System start

mainMenuVariable = HIGH

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

**true**

**Match = false**

**Match = true**

newPassword void

**FALSE**

Match = false

**TRUE**

Match = true

if (insideNewPasswordMenu)

pinMode(red, INPUT);

“Leaving new password menu”

~~if (insideNewPasswordMenu)~~

**With or without number key pressed**

Key \* is pressed

**Password entered**

if (inputPassword[i]

== password[i])

Confirmation void

(Entered password captation)

newPassoword break;

pinMode(red, INPUT);

Eeprom

Password = inputPassword

pinMode(green, OUTPUT);

delay(1000);

pinMode(green, INPUT);

**Password entered**

Key \* is pressed

**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);

Confirmation void = break;

**FALSE**

Match = false

**Password entered**

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

openClose();

void loop()

if (mainMenuVariable == LOW)

“new password menu”

pinMode(red, OUTPUT);

mainMenuVariable = HIGH;

insideNewPasswordMenu = true;

mainMenuVariable = LOW

Leaving Confirmation menú

**TRUE**

Match = true

Confirmation void = break;

**No number key pressed**

Key \* is pressed

**Number key pressed**

Key \* is pressed

**Match = false**

Twice

openClose();

pinMode(red, OUTPUT);

delay(100);

pinMode(red, INPUT);

delay(100);

void loop()

~~if (mainMenuVariable == LOW)~~

else

Confirmation void

(Entered password captation)