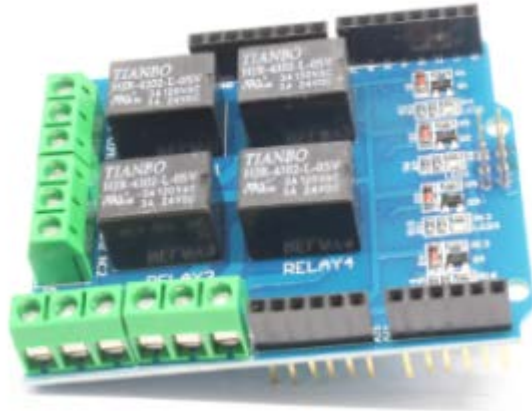# Four-channel Relay Driver Board

Description

The four-channel relay driver board, based on Arduino, is an

expansion board. It doesn't need soldering or wiring up.

You can download code directly from it.

The four relays are separately controlled by D4, D5, D6 and D7.

Contact Point Parameters

- Contact form: 1H/1Z

- Contact point material: Silver Alloy

- Load: Resistive load(COSΦ=1)

- Contact point load: 3A 120VAC/24VDC ,1A 250VAC(TüV)

- Minimum Load: 1mA 5VDC

- Maximum conversion voltage: 240VAC / 60VDC

- Maximum conversion current: 5A

- Maximum conversion power: 360VA / 90W

- Contact resistor 100MΩmax: AT 6VDC 1A

- Electrical life: 100,000 times (frequency: 30 times per minute)

- Mechanical life: 10,000,000 (frequency: 300 per minute)

Wiring Diagram
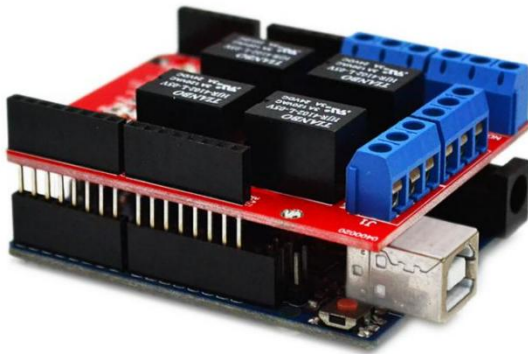
Test Code

```
int BASE = 4 ; //the first relay is connected to I/O port

int NUM = 4; //the aggregate of relays
```

```
void setup()

{

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

{

pinMode(i, OUTPUT); //set I/O port to OUTPUT

}

}

void loop()

{

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

{

digitalWrite(i, LOW); //set I/O port to LOW, that is, turn off relay

delay(200); //delay

}

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

{

digitalWrite(i, HIGH); //set I/O port to HIGHG, that is, relay is on

gradually

delay(200); //delay

}

}
```

Test Result

Four relays are gradually off then on.