

WEINTEK LABS., INC.

Data Log - Customized File Handling

Demo Project

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1. Overview and Operation

Overview

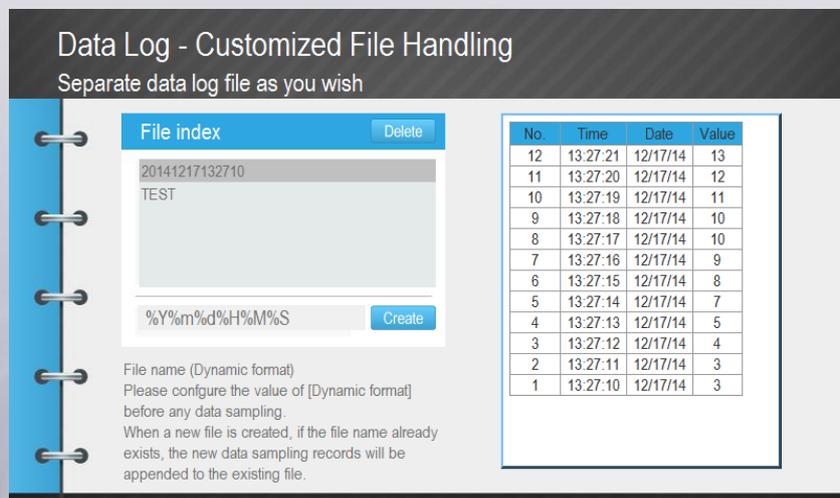
This demo project introduces how to use Customized File Handling feature to customize naming and management of data sampling files. This feature provides the following two ways to manage the files:

- Automatic mode: A new file will be created when the file name is changed.
- Trigger mode: A new file will be created when the number of data sampling records reaches the specified "Max. data records in a file", or when the status of a designated Bit address meets the specified condition.

This demo project introduces trigger mode.

Operation

Enter the file name in [File name] field and then click [Create] button. A new data sampling file will be created. Or, name the file using the provided syntax. A data sampling file will be created when the number of records reaches 30 records (in this demo project).



Data Log - Customized File Handling
Separate data log file as you wish

No.	Time	Date	Value
12	13:27:21	12/17/14	13
11	13:27:20	12/17/14	12
10	13:27:19	12/17/14	11
9	13:27:18	12/17/14	10
8	13:27:17	12/17/14	10
7	13:27:16	12/17/14	9
6	13:27:15	12/17/14	8
5	13:27:14	12/17/14	7
4	13:27:13	12/17/14	5
3	13:27:12	12/17/14	4
2	13:27:11	12/17/14	3
1	13:27:10	12/17/14	3

File index [Delete]

20141217132710
TEST

%Y%m%d%H%M%S [Create]

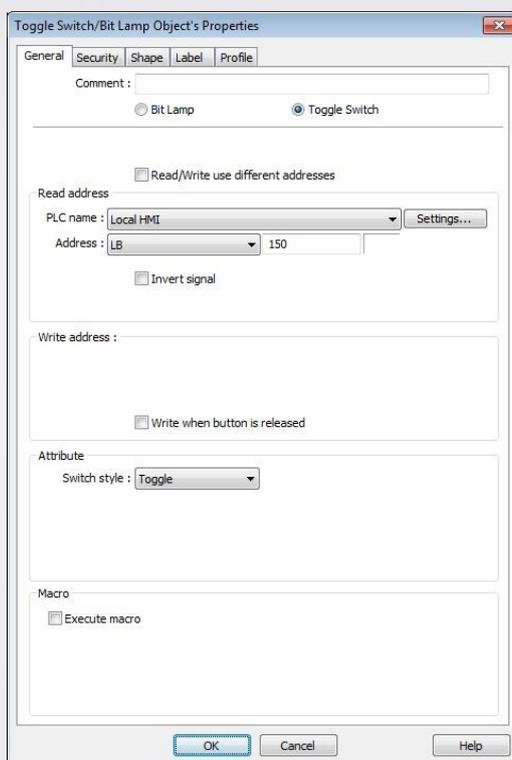
File name (Dynamic format)
Please configure the value of [Dynamic format] before any data sampling.
When a new file is created, if the file name already exists, the new data sampling records will be appended to the existing file.

2. Setting up the Screen

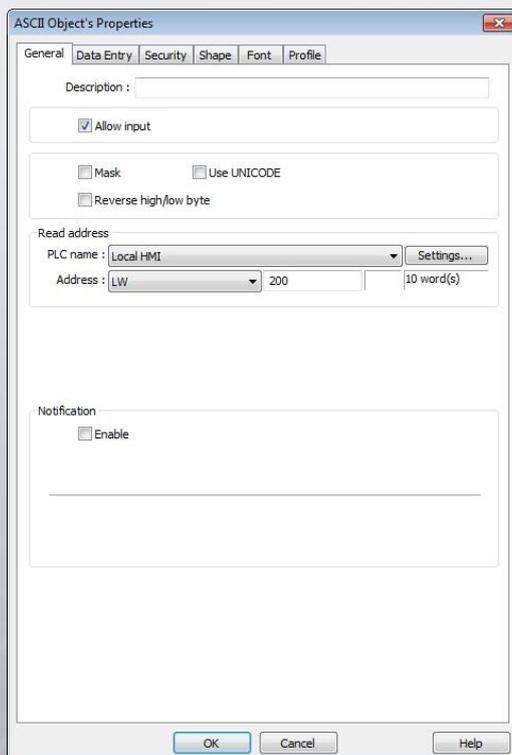
Step 1. Create a Data Sampling object as shown in the following figure.

Customized File Handling

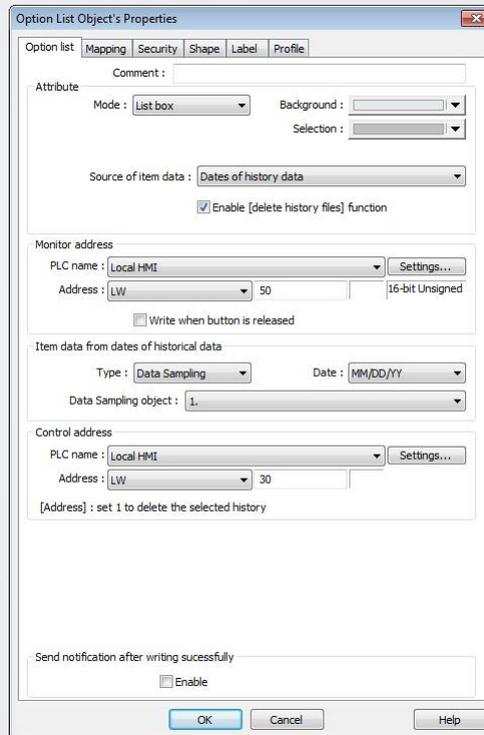
Step 2. Create a Toggle Switch object, set address to LB-150, set switch style to Toggle, for creating a new data sampling file.



Step 3. Create an ASCII Input object, set address to LW-200, set the length to 10 words, for entering a file name.



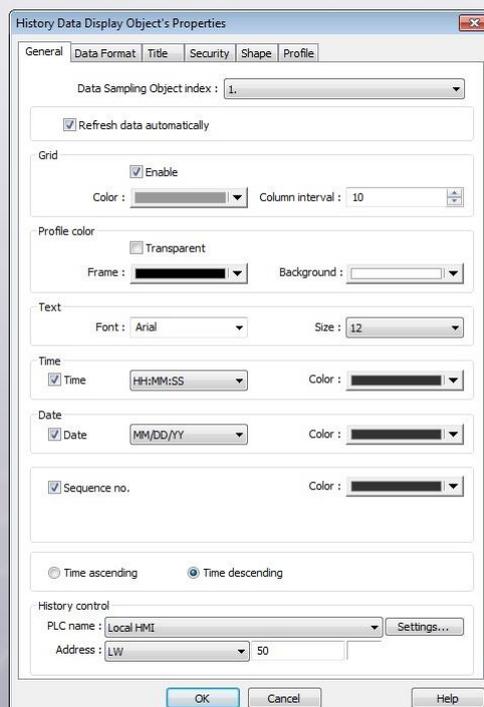
- Step 4.** Create an Option List object, set the source of item data to [Dates of history data]. Set monitor address to LW-50, and enable [delete history files] function (LW-30), for viewing historical records.



The dialog box 'Option List Object's Properties' has the following settings:

- Option list:** Mapping, Security, Shape, Label, Profile
- Comment:** (empty)
- Attribute:** Mode: List box, Background: (empty), Selection: (empty)
- Source of item data:** Dates of history data
- Enable [delete history files] function
- Monitor address:** PLC name: Local HMI, Address: LW 50, [16-bit Unsigned]
- Write when button is released
- Item data from dates of historical data:** Type: Data Sampling, Date: MM/DD/YY, Data Sampling object: 1.
- Control address:** PLC name: Local HMI, Address: LW 30, [Address] : set 1 to delete the selected history
- Send notification after writing successfully:** Enable

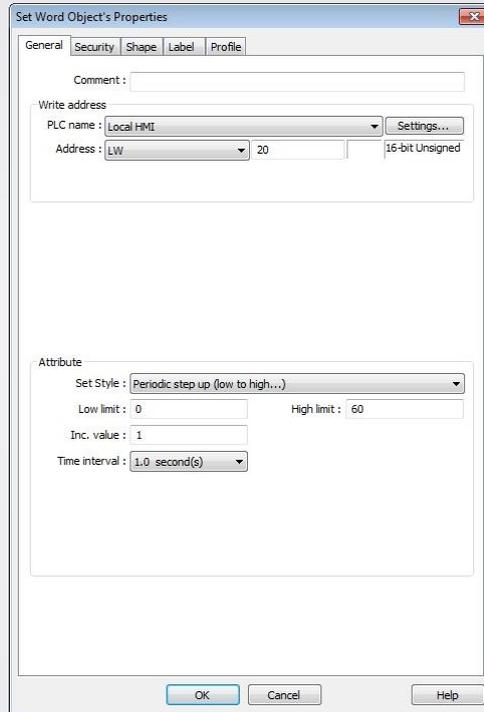
- Step 5.** Create a History Data Display object, set history control address to LW-50, for viewing historical records.



The dialog box 'History Data Display Object's Properties' has the following settings:

- General:** Data Sampling Object index: 1.
- Refresh data automatically
- Grid:** Enable, Color: (empty), Column interval: 10
- Profile color:** Transparent, Frame: (empty), Background: (empty)
- Text:** Font: Arial, Size: 12
- Time:** Time, HH:MM:SS, Color: (empty)
- Date:** Date, MM/DD/YY, Color: (empty)
- Sequence no., Color: (empty)
- Time ascending, Time descending
- History control:** PLC name: Local HMI, Address: LW 50

Step 6. Create a Set Word object, set address to LW-20, select “Periodic step up (low to high...)” as Set Style, for changing data sampling value.



Set Word Object's Properties

General Security Shape Label Profile

Comment :

Write address

PLC name : Local HMI Settings...

Address : LW 20 16-bit Unsigned

Attribute

Set Style : Periodic step up (low to high...)

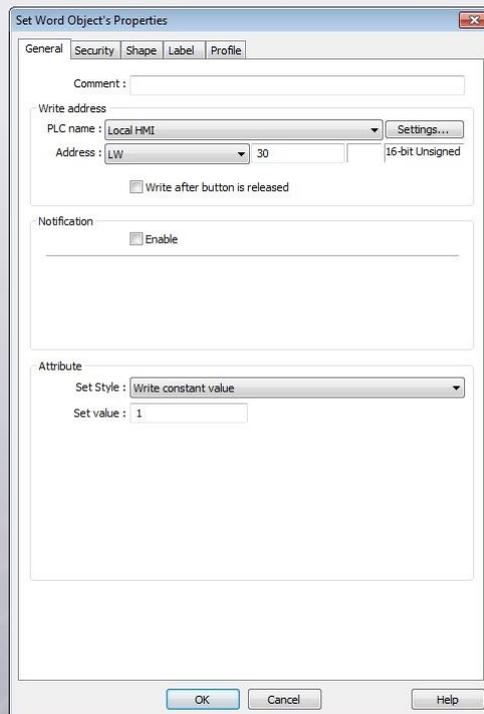
Low limit : 0 High limit : 60

Inc. value : 1

Time interval : 1.0 second(s)

OK Cancel Help

Step 7. Create a Set Word object, set address to LW-30, select “write constant value” (1) as Set Style, for deleting the select item in Option List object.



Set Word Object's Properties

General Security Shape Label Profile

Comment :

Write address

PLC name : Local HMI Settings...

Address : LW 30 16-bit Unsigned

Write after button is released

Notification

Enable

Attribute

Set Style : Write constant value

Set value : 1

OK Cancel Help