

Digital Tilt Sensor SKU:DFR0028



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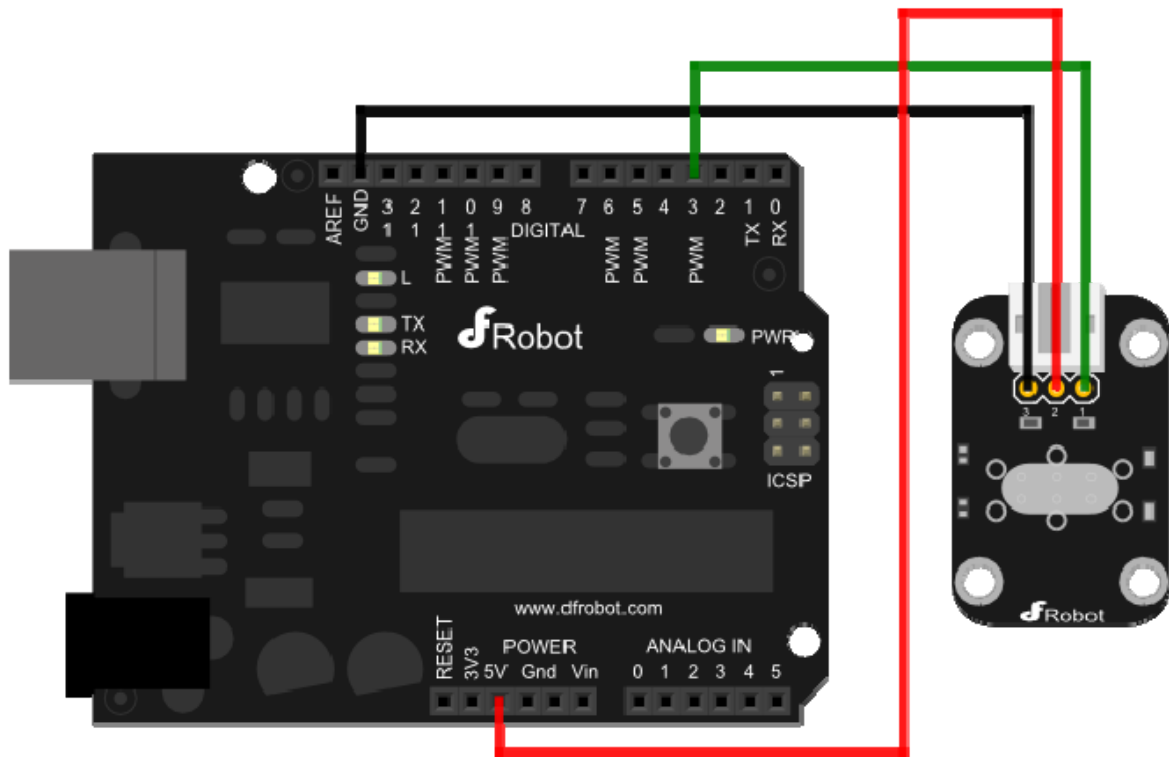
Introduction

The DFRobot Tilt Sensor is a digital tilt **switch**. It could be used as a simple tilt sensor. Simple plug to our IO/Sensor Expansion board, you can make amazing interactive projects. The dedicated sensor expansion boards with the Arduino, in combination, can achieve very interesting and an interactive work.

Specification

- Supply Voltage: 3.3V to 5V
- Interface: Digital
- Size: 22x30mm

Connection Diagram



Sample Code

```
int ledPin = 13;           // Connect LED to pin 13
int switcher = 3;         // Connect Tilt sensor to Pin3

void setup() {
  pinMode(ledPin, OUTPUT); // Set digital pin 13 to output mode
  pinMode(switcher, INPUT); // Set digital pin 3 to input mode
}

void loop() {
  if (digitalRead(switcher) == HIGH) //Read sensor value
    digitalWrite(ledPin, HIGH); // Turn on LED when the sensor is tilted
  else
    digitalWrite(ledPin, LOW); // Turn off LED when the sensor is not triggered
}
}
```