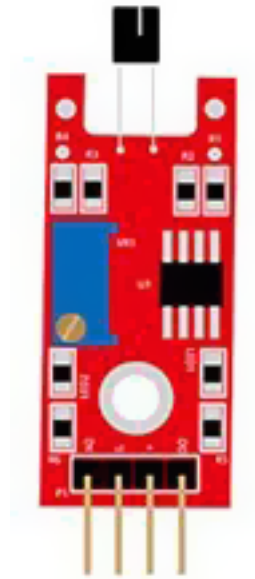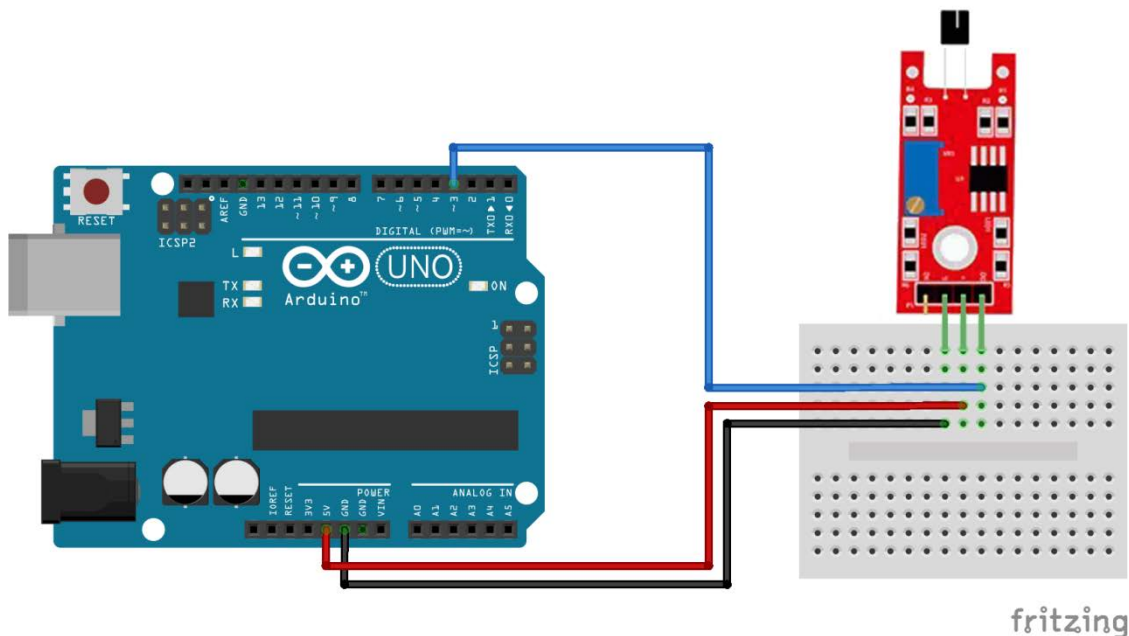# Human Touch Sensor Module

The human touch sensor will detect when a person touches the sensor. It works by amplifying the ominous 50/60Hz mains hum. When a person touches the sensor, the mains hum will be induced in the sensor, which is a regular high-gain transistor, and switch the output.

Pinout and Connection to Arduino

Connect the Power line (middle) and ground (-) to +5 and GND respectively. Connect signal (DO) to pin 3 on the Arduino.

Arduino Example Sketch

The example sketch will light the LED when a touch is detected.

```
int led = 13;//LED pin
int sensor = 3; //sensor pin
int val; //numeric variable

void setup()
{
        pinMode(led, OUTPUT); //set LED pin as output
        pinMode(sensor, INPUT); //set sensor pin as input
}

void loop()
{
        val = digitalRead(sensor); //Read the sensor
        if(val == HIGH)
        {
                digitalWrite(Led, HIGH);
        }
        else
        {
                digitalWrite(Led, LOW);
        }
}
```