

Código:

```
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sketch_sep3bino
1 #include "DHT.h"
2
3 #define DHTPIN 2
4 #define DHTTYPE DHT11
5 #define BUZZER_PIN 7
6
7 DHT dht(DHTPIN, DHTTYPE);
8
9 float temperature;
10
11 void setup() {
12   Serial.begin(9600);
13   dht.begin();
14   pinMode(BUZZER_PIN, OUTPUT);
15   digitalWrite(BUZZER_PIN, HIGH);
16 }
17
18 void loop(){
19   float tempC = dht.readTemperature();
20
21   if (isnan(tempC)){
22     Serial.println("Error al leer del sensor DHT11!");
23     return;
24   }
25
26   temperature = float(tempC);
27
28   Serial.print("Temperatura: ");
29   Serial.print(temperature);
30   Serial.println(" °C");
31
32   if (temperature > 28){
33     tone(BUZZER_PIN, 5000);
34     Serial.println("¡ALERTA! Temperatura alta.");
35   } else {
36     digitalWrite(BUZZER_PIN, HIGH);
37   }
38   delay(2000);
39 }
40
```