Hall sensor SKU:SEN0185

Contents

Introduction

What's the best way to detect the magnet? Use anther magnet. But it's not sensitive enough. You have to feel it by youself.Right.This Hall sensor knows whether there is a magnetic object nearby or not. And it correctly tells you through ditigal output.See below picture for a quick demo!
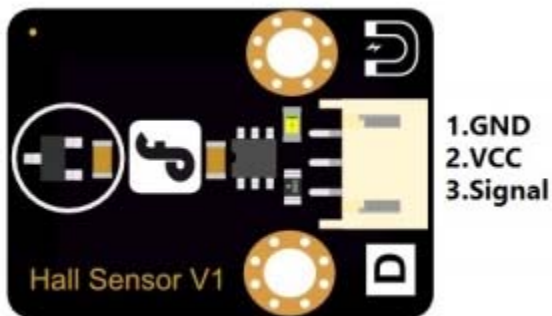
Note:It's a omnipolar magnet dectector so that it can not tell two polarities apart.
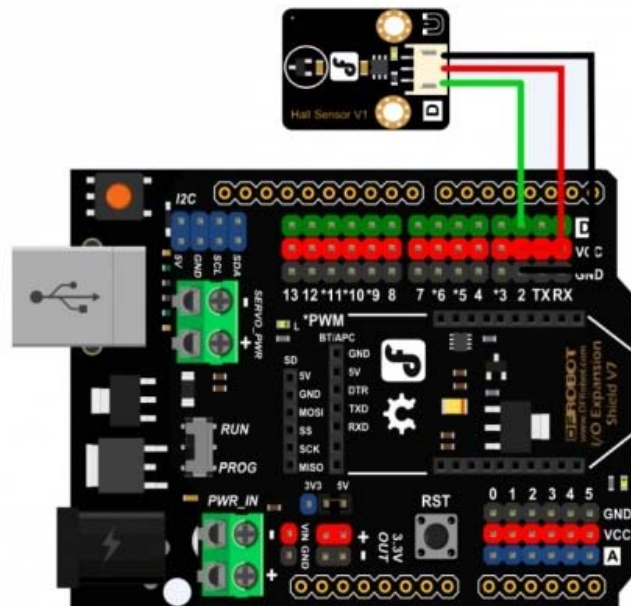
Specification

- Supply Voltage: 3.3V to 5V
- Indicator LED on board
- Interface: Digital
- Size:22x30mm

Pinout

1. GND
2. VCC
3. Signal

Connection Diagram

Digital Hall sensor Diagram

Sample Code

```
int ledPin = 13;                 // choose the pin for the LED
int inputPin = 2;                // choose the input pin
int val = 0;                     // variable for reading the pin status
void setup() {
  pinMode(ledPin, OUTPUT);      // declare LED as output
  pinMode(inputPin, INPUT);     // declare pushbutton as input
}
void loop(){
  val = digitalRead(inputPin);  // read input value
  if (val == HIGH) {            // check if the input is HIGH
    digitalWrite(ledPin, LOW);  // turn LED OFF
  } else {
    digitalWrite(ledPin, HIGH); // turn LED ON
  }
}
```