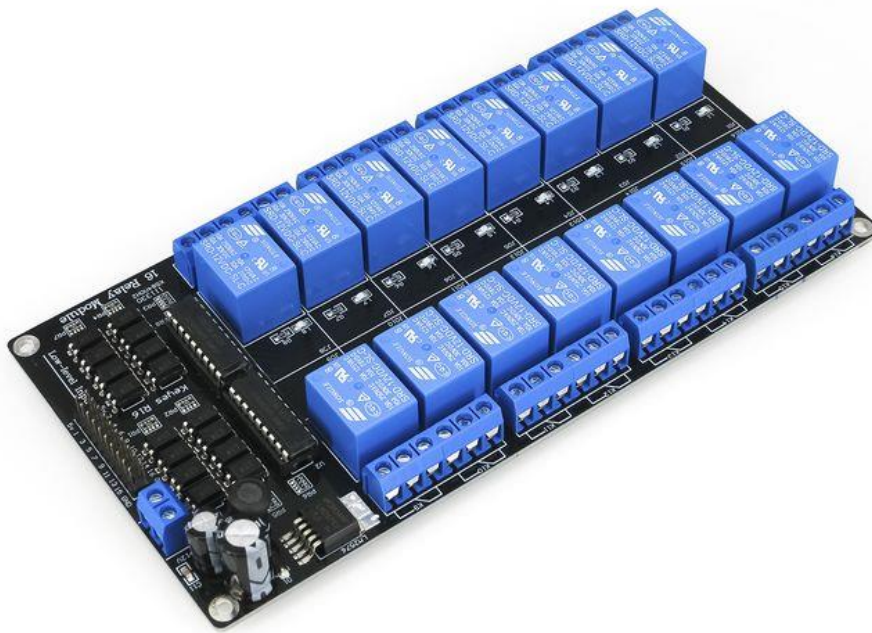


# 16 Relay Module-12V



## 1.Overview

This is a relay module that operates at DC 12V. The relay uses Single relay, output contact capacity 10A 250VAC, 10A 30VDC, easy to use in home appliances or industrial control.

It contains 16 control circuits, all of which are active low, that is, relays are connected in low level. Each relay adopts optocoupler isolation, which is safe and reliable, and has high anti-interference.

## 2. Specifications

- Working voltage: 12V (DC)
- The relay uses Single relay, output contact capacity 10A 250VAC, 10A 30VDC, easy to use in home appliances, or industrial control.
- 16 channels are active LOW
- Each relay has normally open and normally closed contacts
- 16 channels are optocoupler isolation, safe and reliable, high anti-interference
- With power indicator. Each of the 16 channels has a status indicator

## 3. Wiring method



2Pin terminal blocks: +12V GND, used to connect external drive power DC 12V.



34pin headers of 2.54mm pin pitch, for connecting microcontrollers;

GND VCC are used for powering the microcontrollers, with voltage of 5V;

Pin 1-16 are used for connecting the microcontroller's signal end. When the signal pin is LOW, relay is connected.



Output contacts, including normally opened and normally closed.

#### 4.Test Code

```
////////////////////////////////////
```

```
int BASE = 2;

int NUM = 16 ;

void setup()

{

  for (int i = BASE; i < BASE + NUM; i ++ )

  {

    pinMode(i, OUTPUT);

  }

}

void loop()

{

  for (int i = BASE; i < BASE + NUM; i ++ )

  {
```

```
digitalWrite(i, LOW);

delay(200);

}

for (int i = BASE; i < BASE + NUM; i ++)
```

```
{

digitalWrite(i, HIGH);

delay(200);

}

}

////////////////////////////////////
```