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\* 10 - SDA b

\* 14 - MISO g

\* 15 - SCK y

\* 16 - MOSI o

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#include <SPI.h>

#include <MFRC522.h>\

int relay1Pin = 5; //pc

int relay2Pin = 8; //pendrive

bool skan = false;

int timek = 60; //czas pendrive w sec

constexpr uint8\_t RST\_PIN = 9;

constexpr uint8\_t SS\_PIN = 10;

MFRC522 mfrc522(SS\_PIN, RST\_PIN);

int RXLED = 17;

void setup() {

pinMode(RXLED, OUTPUT);

Serial.begin(9600);

pinMode(relay1Pin, OUTPUT);

pinMode(relay2Pin, OUTPUT);

digitalWrite(relay1Pin, LOW);

digitalWrite(relay2Pin, LOW);

timek = timek\*1000;

SPI.begin();

mfrc522.PCD\_Init();

mfrc522.PCD\_DumpVersionToSerial();

}

void readHex(byte \*buffer, byte bufferSize) {

for (byte i = 0; i < bufferSize; i++) {

Serial.print(buffer[i] < 0x10 ? " 0" : " ");

Serial.print(buffer[i], HEX);

}

}

void loop() {

if ( ! mfrc522.PICC\_IsNewCardPresent()) {

digitalWrite(RXLED, HIGH);

return;

}

if ( ! mfrc522.PICC\_ReadCardSerial()) {

return;

}

digitalWrite(RXLED, LOW);

Serial.print("RFID UID: ");

readHex(mfrc522.uid.uidByte, mfrc522.uid.size);

Serial.println();

skan = false;

if (mfrc522.uid.uidByte[0] == 0x04 && //UID mojego zegarka

mfrc522.uid.uidByte[1] == 0x17 &&

mfrc522.uid.uidByte[2] == 0x2D &&

mfrc522.uid.uidByte[3] == 0x13 &&

mfrc522.uid.uidByte[4] == 0x9A &&

mfrc522.uid.uidByte[5] == 0x57 &&

mfrc522.uid.uidByte[6] == 0x80

) {

Serial.println("Poprawne UID");

digitalWrite (relay1Pin, HIGH);

delay(300);

digitalWrite (relay1Pin, LOW);

Serial.println ("PC włączony");

digitalWrite (relay2Pin, HIGH);

Serial.println ("Pendrive włączony");

delay(timek);

digitalWrite (relay2Pin, LOW);

Serial.println ("Pendrive wyłączony");

skan = true;

}

if (mfrc522.uid.uidByte[0] == 0x9A && //UID breloka

mfrc522.uid.uidByte[1] == 0x0D &&

mfrc522.uid.uidByte[2] == 0x8B &&

mfrc522.uid.uidByte[3] == 0x80

) {

Serial.println("Poprawne UID");

digitalWrite (relay1Pin, HIGH);

delay(300);

digitalWrite (relay1Pin, LOW);

Serial.println ("PC włączony");

digitalWrite (relay2Pin, HIGH);

Serial.println ("Pendrive włączony");

delay(timek); //30 sec.

digitalWrite (relay2Pin, LOW);

Serial.println ("Pendrive wyłączony");

skan = true;

}

if(skan==false) {

Serial.println("Nie wykryto UID lub jest ono niezgodne");

delay(500);

return;

}

digitalWrite(RXLED, HIGH);

delay(500);

}