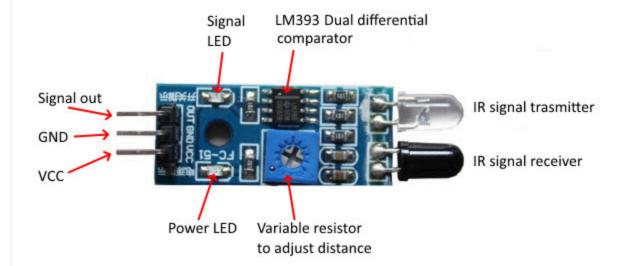
Signals and connections of the FC-51 Proximity sensor



VCC - 3.3 to 5 VDC Supply Input pin

GND - Ground Input pin

Signal out – Digital output pin. LOW when obstacle is in range

Power LED - Illuminates when power is applied

Signal LED – Illuminates when obstacle is detected

Variable resistor – Adjust detection distance. CCW decreases distance.

CW increases distance.

## **Program file:**

```
void setup() {
  // put your setup code here, to run once:
pinMode(2,INPUT);
pinMode(13,OUTPUT);//LED
}

void loop() {
  // put your main code here, to run repeatedly:
if(digitalRead(2)==LOW){
  digitalWrite(13,HIGH);
}
else{
  digitalWrite(13,LOW);
}
```

