

System start
mainMenuVariable = HIGH

void loop()
if (mainMenuVariable == LOW)
else

Confirmation void
(Entered password captation)

Number key pressed
Key * is pressed

Confirmation void = break;

openClose();

Match = false
Twice
pinMode(red, OUTPUT);
delay(100);
pinMode(red, INPUT);
delay(100);

Confirmation void
(Entered password captation)

Password entered
if (inputPassword[i] == password[i])
TRUE Match = true
FALSE Match = false

**With or without
number key pressed**
Key * is pressed

If ((mainMenuVariable == LOW) && (numberTyped || insideNewPasswordMenu))
true

Confirmation
void = break;

No number key pressed
Key * is pressed

mainMenuVariable = LOW
Leaving Confirmation menú

void loop()
if (mainMenuVariable == LOW)
"new password menu"
pinMode(red, OUTPUT);
mainMenuVariable = HIGH;
insideNewPasswordMenu = true;

Match = true
newPassword void

if
(insideNewPasswordMenu)

Match = false

if (insideNewPasswordMenu)

Password entered
if (inputPassword[i] == password[i])

TRUE
Match = true

FALSE
Match = false

openClose();

Match = true
For 2 seconds
magnet1 = A1 pin = HIGH
green = A5 pin = Output

Match = false
Twice
pinMode(red, OUTPUT);
delay(100);
pinMode(red, INPUT);
delay(100);

Key * is pressed

newPassword break;
pinMode(red, INPUT);

Password entered

Eeprom
Password = inputPassword
pinMode(green, OUTPUT);
delay(1000);
pinMode(green, INPUT);

pinMode(red, INPUT);
"Leaving new password
menu"