

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!

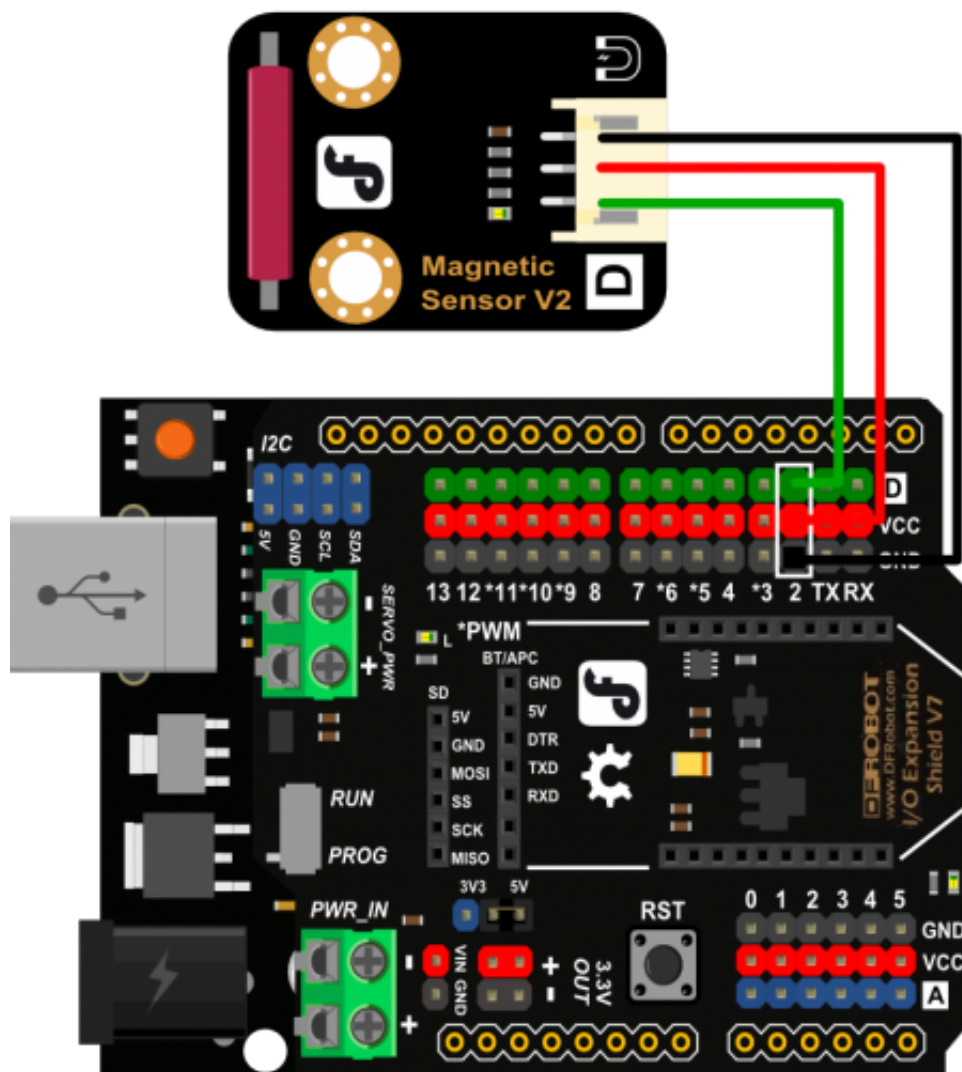
Specification

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

Connection Diagram



Digital magnetic sensor SKU: DFR0033



Sample Code

```

?
1 int ledPin = 13;           // choose the pin for the LED
2 int inputPin = 2;         // choose the input pin
3 int val = 0;              // variable for reading the pin status
4 void setup() {
5   pinMode(ledPin, OUTPUT); // declare LED as output
6   pinMode(inputPin, INPUT); // declare pushbutton as input
7 }
8 void loop(){
9   val = digitalRead(inputPin); // read input value
10  if (val == HIGH) {         // check if the input is HIGH
11    digitalWrite(ledPin, LOW); // turn LED OFF
12  } else {
13    digitalWrite(ledPin, HIGH); // turn LED ON
14  }
15}

```

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- This page was last modified on 9 September 2013, at 06:32.
- This page has been accessed 2,476 times.