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|  | Diagram, schematic  Description automatically generated |
| Text  Description automatically generated | USING GPIO2 |

Agregue libreria ESP8266

File / <http://arduino.esp8266.com/stable/package_esp8266com_index.json>

Placa **Generic ESP8266 Module**

**#include <ESP8266WiFi.h>**

const char\* ssid = "YOUR SSID";

const char\* password = "YOUR PASSWORD";

#define RELAY 0 // relay connected to GPIO0

WiFiServer server(80);

void setup()

{

Serial.begin(115200);

pinMode(RELAY,OUTPUT);

digitalWrite(RELAY, LOW);

WiFi.begin(ssid, password);

while (WiFi.status() != WL\_CONNECTED)

{

delay(500);

Serial.print(".");

}

server.begin();

Serial.print(WiFi.localIP());

Serial.println("/");

}

void loop()

{

// Check if a client has connected

WiFiClient client = server.available();

if (!client) return;

// Wait until the client sends some data

Serial.println("new client");

while(!client.available())

{

delay(1);

}

// Read the first line of the request

String request = client.readStringUntil('\r');

Serial.println(request);

client.flush();

int value = LOW;

if (request.indexOf("/RELAY=OFF") != -1) value = HIGH;

digitalWrite(RELAY,value);

// Return the response

client.println("HTTP/1.1 200 OK");

client.println("Content-Type: text/html");

client.println(""); // this is a must

client.println("<html>");

client.println("<head><title>RELAY Control</title></head>");

client.print("Relay is now: ");

if(value == HIGH)

client.print("OFF");

else

client.print("ON");

client.println("<br><br>");

client.println("Turn <a href=\"/RELAY=OFF\">OFF</a> RELAY<br>");

client.println("Turn <a href=\"/RELAY=ON\">ON</a> RELAY<br>");

client.println("</html>");

delay(1);

Serial.println("Client disonnected");

}