Digital magnetic sensor SKU: DFR0033

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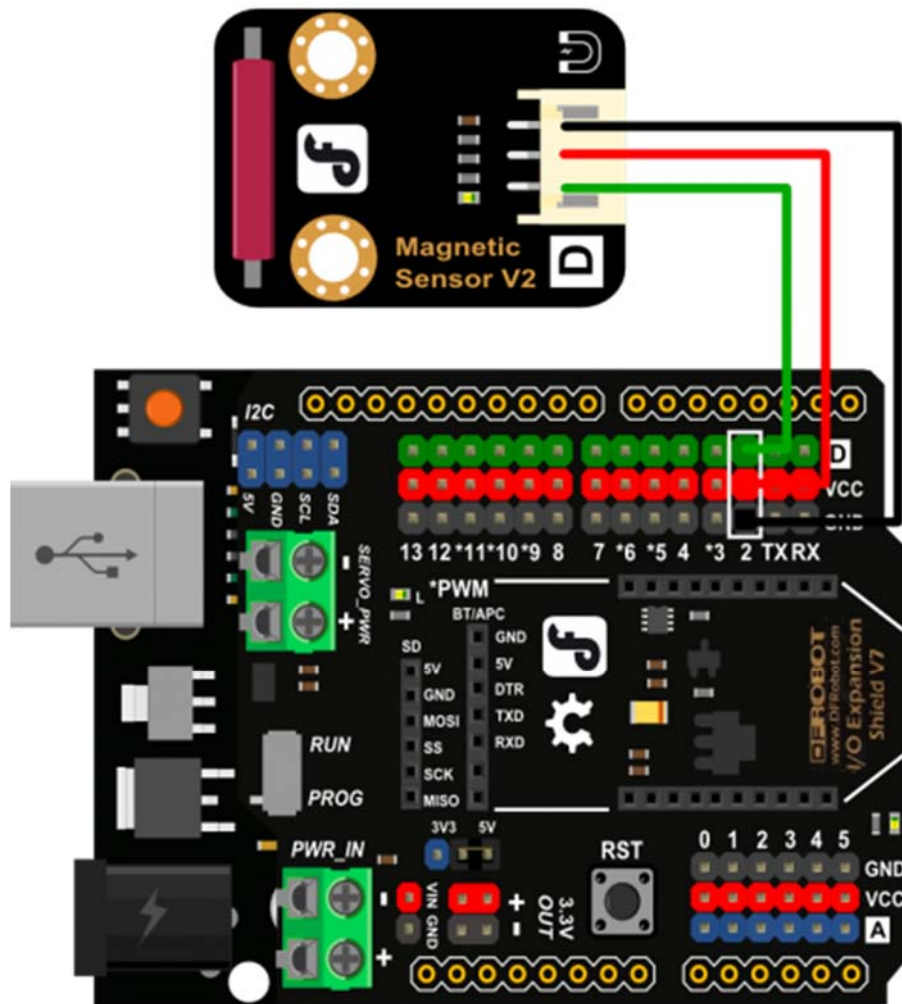## Introduction

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 magnetic 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!

Specification

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

Connection 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
  }
}
```