
1CH With Optocoupler Isolation Relay Module User Manual

● Module Description

1. The module uses high-quality relay, the maximum load of the normally open interface: AC 250V/10A, DC 30V/10A;
2. Using patch optocoupler isolation, strong driving ability, stable performance; trigger current 5mA;
3. The module working voltage is available in 5V, 9, 12V, 24V;
4. The module can be triggered by a jumper to set a high level or a low level;
5. Fault-tolerant design, even if the control line is broken, the relay will not move;
6. Power indicator (green), relay status indicator (red)
7. The interface design is user-friendly, all interfaces can be directly connected through the terminal block, very convenient
8. Module size: 50mm * 26mm * 18.5mm (length * width * height)
9. With 4 fixing bolt holes, hole 3.1mm, spacing 44.5mm*20.5mm

- Module Interface

1. DC+: Connect the positive pole of the power supply (the voltage is required by the relay, there are 5V.9V.12V and 24V selection)

2. DC-: connected to the negative pole of the power supply

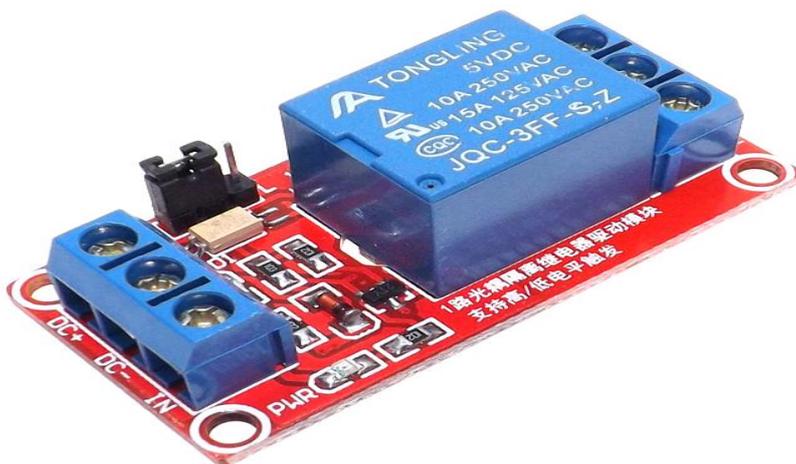
3. IN: can control the relay to pull high or low

- Relay Output

1. NO: The relay normally open interface, the relay is suspended before the suction, and the short is connected with COM after the suction.

2. COM: relay common interface

3. NC: The relay normally closes the interface, and the relay is shorted to COM before the suction is closed.



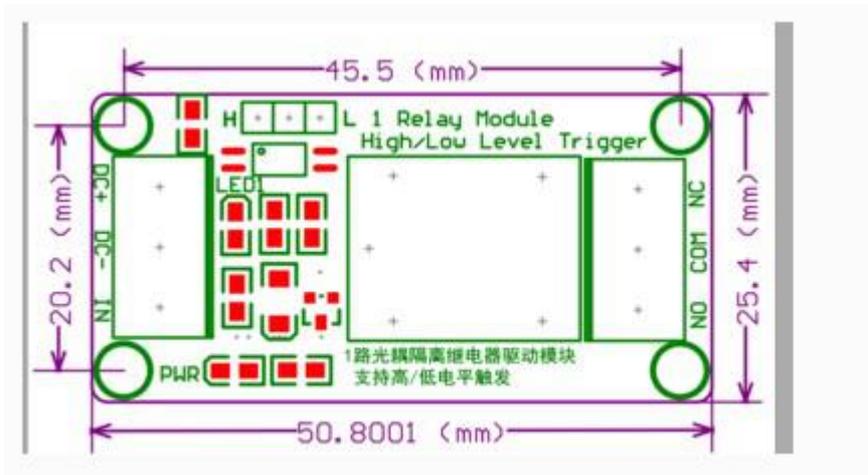
● Technical Parameters

Relay Version	Quiescent Current	Maximum Current	Trigger Current	Trigger Voltage (Low)	Trigger Voltage (High)
5V	5mA	190mA	2-4mA	0-1.5V	2.5-5V
12V	5mA	80mA	2-4mA	0-4V	4.5-12V
24V	5mA	50mA	2-4mA	0-8V	8.5-24V

● High and low trigger selection

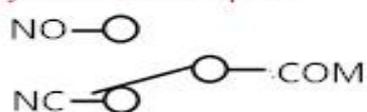
1. When the jumper is shorted to LOW, it is triggered by low level;
2. When the jumper is shorted to high, it is triggered by a high level.

● Mechanical Dimensions



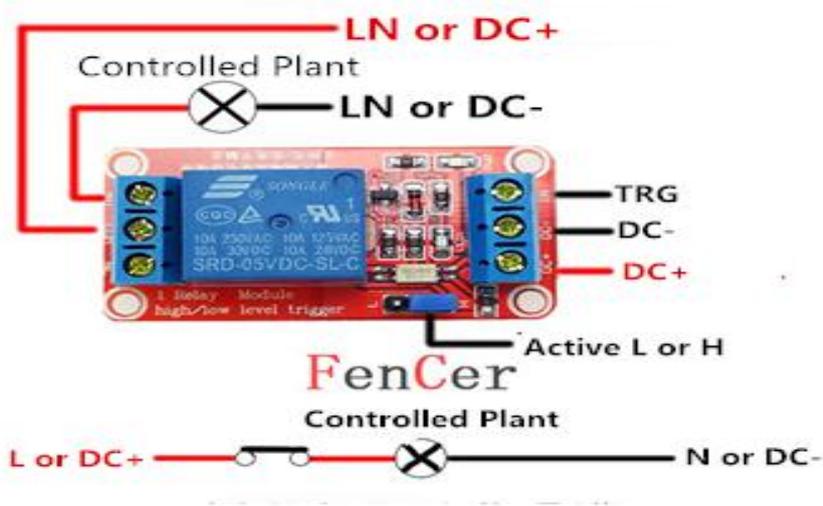
- Wiring can refer to the wiring diagram below

Relay Switch Output



No voltage, COM and NC connect; With voltage, COM and NO connect

NO Connection



NC Connection

