

# ESP8266 home alarm with CallMeBot

**Many thanks to Borja who facilitated my access to his CallMeBot application!!!**  
**The CallMeBot application is wonderful!!!**

The CallMeBot app is great. Any small, very silent alarm can be installed in the room or in the office and we have real-time information about a potential intruder. Alarming is done via WhatsApp message. Implementation costs are minimal. Any ambiguity can be resolved by emailing me.... [yo9bxe@gmail.com](mailto:yo9bxe@gmail.com). I wish you.... **Success !**

## **I used:**

- ESP8266 NodeMCU
- PIR sensor
- Red relay 5v
- BC547
- 1k resistance
- Header pins

I tested several versions of the code, but the simplest and easiest is this one:

```
#include <ESP8266WiFi.h>
#include <ESP8266HTTPClient.h>
#include <WiFiClient.h>
#include <UrlEncode.h>
const char* ssid = "your Router";
const char* password = "Router password";

String phoneNumber = "+40722xxxxxx"; //Romanian number
String apiKey = "your API Key";
//-----
void sendMessage(String message){
    // Data to send with HTTP POST
    String url = "http://api.callmebot.com/whatsapp.php?phone=" + phoneNumber + "&apikey=" +
    apiKey + "&text=" + urlEncode(message);
    WiFiClient client;
    HTTPClient http;
    http.begin(client, url);

    // Specify content-type header
    http.addHeader("Content-Type", "application/x-www-form-urlencoded");

    // Send HTTP POST request
    int httpResponseCode = http.POST(url);
    if (httpResponseCode == 200){
        Serial.print("Message sent successfully");
    } else {
        Serial.println("Error sending the message");
        Serial.print("HTTP response code: ");
        Serial.println(httpResponseCode);
    }
    // Free resources
```

```

    http.end();
}
//-----
void setup() {
  Serial.begin(115200);
  WiFi.begin(ssid, password);
  Serial.println("Connecting");
  while(WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print(".");
  }
  Serial.println("");
  Serial.print("Connected to WiFi network with IP Address: ");
  Serial.println(WiFi.localIP());

  // Send Message to WhatsApp
  sendMessage("Alerta zona 1"); //your message
}
//-----
void loop() {
}
//=====

```

**Helpful images:**



