

QUESTION

Please create circuit with piezo alarm , PIR sensor ,temperature sensor with below functionalities:

**** Alarm should sound in one manner if temp is above 60 C**

**** Alarm should sound with another frequency if motion is detected in PIR sensor**

PROGRAMING:

```
void setup()
{
  Serial.begin(9600);
  pinMode(2,INPUT);
  pinMode(13,OUTPUT);
}

void loop()
{
  double data = analogRead(A3);
  double n = data/1024;
  double volt = n*5; // because connected to 5v
  double off = volt - 0.5 ;
  double temperature = off*100;
  int a = digitalRead(2);
  if ( a == 1){
    tone(13,10);
  }
  else if(temperature > 60){
    tone(13,20);
  }
  else{
    noTone(13);
  }
}
```

DIAGRAM:

