



RM4HLE 4 relay module / expansion board / double direction optocoupler isolation / high and low Optional 5/12 / 24V / optional

Isolated four-way relay control module, you can choose high or low signal triggers, you can drive only 3mA current of 10A's ability to control relay, power relay module using genuine quality, the industry's top ultra-compact package optocouplers, high-voltage power transistor, red, blue signal lights, military-grade double-sided PCB board, cloth board to consider a comprehensive, stable performance, can be widely used in a variety of power control type applications.

1, the module using genuine high quality relay, normally open interface Maximum load: AC 250V / 10A, DC 30V / 10A;

2, using the industry's top-quality ultra-compact double direction optocoupler isolation, anti-interference ability, stable performance; the trigger current is only 3mA;

- 3, the module voltage 5V, 12V, 24V options; otherwise one-way, 2-way, 4-way, 8-way modules to choose from;
- 4, the user can select the relay control level high or low level; module containing current limiting resistor can be used directly to control the power of positive and negative, I can also use the microcontroller / O port control;
- 5, fault-tolerant design, even if the control line is broken, the relay will not operate;
- 6, the power indicator (red), 4 relay status indicator (blue)
- 7, interface design user-friendly, all interfaces are available through direct connection terminal wiring leads, very convenient
- 8, module size: 7.5cm * 5.0cm * 1.8cm (L * W * H)
- 9 with four mounting bolts holes for easy installation

Module control side: a 7-line interface, all interfaces are terminals, user wiring

- 1, DC +: external power supply DC positive (with 5V, 12V and 24V modules to choose from)
- 2, DC -: external DC power supply negative
- 3, VREF: opto-isolated ground reference control terminal,

If high-level control: This signal should be connected to the negative power of user control panel

If low-level control: This signal should be connected to the positive supply user control panel

- 4, CH1-CH4: relay control interface

If the power supply is negative VREF: This port is high (as opposed to VREF) when the corresponding relay

If VREF positive power supply: When this port is low (as opposed to VREF) corresponding relay

Note: Isolated relay module is designed to adapt to the environment is bad or electromagnetic signals require a relatively high occasions, if you want to achieve complete isolation, the user control panel power supply (ie, connected VREF reference power supply) power supply and relay modules (DC + / DC-) should be distinguished, if the two power supply of land, it is not completely isolated from the effect, then the user can choose our more economical standard relay module.

Relay outputs: a 12-line interface, all interfaces are terminals, user wiring

- 1, NO1 - NO4: normally open relay interface and relay before vacant after the pull with COM
- 2, COM1 - COM4: Relay Common Interface
- 3, NC1 - NC4: normally closed relay interface and relay before with COM, after the pull-vacant