```cpp
#include "DHT.h" // librairie
#define DHTPIN 2     // Capteur Température Pro DHT22 sur D2 Lent régénération toutes les 2 secondes
#define DHTTYPE DHT22   // DHT 22  (AM2302)
#include <Grove_LED_Bar.h> //librairie
Grove_LED_Bar bar(13, 12, 0, LED_BAR_10);
DHT dht(DHTPIN, DHTTYPE);
#if defined(ARDUINO_ARCH_AVR)
   #define debug  Serial
#elif defined(ARDUINO_ARCH_SAMD) ||  defined(ARDUINO_ARCH_SAM)
   #define debug  SerialUSB
#else
   #define debug  Serial
#endif
:
void setup()
{
  debug.begin(115200);
  debug.println("DHTxx test!");
  Wire.begin();
  dht.begin();
 //pinMode(4, INPUT); //bouton poussoir
 //pinMode(6, INPUT); //bouton poussoir
  pinMode(10, OUTPUT); // LED rouge pour controle de fonctionnement
  pinMode(4, OUTPUT); // relais
  pinMode(8, INPUT);//fin de course en attente
  bar.begin();
  bar.setGreenToRed(true);
 Serial.begin(115200);
}
void loop()
{
    float temp_hum_val[2] = {0};
  int value = analogRead(A0);
  if (digitalRead(4)==HIGH || value>300 || dht.readTempAndHumidity(temp_hum_val)>25 )
  {
   digitalWrite(10, HIGH);
```

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    digitalWrite(4, HIGH);
  delay(100);
    Serial.print(value);
        Serial.print(" ");
 }
 if (digitalRead(6)==HIGH || value <300  && dht.readTempAndHumidity(temp_hum_val)<25 )
 {
  digitalWrite(10, LOW);
  digitalWrite(4, LOW);
  delay(100);
    Serial.print(value);
    Serial.print(" ");
 }
 Serial.print(value);
 value = map(value, 0, 700, 0, 10);
 bar.setLevel(value);
 Serial.print(" ");
 delay(100);
  if (!dht.readTempAndHumidity(temp_hum_val)) {
      debug.print("Humidity: ");
      debug.print(temp_hum_val[0]);
      debug.print(" %\t");
      debug.print("Temperature: ");
      debug.print(temp_hum_val[1]);
      debug.println(" *C");
   } else {
      debug.println("Failed to get temprature and humidity value.");
   }
  delay(1500);
}
```