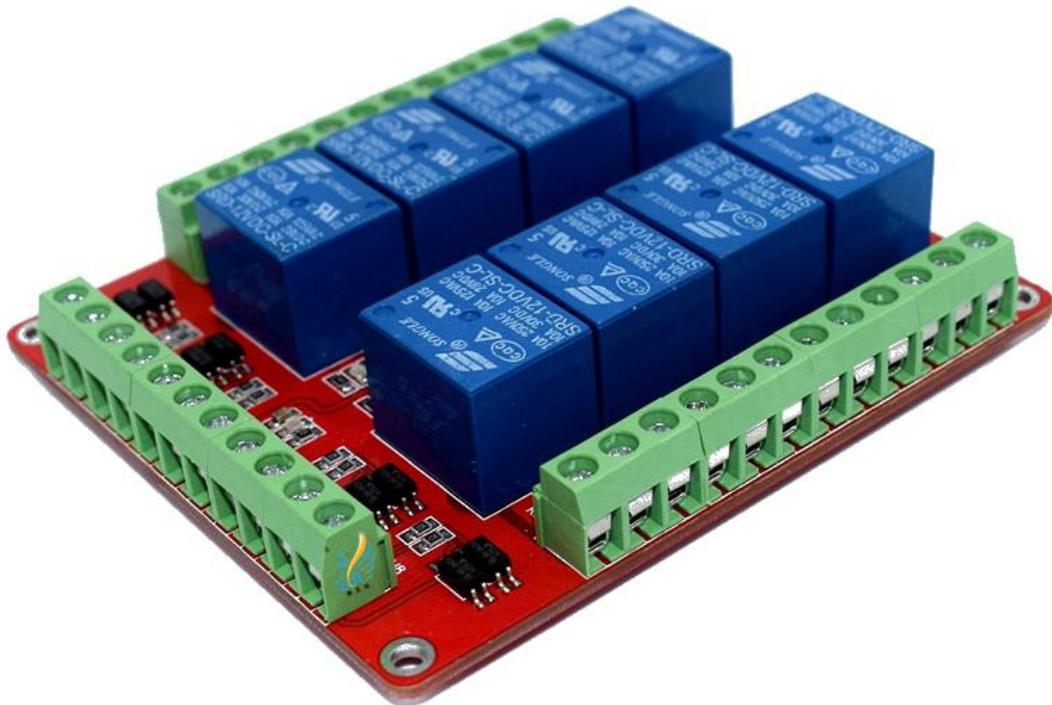


RM8HLE 8CH Isolated Relay Module

The bidirectional isolated 8-way relay control module can select the high level or low level to control the relay pull-in according to the user's needs. The module adopts genuine high-quality power relay, and the module working voltage is 5V, 12V, 24V to choose ;



- Module description
 1. The module uses genuine high-quality relay, the maximum load of the normally open interface: AC 250V/10A, DC 30V/10A;

2. Using high-quality ultra-small two-way isolated optocoupler, stable performance; trigger current only needs 3mA;
3. The module working voltage is 5V, 12V, 24V to choose from; another 1, 2, 4, 8 modules are available;
4. The user can select the control level of the relay, which can be high level pull-in or low level pull-in; the module contains current-limiting resistor, which can directly use the positive and negative control of the power supply, or use the single-chip microcomputer I/O port control;
5. Fault-tolerant design, even if the control line is broken, the relay will not move;
6. Power indicator (red), 8-way relay status indicator (blue)
7. All interfaces can be directly connected through the terminal block, very convenient

- Module interface

Module control terminal: There is an 11-line interface, all interfaces can be directly connected to the cable for user convenience.

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.

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

4. CH1-CH8: 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 the complete isolation effect is to be achieved, the power of the user control board (ie 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, it is not completely isolated. At this time, users can choose our more economical standard relay module.

Relay output: 24-wire interface, all interfaces can be directly connected to facilitate user access

1. NO1--NO8: relay normally open interface, the relay is suspended before the suction, after the suction is shorted with COM
2. COM1--COM8: relay common interface
3. NC1--NC8: relay normally closed interface, short-circuit with COM before the pull-in of the relay, and float after the suction