

In the kit, it is named as "Switch Light Module".

Principle

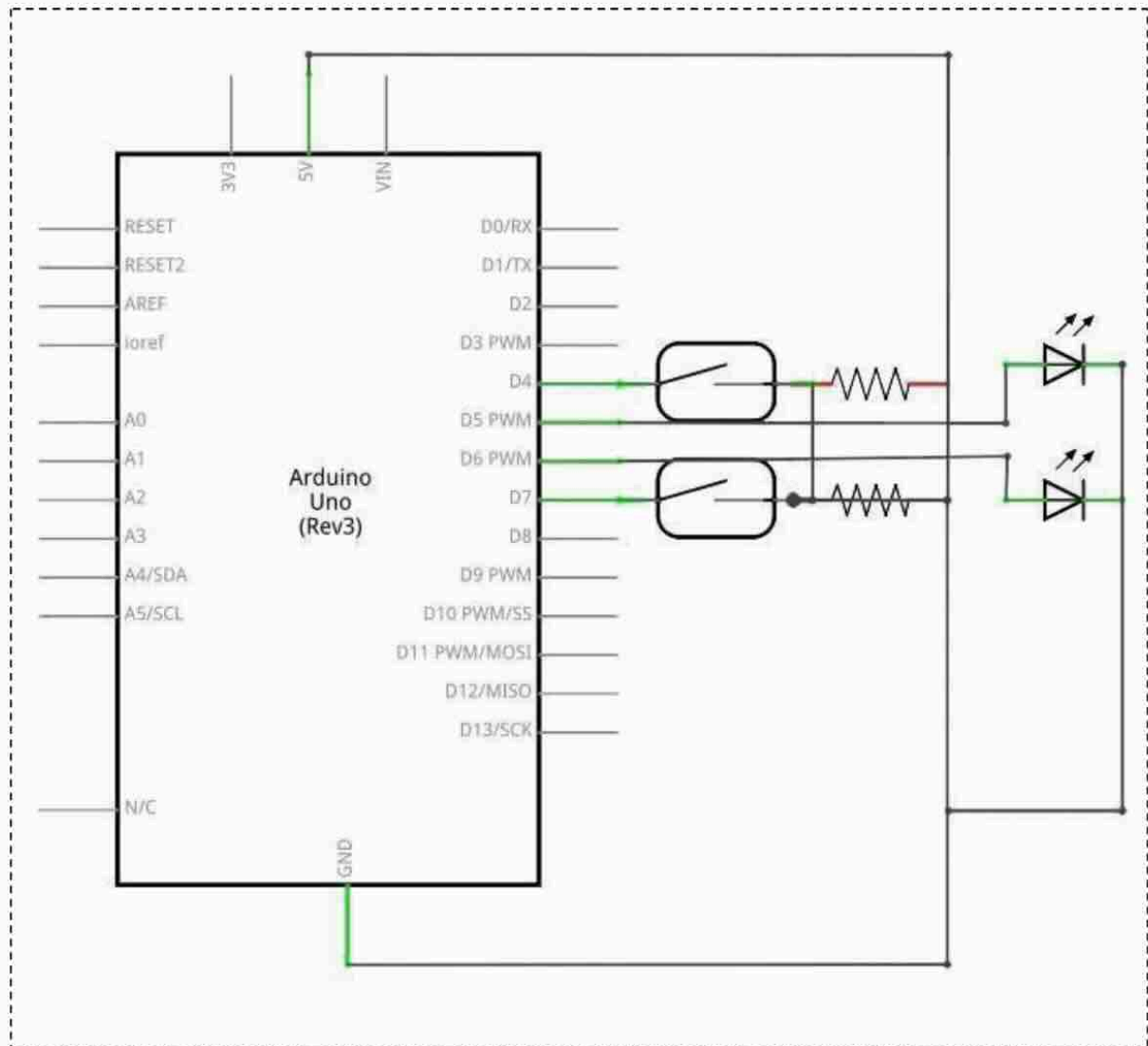
- This module incorporates a mercury tilt switch and clear red LED.



1.LED
2.OUTPUT
3.VCC: 3.3V-5V DC
4.GND:ground

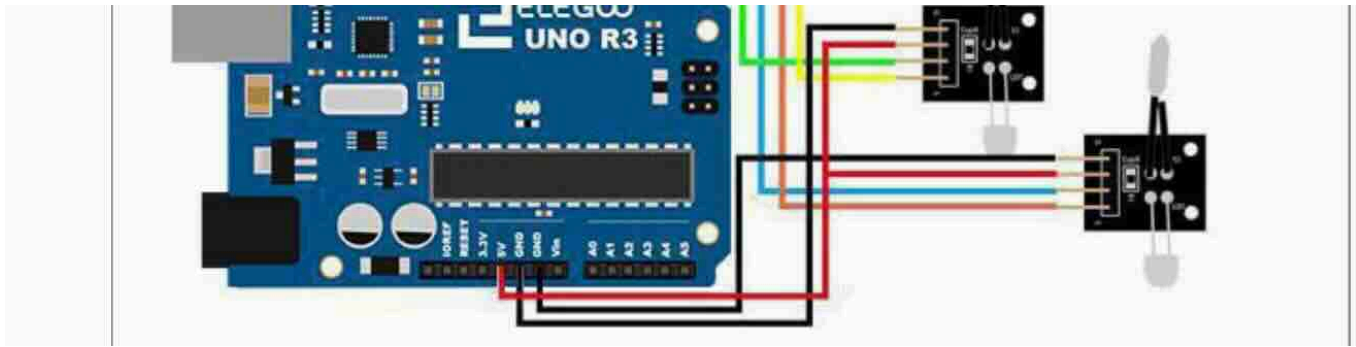
Hardware

Connection Schematic



Wiring diagram





We can connect only one tilt sensor at PIN 4 and 5.

Software

In this program, we sense if the mercury sensor is tilted. If so, it increases the brightness value by one and use the value for PWM output.

```
buttonStateA = digitalRead(ButtonPinA);

if (buttonStateA == HIGH) {
    if (brightness == 255) brightness = 0;
    else brightness++;
    Serial.print("buttonStateA is High: ");
    Serial.println(brightness);
}
```