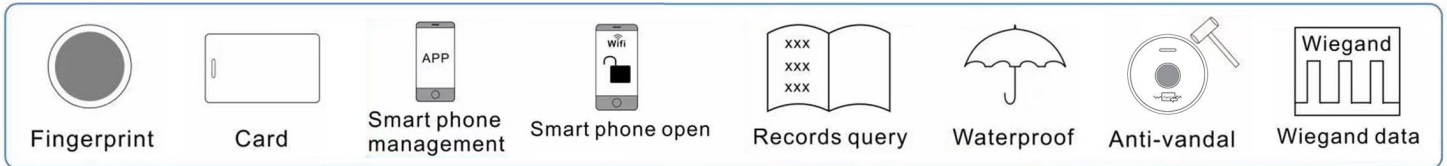# FINGERPRINT/WI-FI ACCESS CONTROL READER

Product Features

- **Operating way:** Fingerprint/Card/Mobile Application.
- **Working mode:** Pulse Mode, Toggle Mode.
- High sensitivity semi-conductor finger print sensor.
- **Indication:** LED and electronic buzzer.
- Multi-functional standalone access control with wiegand 26.
- Suitable for all kinds of access control system.
- Built-in high-current output drive for the electric lock.
- Support admin card for add and delete function.
- Data backup function to check visitor records.

Tuya application function

- Remote unlock by mobile application.
- Manage users from mobile application.
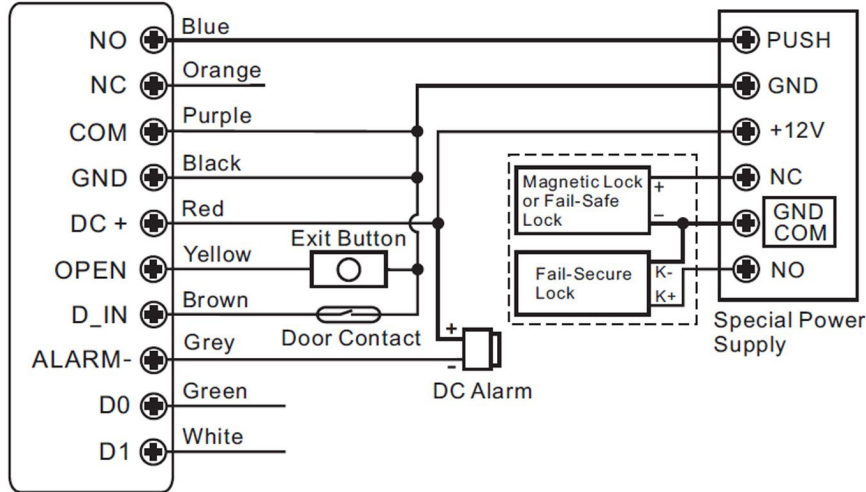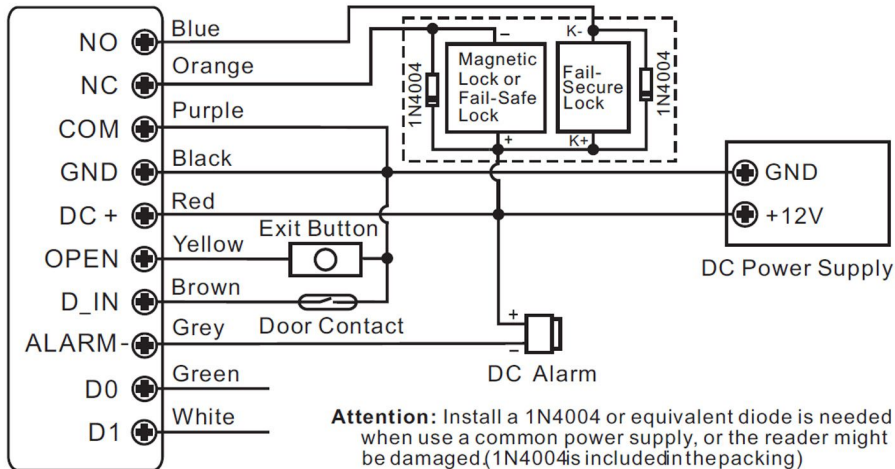- Door status check with app.

| Fingerprint | Card | Smart phone management | Smart phone open | Records query | Waterproof | Anti-vandal | Wiegand data |

Technical Specification

Model	F-F7DW
Card Capacity	400
Fingerprint Capacity	200
Working Mode	Pulse mode, Toggle mode
Card Type	EM(ID) card 125KHz
Output Format	WG26 Output/Input,
Open Mode	Fingerprint/ Card/ Mobile Application
Operating Voltage	DC 12V-24V ±10%
Operating Current	<80mA
Idle Current	40±5 mA
Lock Output Load	Max 2A
Card Reading Distance	30~60mm
IP Rating	IP66
Operating Temperature	-40°C~60°C
Operating Humidity	0%-98% RH
Dimensions	φ63*16(mm)

Wiring Diagram

Special Power Supply

NO	Blue	PUSH
NC	Orange	GND
COM	Purple	+12V
GND	Black	NC
DC +	Red	GND COM
OPEN	Yellow	NO
D_IN	Brown	
ALARM-	Grey	
D0	Green	
D1	White	

Exit Button

Door Contact

DC Alarm

Magnetic Lock or Fail-Safe Lock

Fail-Secure Lock

Special Power Supply

DC Power Supply

NO	Blue
NC	Orange
COM	Purple
GND	Black
DC +	Red
OPEN	Yellow
D_IN	Brown
ALARM-	Grey
D0	Green
D1	White

Magnetic Lock or Fail-Safe Lock

Fail-Secure Lock

1N4004

Exit Button

Door Contact

DC Alarm

GND

+12V

DC Power Supply

Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the reader might be damaged.(1N4004 is included in the packing)

Connection Details

NO.	Function	Colour	Notes
1	NC	Orange	Relay NC
2	COM	Purple	Relay COM
3	NO	Blue	Relay NO
4	GND	Black	Negative Pole, Connect to power supply Negative Pole
5	DC+	Red	Positive Pole, Connect to power supply Positive Pole
6	OPEN	Yellow	Exit Button
7	D_IN	Brown	Door Contact
8	ALARM-	Grey	Connect to external alarm negative pole
9	D0	Green	Wiegand Output/Input Data 0
10	D1	White	Wiegand Output/ input Data 1