

Demo Project for Screen Saver with Password

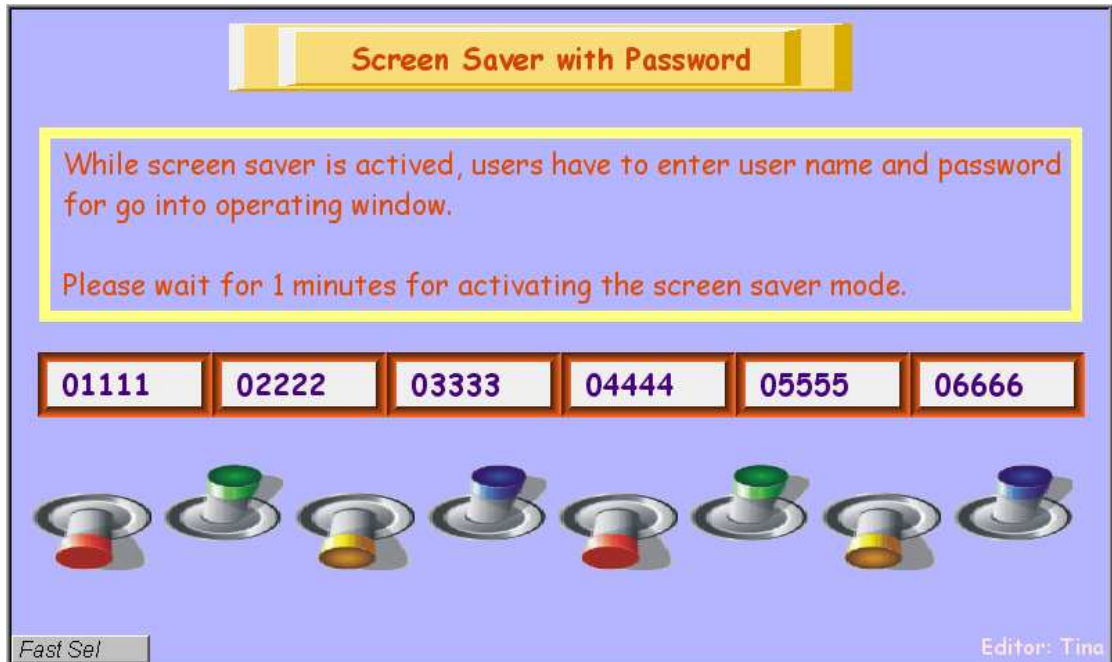
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1. Overview and Operation

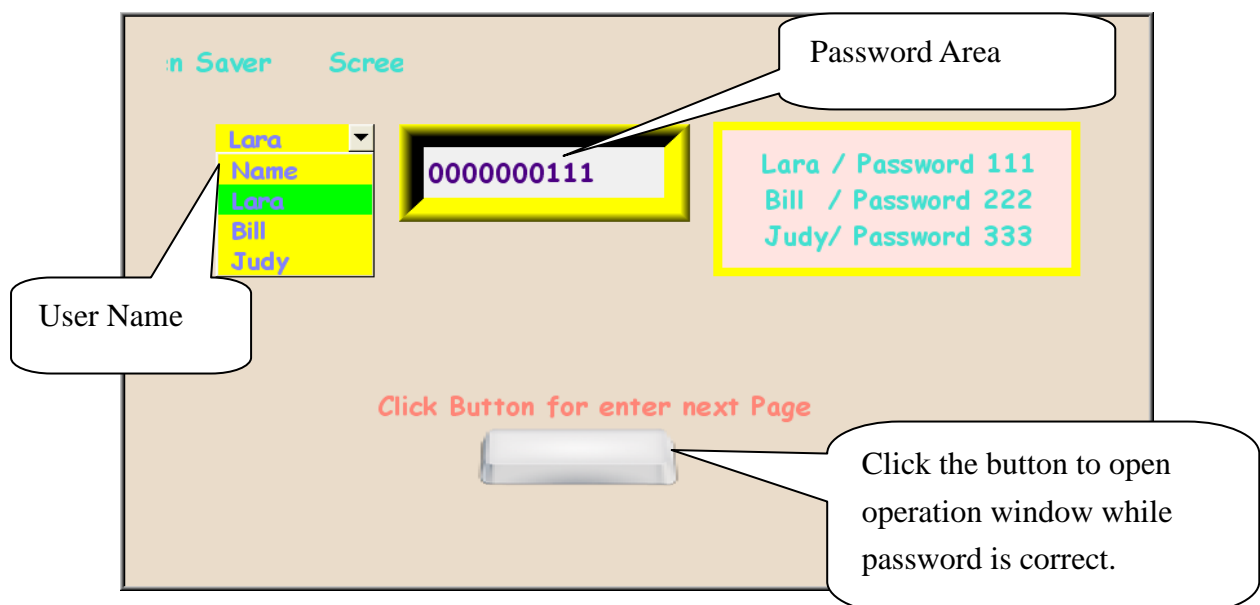
[Overview]

This demo project shows how to set users ID and password required to enter before operating HMI when screen saver window is activated.



[Operation]

In this demo project, after 1 minute of idle time, the screen saver will be activated. Users have to select User Name from option list object and write in correct Password then click the button shown below for entering operation window.



2. Setting up the screen

Setting some operating objects, numeric input objects and toggle switch objects in window 10.

1. Create 6 numeric objects from LW-0 to LW-5 and 8 toggle switch objects from LB-0~LB-7

Numeric Input Object's Properties

General | Data Entry | Numeric Format | Security | Shape | Font | Profile

Description :

☐ Read/Write use different addresses

Read address

PLC name :

Address :

Notification

☐ Enable

Notification on invalid input

☐ Enable

OK Cancel Help



Toggle Switch Object's Properties

General Security Shape Label Profile

Description :

Read address

PLC name : Local HMI

Address : LB 0

☐ Invert signal

Write address :

PLC name : Local HMI

Address : LB 0

☐ Write when button is released

Attribute

Switch style : Toggle

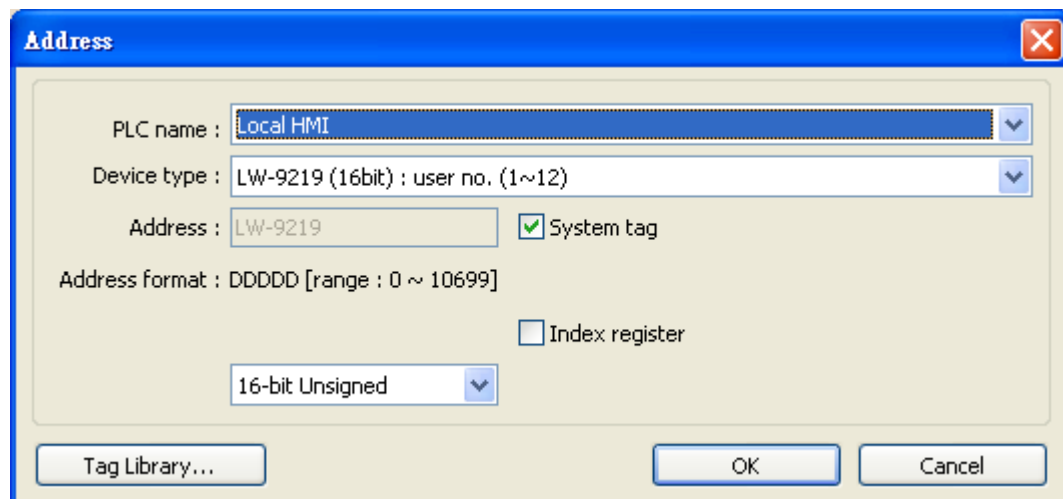
Macro

☐ Execute macro

OK Cancel Help

Set the system reserved address LW-9219 user no., LW-9220 password and a function key with security class A in Window 11.

1. Create an option list object, select 4 in Item no. After clicking settings, a dialogue will pop-up, tick System tag for selecting LW-9219 user no.



Address

PLC name : Local HMI

Device type : LW-9219 (16bit) : user no. (1~12)

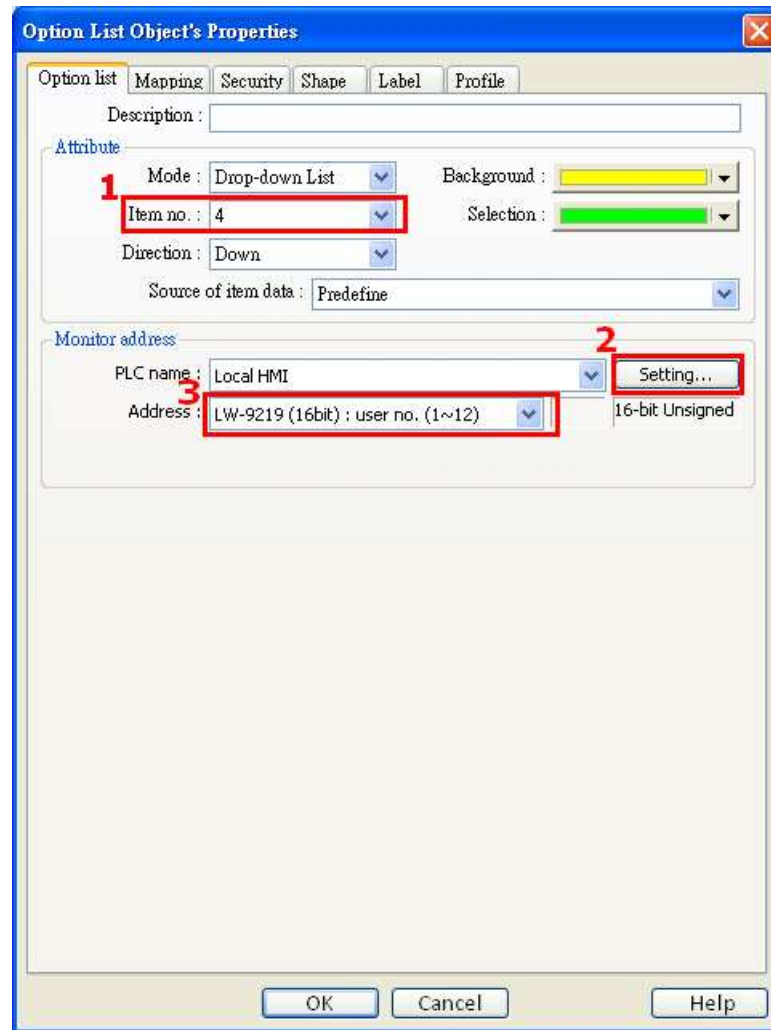
Address : LW-9219 ☒ System tag

Address format : DDDDD [range : 0 ~ 10699]

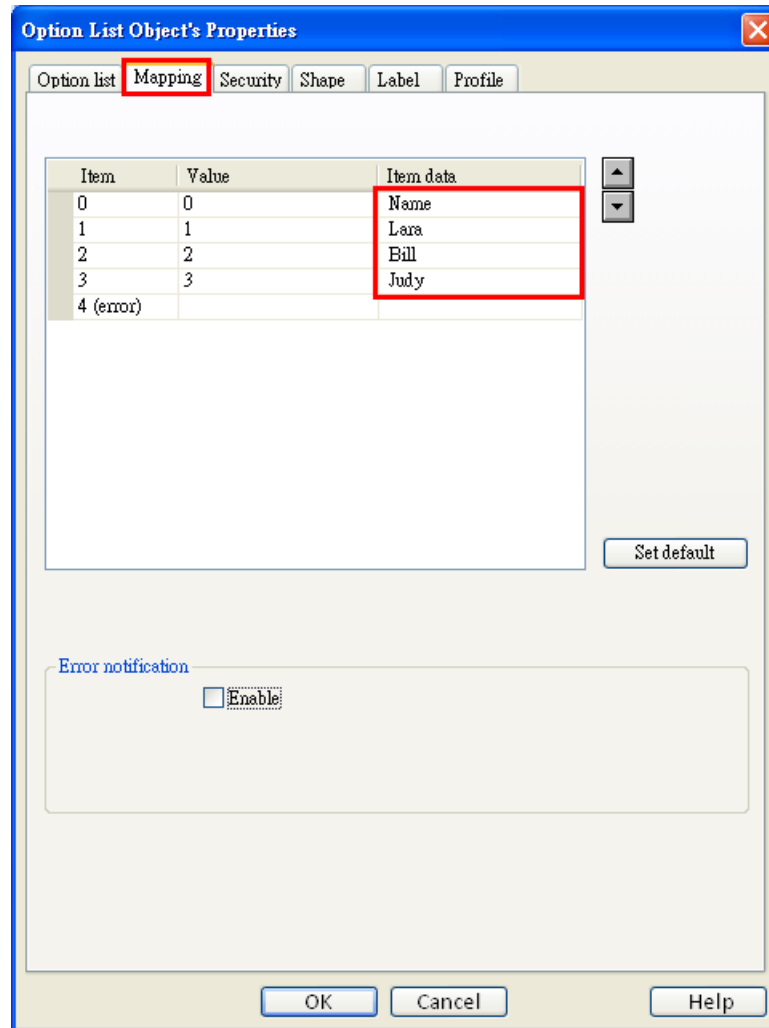
☐ Index register

16-bit Unsigned

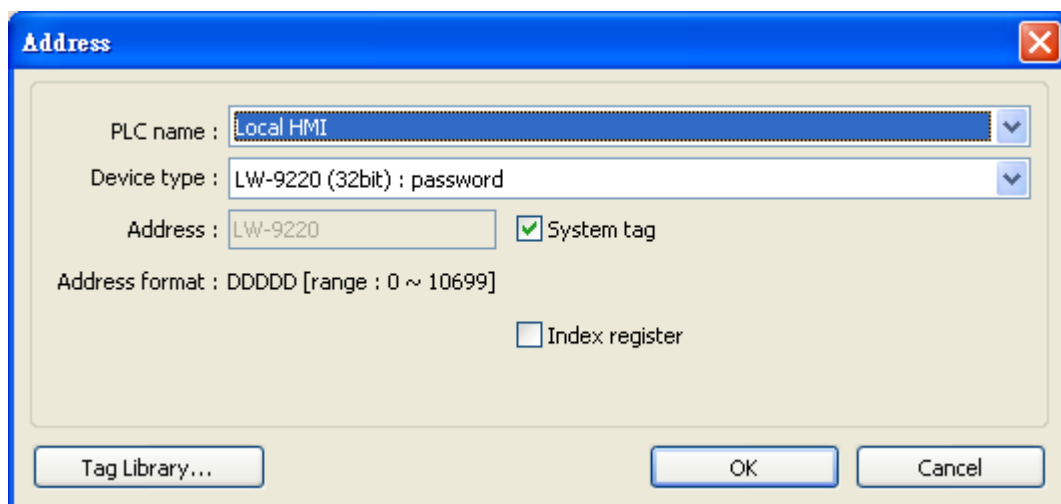
Tag Library... OK Cancel

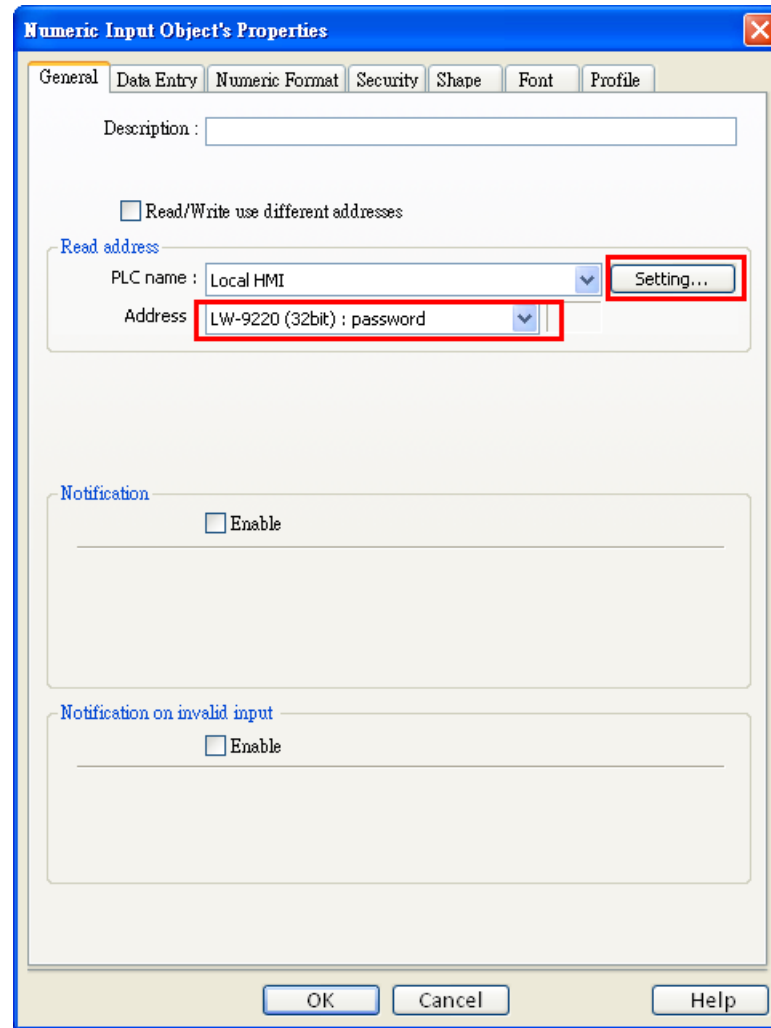


2. In the Mapping tab, write in the user name from value 1.

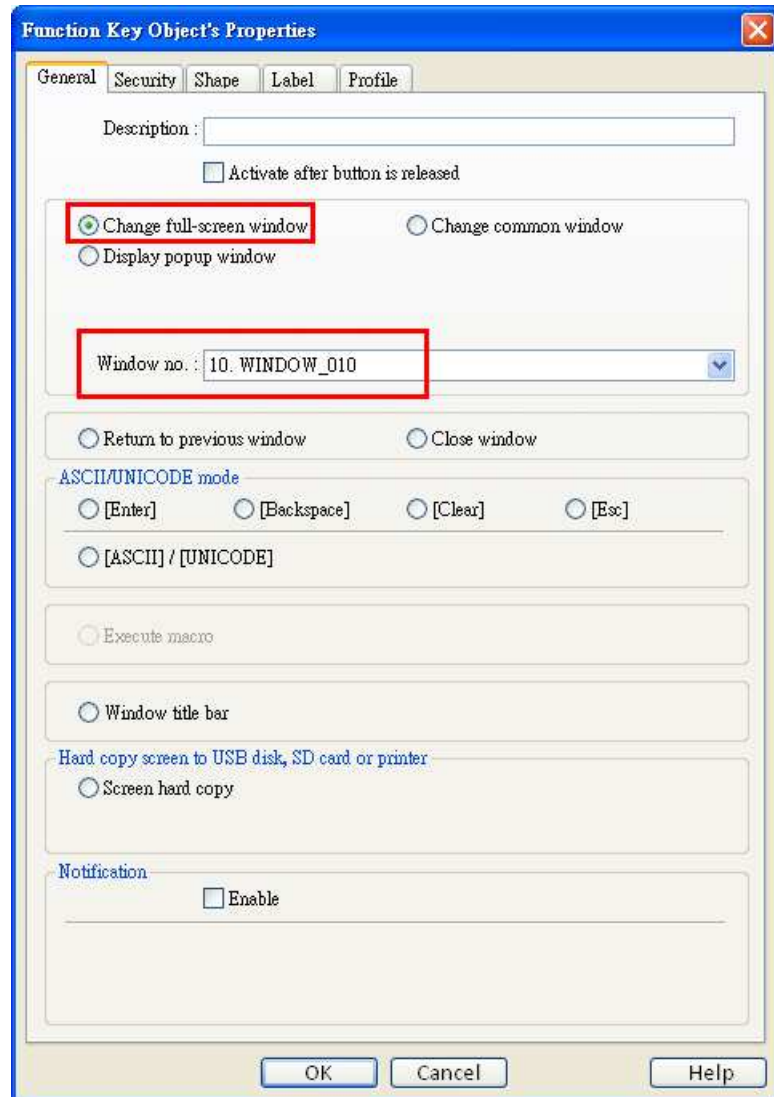


3. Create a numeric input object and click Setting. After clicking, a dialogue will pop-up, tick System tag for selecting LW-9220 password.





4. Create a function key object and select "Change full -screen window" and Window no. 10.



5. Select Class A in security tab and "Make invisible while protected".

Function Key Object's Properties

General Security Shape Label Profile

Safety control

Min. press time (sec) : 1

☐ Display confirmation request

Max. waiting time (sec) : 10

Interlock

☐ Use interlock function

User restriction

Object class : Class A

☐ Disable protection permanently after initial activation

☐ Display warning message if access denied

☒ Make invisible while protected

Sound

☐ Enable

Sound Library...

Play

Sound Index : Default

OK Cancel Help

3. Addresses

The addresses used in this demo project are listed below. Please change these addresses according to your system.

Addresses		Object's ID	Detail
Operating objects		Window 10	
Word	LW0	NE_0	Numeric input object
	LW1	NE_1	Numeric input object
	LW2	NE_2	Numeric input object
	LW3	NE_3	Numeric input object
	LW4	NE_4	Numeric input object
	LW5	NE_5	Numeric input object
Bit	LB0	TS_0	Toggle switch object
	LB1	TS_1	Toggle switch object
	LB2	TS_2	Toggle switch object
	LB3	TS_3	Toggle switch object
	LB4	TS_4	Toggle switch object
	LB5	TS_5	Toggle switch object
	LB6	TS_6	Toggle switch object
	LB7	TS_7	Toggle switch object
Screen Saver		Window 11	
System reserved address	LW-9219	OL_0	User No.
	LW-9220	NE_0	Password
		FK_0	Go to window 10