



## Digital magnetic sensor SKU: DFR0033

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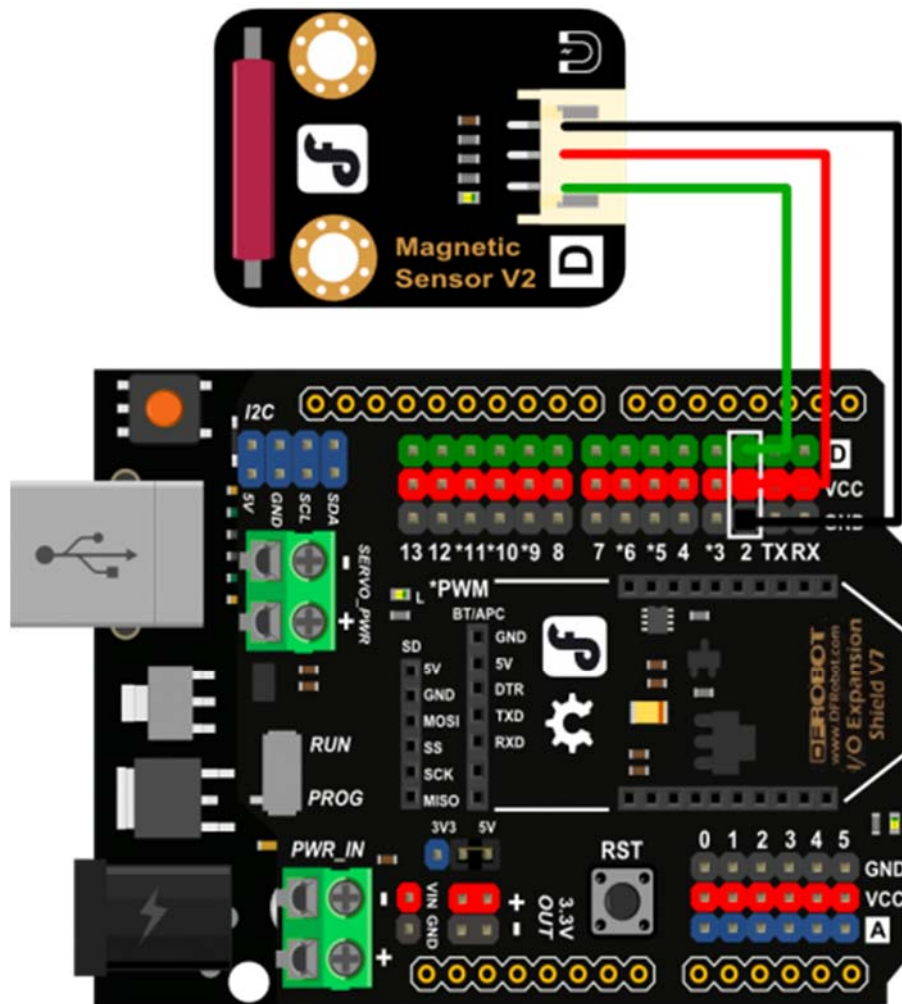
### Introduction

what's the best way to detect the magnet? Use another magnet. But it's not sensitive enough. You have to feel it by yourself. Right. This magnetic sensor knows whether there is a magnetic object nearby or not. And it correctly tells you through digital 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
}
}
```