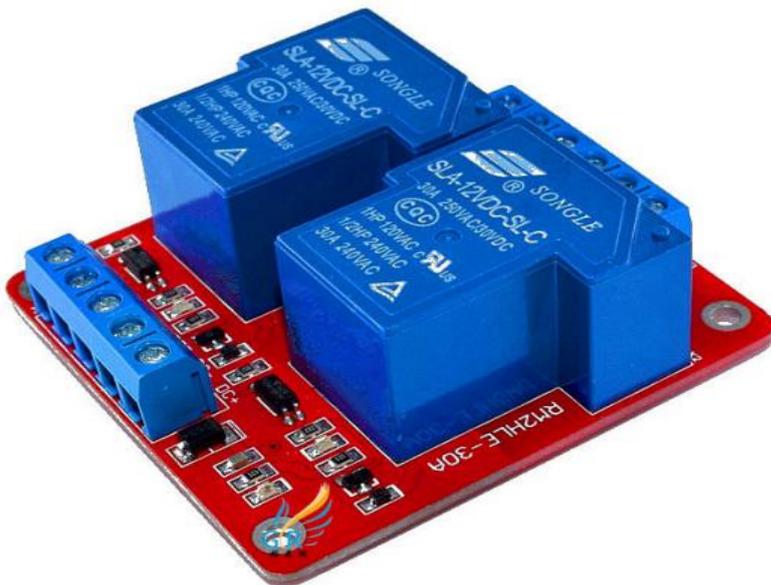


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Two-way isolated 2-way high-power relay control module, can select high-level or low-level signal trigger, only need 3mA current to drive the relay with 30A control capacity, the module uses genuine high-quality power relay, high-quality ultra-small Package optocoupler, high power and high voltage triode, red and blue signal indicator, double-sided PCB board, layout board comprehensive, stable performance, can be widely used in various power control applications. Module operating voltage is available in 5V, 12V, 24V.



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- Module description

1. The module uses genuine high-quality relay, the maximum load of the normally open interface: AC 250V/30A, DC 30V/30A;
2. Using the industry's high-quality ultra-small bidirectional isolation optocoupler, stable performance; trigger current only needs 3mA;
3. The module working voltage is available in 5V, 12V, 24V;
4. The user can choose the control level of the relay, it can be high level pull-in, or low-level pull-in; the module contains current-limiting resistor, you can directly use the positive and negative control of the power supply, you can also use the I of the single-chip microcomputer /O port control;
5. Fault-tolerant design, even if the control line is broken, the relay will not move;
6. Power indicator (red), 2 relay status indicator (blue)
7. The interface design is user-friendly, all interfaces can be directly connected through the terminal block, very convenient

- Module interface

Module control terminal: 5-wire interface, all interfaces have terminal blocks for user wiring

1. DC+: external DC power supply positive (5V, 12V and 24V modules are available)
2. DC-: external DC power supply negative
3. VREF: optical isolation control terminal reference ground,

If high level control is used: this signal should be connected to the negative terminal of the user control board power supply.

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If low level control is used: this signal should be connected to the positive side of the user control board power supply.

- CH1, CH2: relay control interface,

If VREF is connected to the negative pole of the power supply: this port is high (relative to VREF) and the corresponding relay is connected.

If VREF is connected to the positive power supply: this port is low (relative to VREF) when the corresponding relay is connected

- Note: The isolated relay module is designed to adapt to the harsh electromagnetic environment or high signal requirements. If you want to achieve complete isolation, the power of the user control board (that is, the reference power supply connected to VREF) and the power supply of the relay module. (DC+/DC-) should be separated. If the two power supplies are common, the effect of complete isolation will not be achieved. At this time, users can choose our more economical standard relay module.
- Relay output: 6-wire interface, all interfaces have terminal blocks for user wiring
  1. NO1-NO2: relay normally open interface, the relay is suspended before the suction, after the suction and short circuit with COM
  2. COM1-COM2: relay common interface
  3. NC1-NC2: relay normally closed interface, short-circuit with COM before the pull-in of the relay, float after hanging