

KE2027 KEYES obstacle avoidance sensor module

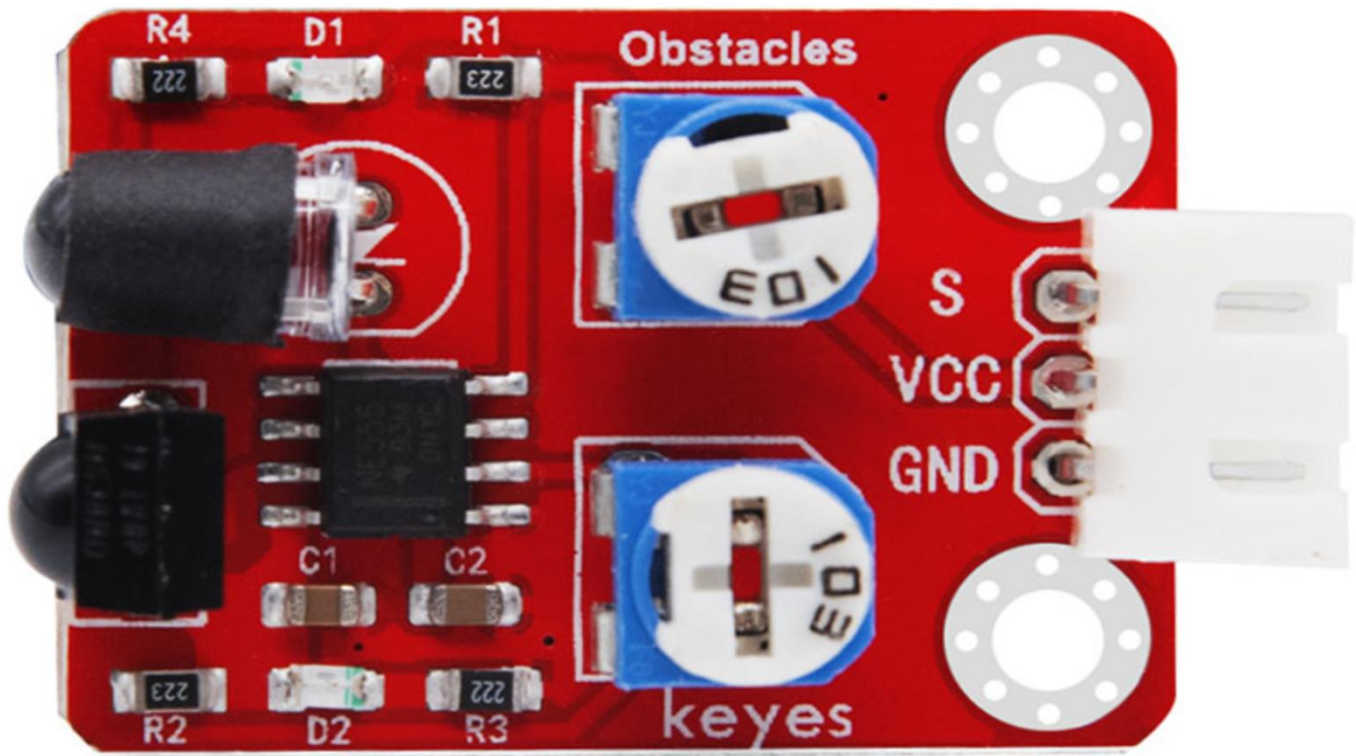
Parameters:

Working Voltage: 5VDC

Distance detection: 20 ~ 40mm.

Colour: Red

Size: 35x22x12



PINOUT Instruction:

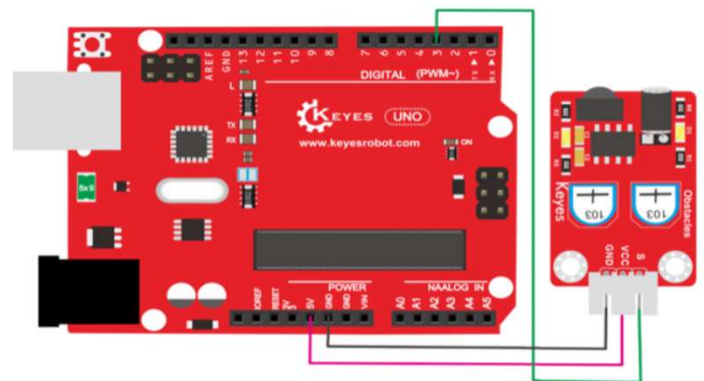
Test code:

```
const int sensorPin = 3;    // pin number of the sensor
const int ledPin = 13;     // pin number of the LED
int sensorState = 0;       // variable reading of the sensor

void setup() {
  pinMode(ledPin, OUTPUT);
  pinMode(sensorPin, INPUT);
}

void loop(){
  // read the state of the sensor value:
  sensorState = digitalRead(sensorPin);
  // if it is, the sensorState is HIGH:
  if (sensorState == HIGH) {
    digitalWrite(ledPin, HIGH);
  }
  else {
    digitalWrite(ledPin, LOW);
  }
}
```

Result:



Done uploading the code to board, you can see the led on both UNO board and obstacle detector sensor is turned on. If we put a foam block in front of the sensor, this time when sensor detects the obstacle, sled on the sensor will be turned on.