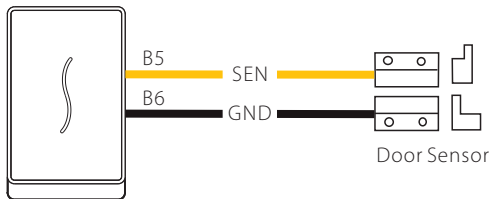
RS232 Connection(optional)

C4	TXD
C5	RXD
C6	GND

Rs232 Cable

Serial Printer

Wiegand Output Connection

After a successful verification, the device will send Wiegand signals to the SRB access controller, then the SRB will output relay signals to trigger the relay to unlock the door.

Power supply

E1	GND
C8	WD0
C7	WD1
E2	+12V

GND
WD0
WD1
12V

NO
COM
NC
GND
BUT

Lock

Security Relay Box

Exit Button

Wiegand Input Connection

E1	GND
D5	IWD0
D4	IWD1
E2	+12V

Wiegand Reader
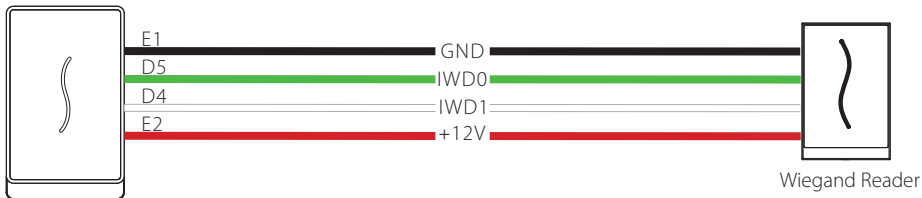
Standalone Installation
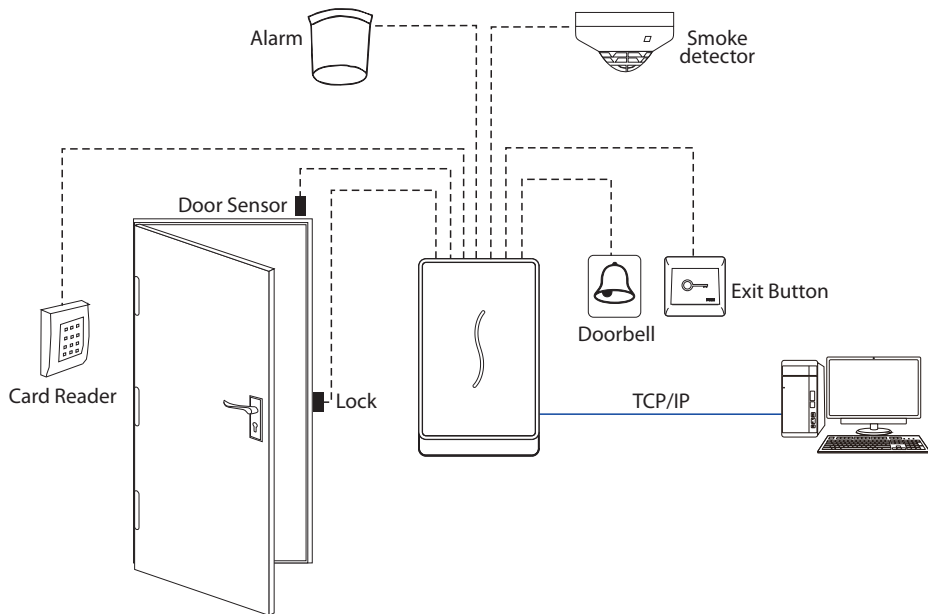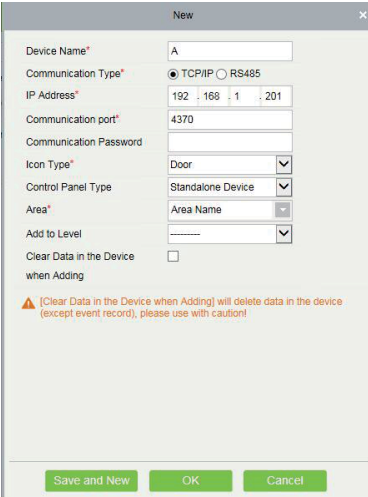
Quick Start Operations

Suppose the device is connected with PC and the software (ZKBiosecuty 3.1.5.0) is installed. Double-click the ZKBiosecuty icon on the desktop to open.

❖ Add Device

Click [Access Device] > [Device] > [New], enter device name and IP Address of the device and click [OK]. The following interface will be shown:

Note:

1. IP addresses of the server (PC) and the device must be in the same network segment. The default IP Address of the device is 192.168.1.201.
2. Please set the device type to standalone device.
3. Once IP address and communication password missing, please refer Reset function.

❖ Add Personnel

1. Click [Personnel] > [Personnel] > [New] to add personnel information and set access levels .

❖ Access Control Setting

User can set Access Control Time Zones, Access Control Holiday, Door Settings, Access Levels, Personnel Access Levels and so on in Access Control interface. For more details, please refer the user manual and the software instruction.

❖ Sync All Data to Device

The system will synchronize the data to the device, including door information, access control levels (personnel information, access control time zones), and so on. Select device, click [Synchronize All Data to devices] and click [OK] to complete synchronization.
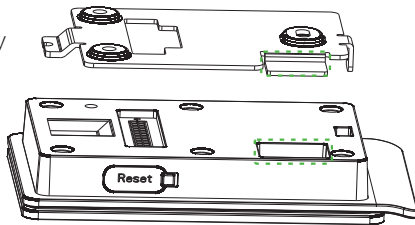
❖ Tips

Forgot the password/IP address?

Trigger the magnetic tamper switch three times quickly within 30-60 seconds of the device start-up. (After operation successfully, beep sound continue and device reboot automatically.)

This process restores factory settings, such as device password, IP address, etc.