

Demo Project for Find Event Log Index Function in Macro

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1 Overview and Operation

[Overview]

This demo project is to demonstrate how to use Macro: FindEventLogIndex() to gain the index value of Event Log. With Event Display Object the content of the Event Log of a specified date can be displayed as shown below.

```

1  macro_command main()
2  short index, year, month, day
3  short success, fail
4
5  // get data
6  GetData(year, "Local HMI", LW, 100, 1)
7  GetData(month, "Local HMI", LW, 102, 1)
8  GetData(day, "Local HMI", LW, 104, 1)
9
10 success = FindEventLogIndex(year, month, day, index)
11
12 // set data
13 SetData(index, "Local HMI", LW, 108, 1)
14 SetData(success, "Local HMI", LB, 112, 1)
15 fail = not success
16 SetData(fail, "Local HMI", LB, 110, 1)
17
18
19 end_macro_command
20

```

[Operation]

Please refer to the following operation steps 1~3.

Demo Project - FindEventLogIndex

Step 1: Input date

yyyy mm dd

Step 2: Click button to trigger Macro

Step 3: Output:

index

success

fail

Event Display

01/12/11	13:47:15	Event 5
01/12/11	13:47:14	Event 4
01/12/11	13:47:14	Event 3
01/12/11	13:47:13	Event 2
01/12/11	13:47:12	Event 1

Editor: Tony

After gaining index value the [success] indicator will turn ON, if no specified date, [fail] indicator will turn

2 Setting Up the Screen

2-1 Edit Macro as shown below, the addresses used here are only examples which users are free to change.

```
1  macro_command main()
2  short index, year, month, day
3  short success, fail
4
5  // get data
6  GetData(year, "Local HMI", LW, 100, 1)
7  GetData(month, "Local HMI", LW, 102, 1)
8  GetData(day, "Local HMI", LW, 104, 1)
9
10 success = FindEventLogIndex(year, month, day, index)
11
12 // set data
13 SetData(index, "Local HMI", LW, 108, 1)
14 SetData(success, "Local HMI", LB, 112, 1)
15 fail = not success
16 SetData(fail, "Local HMI", LB, 110, 1)
17
18
19 end macro_command
20
```


2-2 Add LW100, 102,104 for inputting the specified date.

Step 1: Input date

YYYY MM DD



##

Step 2: Click button to trigger Macro



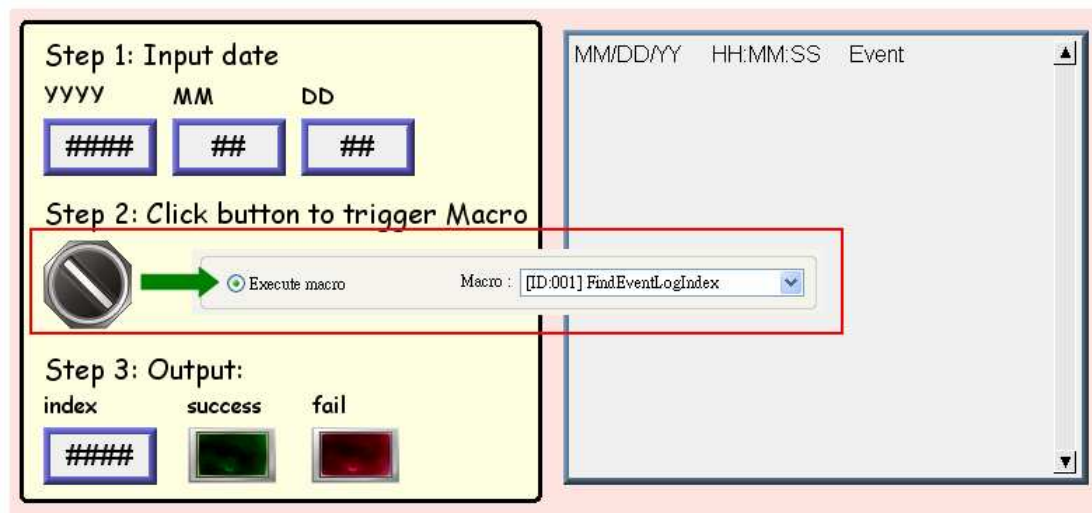
Step 3: Output:

index success fail

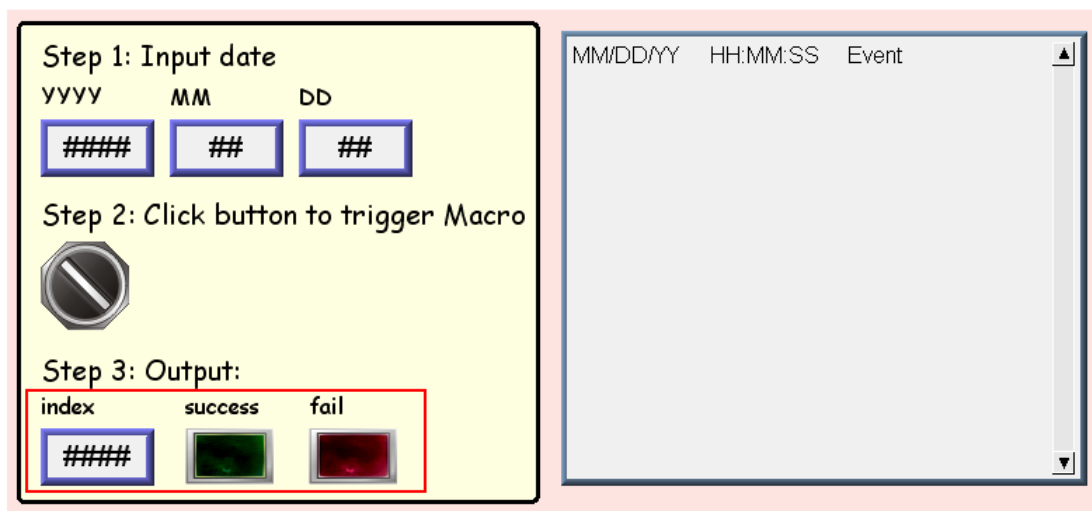
 

MM/DD/YY HH:MM:SS Event

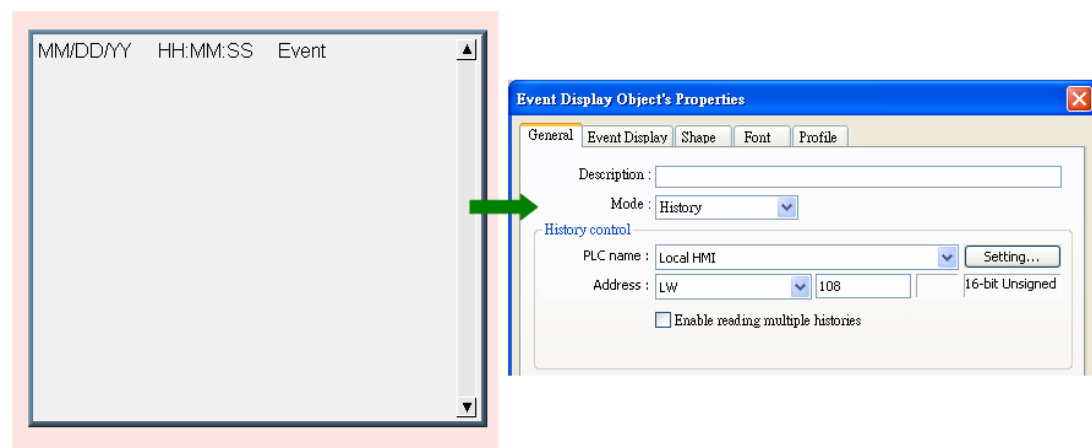
2-3 Create a Function Key Object to trigger Macro.



2-4 Add LW108 to display index value, and LB112, LB110 to respectively display if the index value is successfully gained or not.



2-5 Create an Event Display Object, set [History Control Address] to LW108.



3 Addresses

The Object Addresses used in this demo project are listed below: Users can change Addresses and Object ID base on actual usage.

Addresses		Object ID	Detail
Window 10			
Bit Lamp	LB110	BL_0	To display fail message
	LB112	BL_1	To display success message
Numeric Display	LW100	NE_0	Input Year
	LW102	NE_1	Input Month
	LW104	NE_2	Input Day
	LW108	NE_3	Display Index
Function Key		FK_0	To trigger macro