

The Arduino Code

```
String stringrec;
char commands;

void setup() {
  // put your setup code here, to run once:
  Serial.begin(9600);
  pinMode(13,OUTPUT);
}

void loop() {
  // put your main code here, to run repeatedly:
  if(Serial.available()>0)
  {
    stringrec="";
  }

  while(Serial.available()>0)
  {
    commands = ((byte)Serial.read());
    if(commands == ':')
    {
      break;
    }else { stringrec = stringrec + commands}

    delay(1);
  }

  if(stringrec == "TO")
  {
    int x = analogRead(A1);
    float tmp = (5.0*x*100.0)/1024.0;
    Serial.println(tmp);
    digitalWrite(13,HIGH);
    delay(500);
  }

  if(stringrec == "TF")
  {
    digitalWrite(13,LOW);
    delay(500);
  }
}
```