Code

int motion = 2;

int light =13;

void setup()

{

 pinMode(motion, INPUT);

 pinMode(light, OUTPUT);

 Serial.begin(9600);

}

void loop()

{

 int sensor = digitalRead(motion);

 Serial.println(sensor);

 if(sensor==LOW){

 digitalWrite(light, HIGH);

 delay(500);

 digitalWrite(light, LOW);

 delay(500);

 }

}

CIRCUIT DIAGRAM



OUTPUT

