5V low level trigger One 1 Channel Relay Module interface Board Shield For PIC AVR DSP ARM MCU Arduino

Product introduction:

1, this module meet safety standard, control areas and load area have the isolation groove;

2, the double FR - 4 circuit board design, high-end SMT process;

3, the relay control;

4, have power and relay operation instructions, and bright, disconnect the dawn;

5, signal input with low level signal, the common and often start conduction;

6, relay can directly control all kinds of equipment and load;

7, one often opened a normally closed contact;

8, blue KF301 terminal line more convenient.

9, module size: 43 x17x18. 5 mm;Net weight: 15 g

Module interface:

Input part:

The positive (VCC: connect 5 v power supply according to the relay voltage power supply)

GND: 5 v power supply cathode

IN: relay module (effective) low level trigger signal trigger end

High level and low level meaning:

High level trigger refers to using the anode voltage at the VCC connection way of a trigger and trigger the end, when the trigger side has the positive voltage or to trigger voltage when the relay is off.

Low level trigger refers to using the negative voltage at the GND connection way of a trigger and trigger the end, when the trigger side has 0 v low voltage or voltage to can trigger, the relay is off.

Electrical parameters:

Voltage static current working current trigger voltage trigger current version
5 v 4 ma ma 65 0-2 v 2 ma
9 v, 5 ma ma 45 v 0 to 4 3 ma
The 12 v 5.5 3 mA mA mA 0-4 42 v
24 v 12 ma ma 40 0-12 v 3 ma
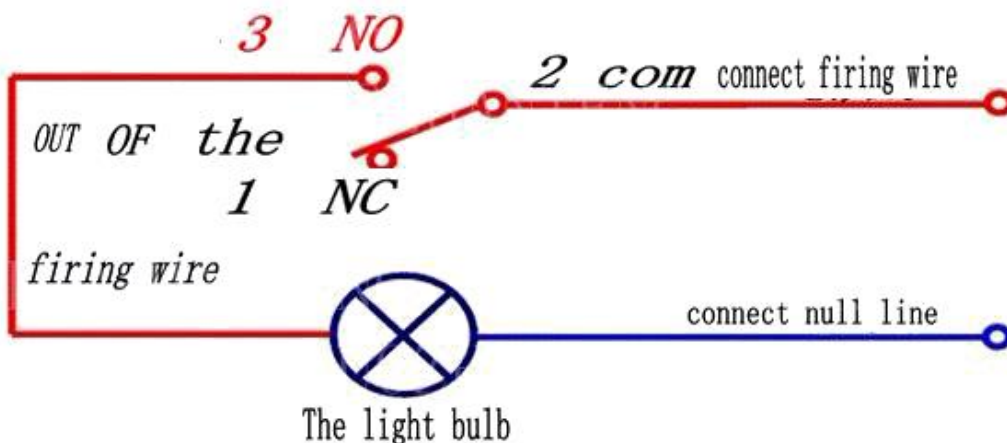**10 a relay contact capacity: 250 v (AC) or 30 v 30 a (DC)**
Product use:
1. The module of power supply: power supply must be dc, voltage to the relay
2. The public end of the relay, normally open, normally closed, just single pole double throw switch, wiring method is as follows

Relay connection diagram:

1	NC	①
2	COM	②
3	NO	③

Relay terminal blocks

connect firing wire

Out of the firing wire

connect null line

Relay connection diagram

3   NO

2 *com* connect firing wire

OUT OF the
1   NC

firing wire

connect null line

The light bulb

Relay connection circuit principle diagram