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My code:

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void setup()

{

Serial.begin(9600);

pinMode(2,INPUT);

pinMode(4,OUTPUT);

}

void loop()

{

double data=analogRead(A2);

double n=data/1024;

double volt=n\*5;

double off=volt-0.5;

double temparature=off\*100;

Serial.print("temparature data:");

Serial.println(temparature);

int motion=digitalRead(2);

if(temparature>60)

{

tone(4,500);

delay(1000);

}

else

{

noTone(4);

delay(1000);

}

if(motion==1)

{

tone(4,1000);

}

else

{

noTone(4);

delay(100);

}

}

Screen shots:









