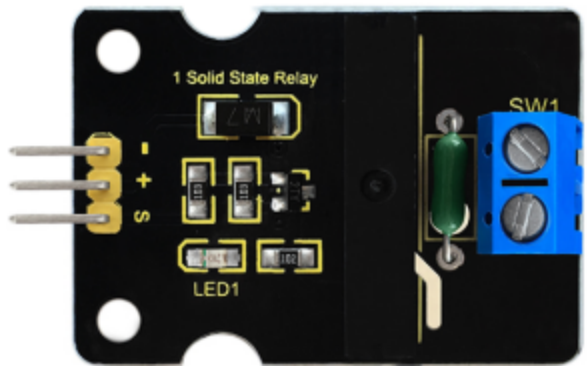

keyestudio WiKi

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KEYESTUDIO KS0263 BOARDS

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1. INTRODUCTION

Keyestudio single solid state relay is **active at LOW** level, that is to say, the input control signal is the low level (0-1.5 V), the relay is on; while the input control signal is high level (3-5 V), the relay is off.

Solid State Relay is a new kind of contactless switching device, which is composed of all solid state electronic components.

Compared with the electromagnetic relay, it has higher reliability, with the features of non-contact, long service life, fast speed and less outside interference.

The output control terminal of keyestudio solid-state relay must be connected to the circuit, **can only be AC (Alternating Current)**, so that the solid state relay can be disconnected normally.

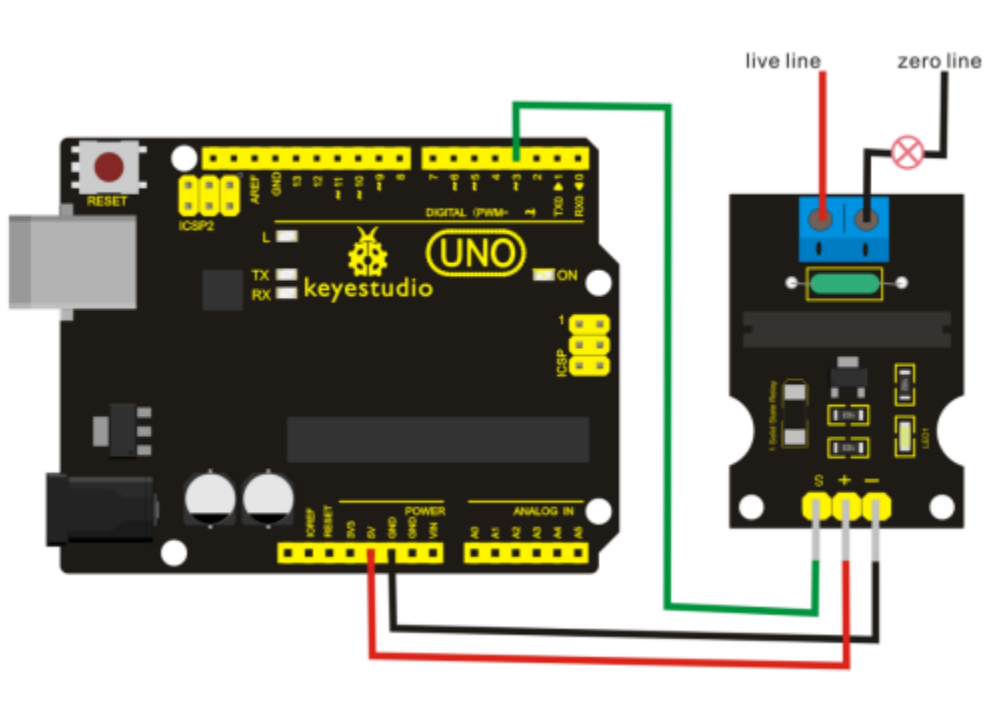
2. PERFORMANCE PARAMETERS

- Electrical parameters:

Voltage	Static Current	Working Current	Trigger Voltage	Trigger Current
DC 5V	0mA	12.5mA	0-1.5V	2mA

- Output port AC 100V/2A

3. CONNECTION DIAGRAM



4. SAMPLE CODE

Download code : [Code](#)

```
int Relay = 3;

void setup()
{
    pinMode(Relay, OUTPUT);    //Set Pin3 as output
}

void loop()
{
    digitalWrite(Relay, HIGH);  //Turn off relay
    delay(1000);
    digitalWrite(Relay, LOW);   //Turn on relay
    delay(1000);
}
```


5. RESULT

Wiring as the above image, after powered-on, the solid state relay breaks for 1S and then connects for 1S, repeating alternately.