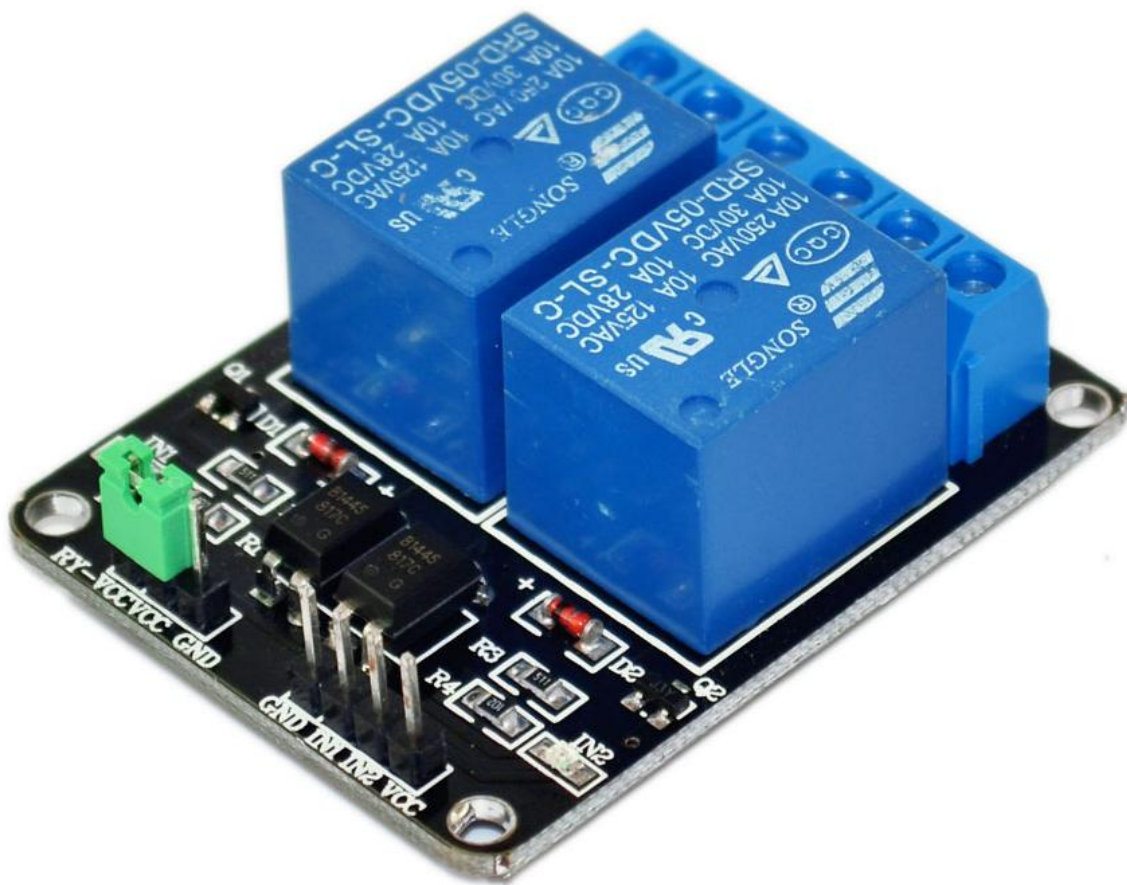


Arduino Compatible 2 Way Relay Module



When using Arduino for interactive projects, many high-current or high-voltage devices can't be directly controlled by the Arduino's digital IO port(such as solenoid valve, electric lamp, motor, etc.), you can solve the problem through relay at this time.

Arduino Relay Shield is the Songle quality relay that provides 2 way inputs and outputs and can be connected to 250V/10A AC equipment or 24V/10A DC equipment, so it can be used to control equipment such as electric lights and motors. The modular design makes it easy to connect to the Arduino shield. The output status of the relay is a light-emitting diode. It is convenient to use.

Technical Parameters:

Control signal: TTL level

Specified load:

10A 250VAC

10A 125VAC

10A 30VDC

10A 28VDC

Rated current: 10A (NO) 5A (NC)

Maximum switch voltage: 250VAC 30VDC

Contact action time: 10ms or less

Module pin definition:

1. 1 pin- 2 pin - the control end,
2. Power supply (VCC)
3. Ground (GND)

Arduino Test Code:

```
int BASE = 2 ; // the first relay is connected to I/O pin
int NUM = 2;  //the total number of relays
void setup()
{
    for (int i = BASE; i < BASE + NUM; i ++)
    {
        pinMode(i, OUTPUT);    // set I/O pin as output
    }
}
void loop()
{
    for (int i = BASE; i < BASE + NUM; i ++)
    {
        digitalWrite(i, LOW);    //set I/O pin output as "LOW", That is,
        gradually turn on the relay
        delay(200);              //delay
    }
    for (int i = BASE; i < BASE + NUM; i ++)
    {
        digitalWrite(i, HIGH);    //set I/O pin output as "HIGH", That is,
        Gradually turn off the relay
        delay(200);              //delay
    }
}
```