

SOURCE CODE:

void setup()

{

Serial.begin(9600);

pinMode(2,OUTPUT);

pinMode(4,INPUT);

}

void loop()

{

int motion = digitalRead(4);

double data = analogRead(A2);

double n = data/1024;

double volt = n\*5;

double off = volt - 0.5;

double temp = off \* 100;

if(temp>60){

tone(2,100,2000);

}

else if(motion==1){

tone(2,200,2000);

}

else{

noTone(2);

}

}

