```
#include<DallasTemperature.h>
#include <OneWire.h>

#include <Wire.h>
#include<Adafruit_ADS1015.h>
#include "U8glib.h"

#define ONE_WIRE_BUS 9
OneWire oneWire(ONE_WIRE_BUS);
DallasTemperature sensors(&oneWire);


char volt1[5];
char volt2[5];
long uread;
float dval;
float temp;

U8GLIB_SSD1306_128X64 u8g(5, 4, 10, 2, 3);  //SPI
Adafruit_ADS1115 ads;

void u8g_prepare(void) {
 u8g.setFont(u8g_font_profont29);
 u8g.setFontRefHeightExtendedText();
 u8g.setDefaultForegroundColor();
  u8g.setFontPosTop();
}

void u8g_ascii_1() {
  char s[2] = " ";
  uint8_t x, y;
  u8g.drawStr( 0, 0, "1:     V");
  u8g.drawStr( 0, 32, "2:     V");
  u8g.drawStr( 40, 0, volt1);
  u8g.drawStr( 40, 32, volt2);
}

void draw(void) {
  u8g_prepare();
  u8g_ascii_1();
  delay(20);
}

void setup(void) {
    ads.setGain(GAIN_ONE);
    ads.begin();
    sensors.begin();
    sensors.setResolution(8);
    pinMode(8,OUTPUT); //HOT LED
```

```
}

void loop(void) {
  for (int x = 0;x < 10;x++){
    uread = uread+ads.readADC_Differential_0_1();
  }
 uread=uread/10;
 uread=map(uread,0,32768,0,320);
 dval=(float)uread / 10;
 dtostrf(dval, 4, 1, volt1);
 for (int x = 0; x < 10 ; x++){
   uread = uread+ads.readADC_Differential_2_3();
  }
 uread=uread/10;

 uread=map(uread,0,32768,0,320);
 dval=(float)uread / 10;
 dtostrf(dval, 4, 1, volt2);

 u8g.firstPage();
 do {
   draw();
 } while( u8g.nextPage() );
 delay(100);
 sensors.requestTemperatures();
 temp=sensors.getTempCByIndex(0);

 if(temp>45){  //mere end 45 grader tænd LED på Fronten
   digitalWrite(8,HIGH);
 }
 else {
   digitalWrite(8,LOW); // ellers sluk LED
 }
}
```