#define BLYNK\_TEMPLATE\_ID "TMPLE2olxXrP"

#define BLYNK\_DEVICE\_NAME "Horta"

#define BLYNK\_AUTH\_TOKEN "92JKMuQ\_mHNI-ynRtGK-ZdS0PDN8ijpl"//nJvZ4ASXwwF3gmRG\_RVpVztnjAm2trSx

/\* Comment this out to disable prints and save space \*/

#define BLYNK\_PRINT Serial

#include <WiFi.h>

#include <WiFiClient.h>

#include <BlynkSimpleEsp32.h>

#define LIGADA 1

#define DESLIGADA 0

#define PIN\_BOMBA 22

#define V\_PIN V1

#define LIM\_BOMBA 1000000

char auth[] = BLYNK\_AUTH\_TOKEN;

// Your WiFi credentials.

// Set password to "" for open networks.

char ssid[] = "Helé";

char pass[] = "e1cc72048901";

bool bomba\_bt;

int bomba\_tempo;

unsigned long tempo\_exec;

BLYNK\_WRITE(V\_PIN) {

bomba\_bt = param.asInt();

}

void setup()

{

// Debug console

Serial.begin(9600);

Blynk.begin(auth, ssid, pass);

pinMode(PIN\_BOMBA, OUTPUT);

Serial.println(bomba\_bt);

tempo\_exec = 0;

}

void loop()

{

Blynk.run();

if (bomba\_bt == LIGADA) {

LigarBomba();

}else if(bomba\_bt == DESLIGADA) {

DesligarBomba();

}

Serial.println(bomba\_bt);

}

void LigarBomba(void){

digitalWrite(PIN\_BOMBA, HIGH);

Blynk.virtualWrite(V\_PIN, 1);

if(tempo\_exec == 0){

tempo\_exec = millis();

}else if((tempo\_exec + LIM\_BOMBA) <= millis()){

DesligarBomba();

Blynk.syncVirtual(V\_PIN);

tempo\_exec = 0;

}

}

void DesligarBomba(void){

Blynk.virtualWrite(V\_PIN, 0);

digitalWrite(PIN\_BOMBA, LOW);

}

Roteador:

Rede: ESP32 - projeto01

Senha: da2s383jqo7grolJ

link de vídeo explicativo: <https://www.youtube.com/watch?v=Hez20pleimI&t=2636s>