

Demo Project for Backup Object- User-Defined Backup Range of Days

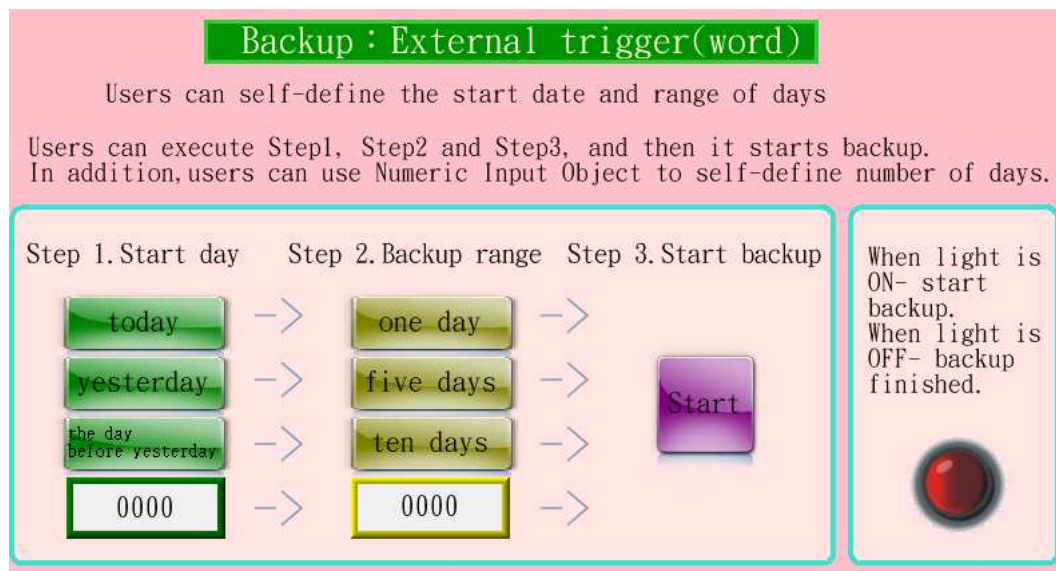
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1. Overview and Operation

Overview

Users can self-define the start date and range of days to back up data using Backup Object.



For triggering Backup, please see demonstration below:

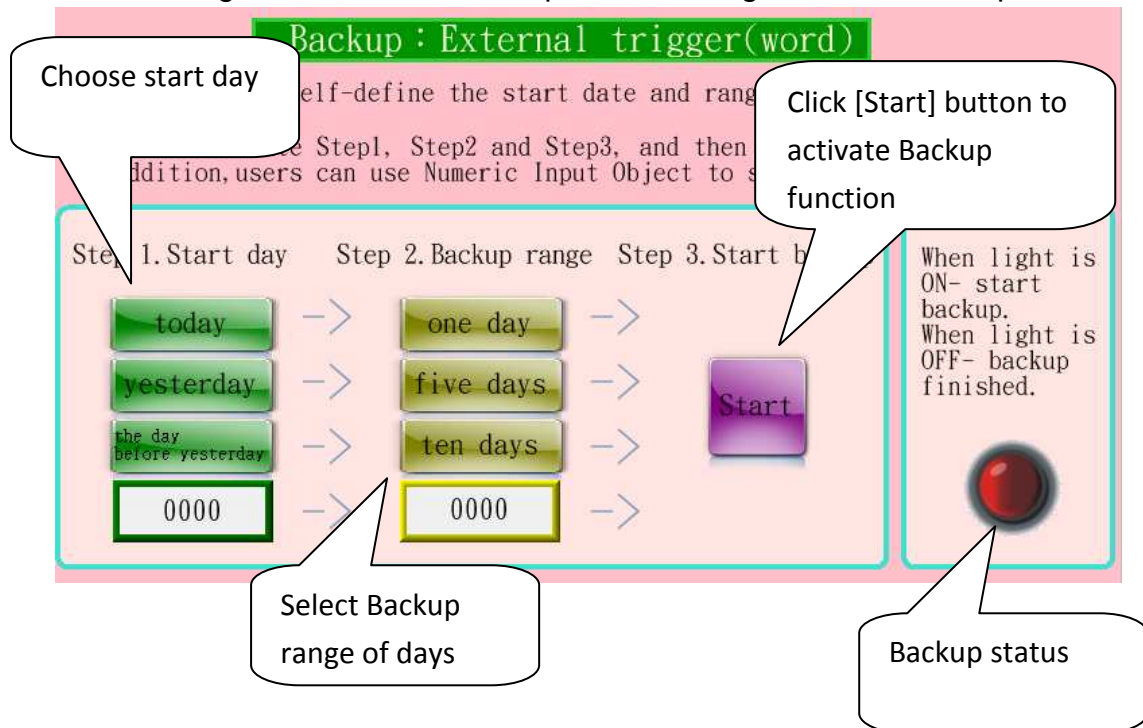
Set Backup Trigger Address, and then set the day to start and for how many days, then push [Start].

Follow the steps 1~3 as shown to trigger Backup.

Users can also use Numeric Input Object to self-define number of days.

Operation

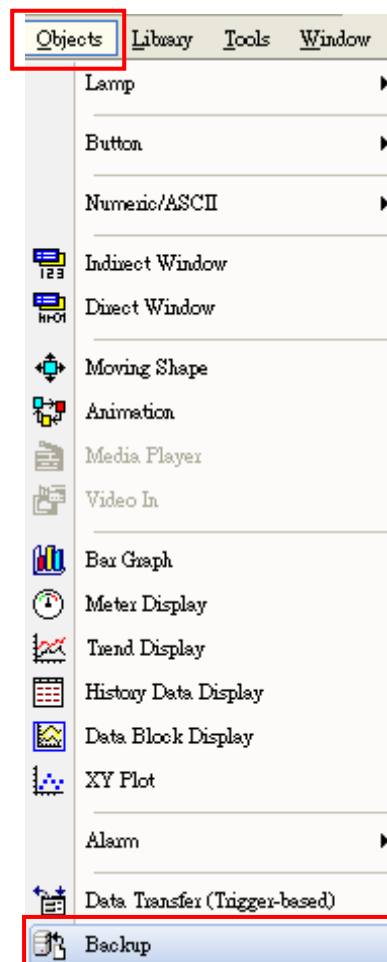
Additionally, users can check the Backup status from the indicator on the right side. When light is ON- starts Backup, and when light is OFF- Backup finished.



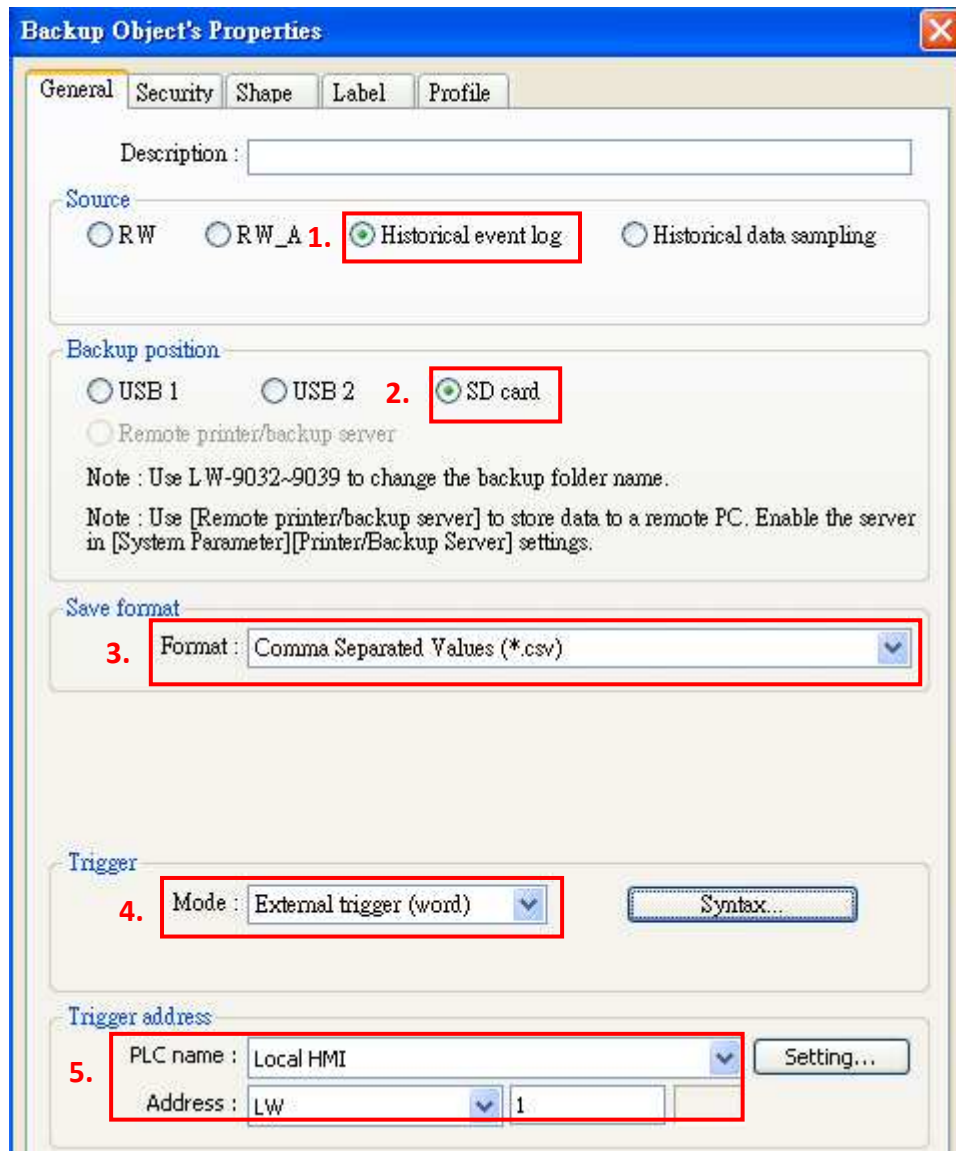
2. Setting up the Screen

1. Setting the Backup

Go to **[Objects]/ [Backup]**.



When creating a Backup Object, there are 5 steps to set in **[General]** page



Backup Object's Properties

General Security Shape Label Profile

Description :

Source

☐ RW ☐ RW_A 1. ☒ Historical event log ☐ Historical data sampling

Backup position

☐ USB 1 ☐ USB 2 2. ☒ SD card ☐ Remote printer/backup server

Note : Use LW-9032~9039 to change the backup folder name.

Note : Use [Remote printer/backup server] to store data to a remote PC. Enable the server in [System Parameter][Printer/Backup Server] settings.

Save format

3. Format : Comma Separated Values (*.csv)

Trigger

4. Mode : External trigger (word) Syntax...

Trigger address

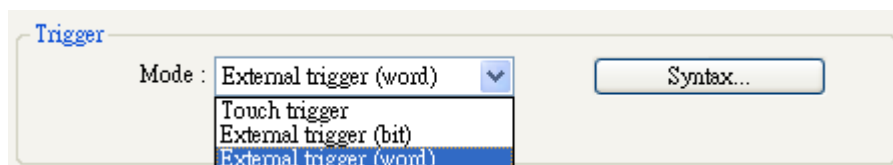
5. PLC name : Local HMI Setting...
Address : LW 1

Step1. Set [Source] to [Historical event log].

Step2. Set [Backup position] to [SD card].

Step3. Set [Save format] to [CSV].

Step4. Set [Trigger Mode] to [External trigger (word)].

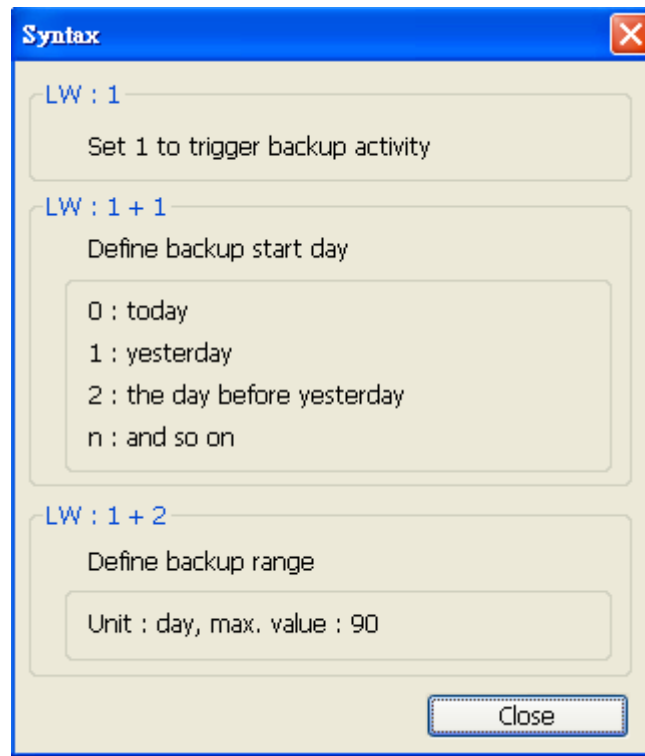


Trigger

Mode : External trigger (word) Syntax...

Touch trigger
External trigger (bit)
External trigger (word)

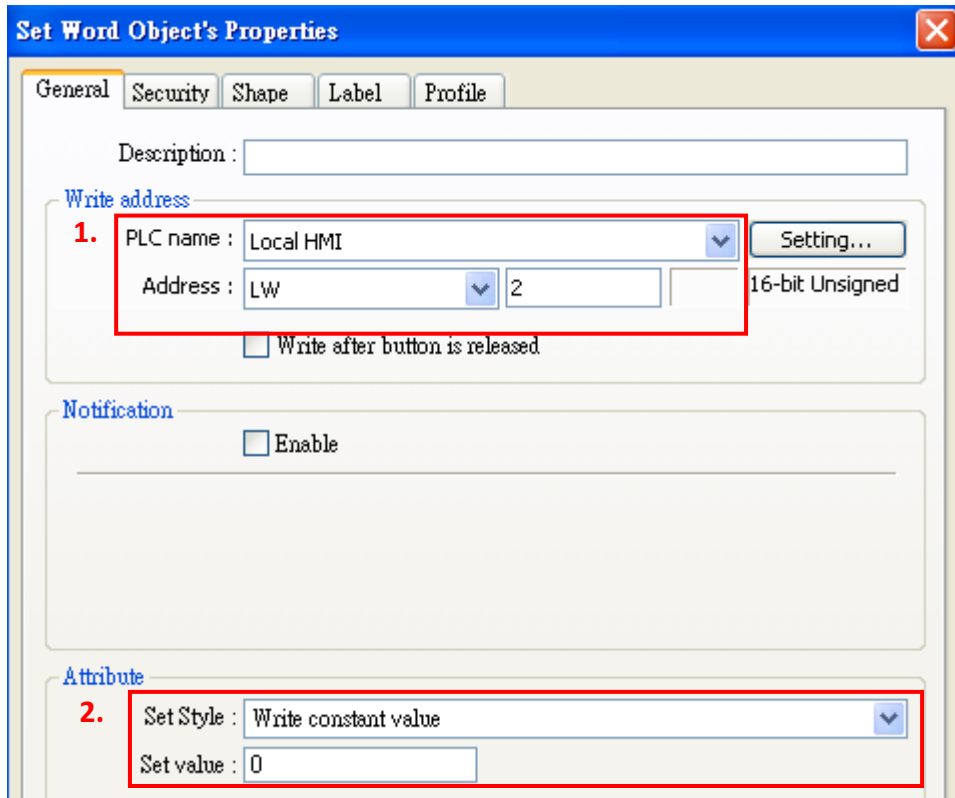
Click [Syntax] to check the ways of setting.



Step5. Set the [Trigger address] to LW1, the system will designate LW1 to trigger Backup activity, LW2 to define Backup start day, and LW3 to define Backup range of days.



2. Create a Set Word Object to set the day to start Backup.



Set Word Object's Properties

General Security Shape Label Profile

Description :

Write address

1. PLC name : Local HMI

Address : LW 2

16-bit Unsigned

☐ Write after button is released

Notification

☐ Enable

Attribute

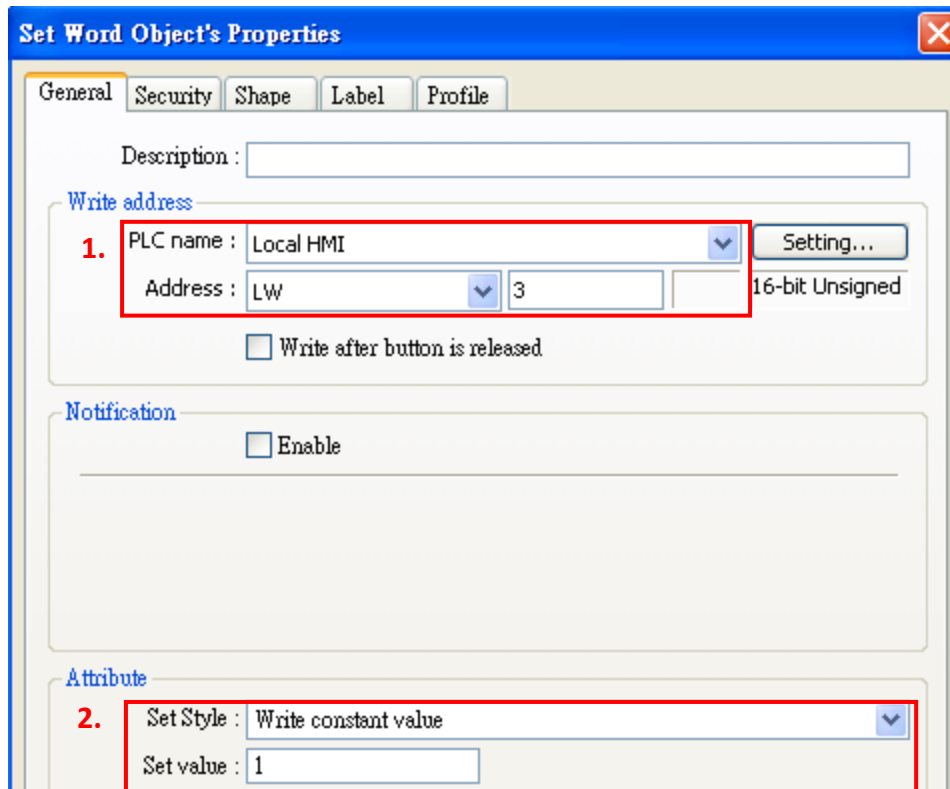
2. Set Style : Write constant value

Set value : 0

Step1.Set [Write address] to [Backup Trigger Address+1]. Setting LW2 here means to start Backup from today.

Step2.Select [Write constant value] for [Set Style], "0" for [Set value].Value "0" means the start day is today.

3. Create a Set Word Object to set the Backup range of days.



Set Word Object's Properties

General Security Shape Label Profile

Description :

1. Write address

PLC name : Local HMI

Address : LW 3 16-bit Unsigned

☐ Write after button is released

Notification

☐ Enable

2. Attribute

Set Style : Write constant value

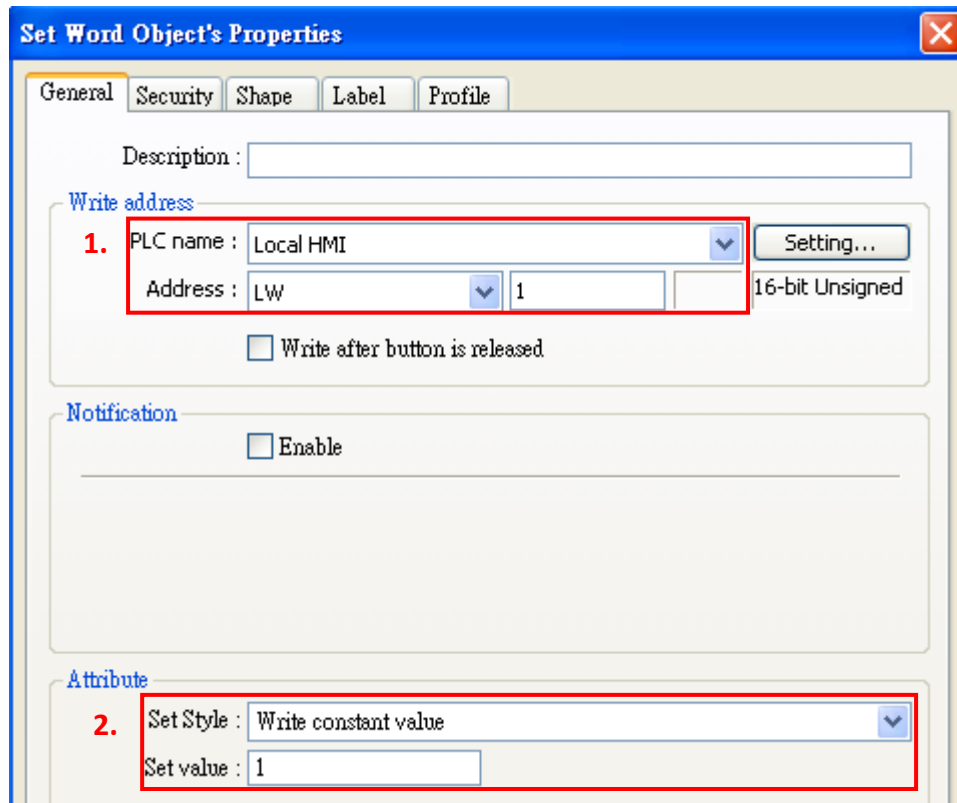
Set value : 1

Step1. Set LW3 in [Write address] (Backup Trigger Address+2).

Step2. Select [Write constant value] for [Set Style] and "1" for [Set value].

This value shows to backup data of one day. Fill in the value according to how many days of data to backup.

4. Create a Set Word Object to start Backup,



Set Word Object's Properties

General Security Shape Label Profile

Description :

1. Write address

PLC name : Local HMI

Address : LW 1 16-bit Unsigned

☐ Write after button is released

Notification

☐ Enable

2. Attribute

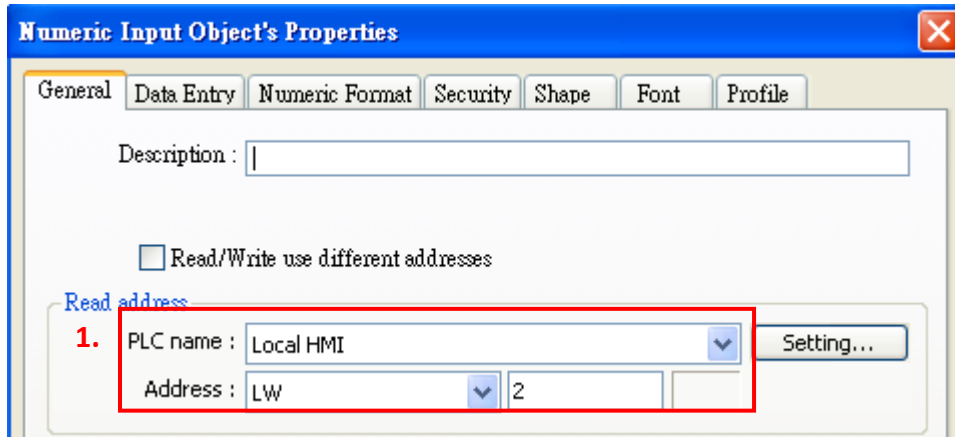
Set Style : Write constant value

Set value : 1

Step1. Set [Write address] to [Backup Trigger Address], setting LW1 here means to trigger Backup from this address.

Step2. [Set Style] to [Write constant value] and [Set value] to "1",

5. Users can also use Numeric Input Object to self-define number of days.



Numeric Input Object's Properties

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

Description :

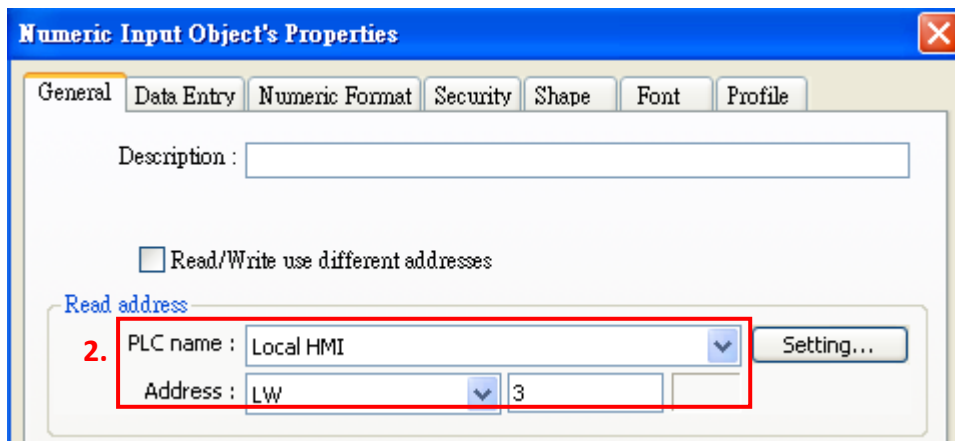
☐ Read/Write use different addresses

Read address

1. PLC name : Local HMI

Address : LW

Step1. Set to LW2 for users to input the start day.



Numeric Input Object's Properties

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

Description :

☐ Read/Write use different addresses

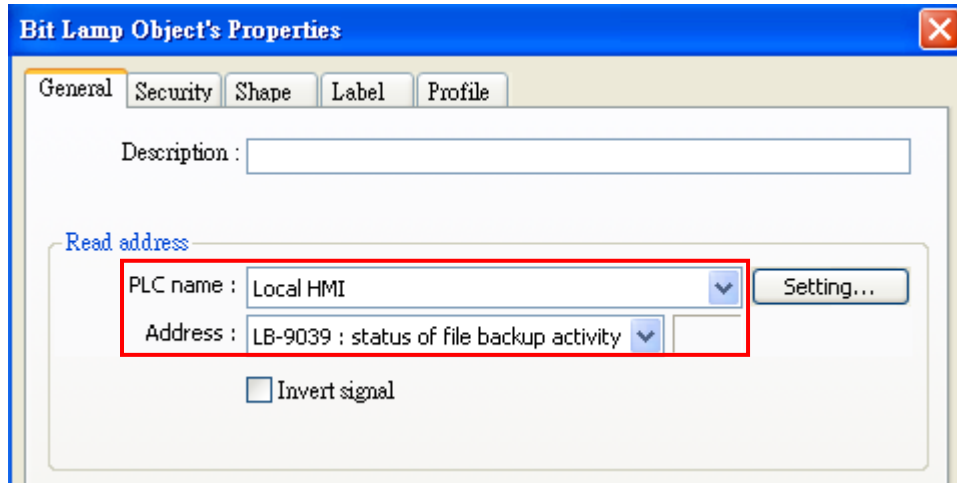
Read address

2. PLC name : Local HMI

Address : LW

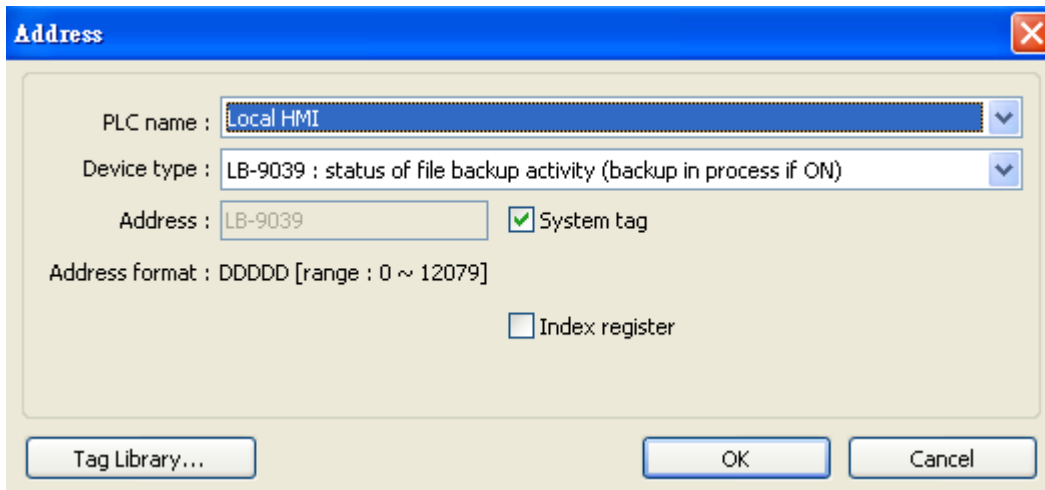
Step2. Set to LW3 for users to define Backup range of days.

6. Set a Bit Lamp Object to [LB-9039: status of file backup activity.]



The dialog box titled "Bit Lamp Object's Properties" has a blue header bar with a close button. It contains several tabs: "General", "Security", "Shape", "Label", and "Profile". The "General" tab is selected. Inside the tab, there is a "Description:" label followed by a text input field. Below this is a "Read address" section. Within this section, there is a "PLC name:" dropdown menu set to "Local HMI" and a "Setting..." button. Below the PLC name is an "Address:" dropdown menu set to "LB-9039 : status of file backup activity". A red rectangle highlights the "PLC name" and "Address" fields. At the bottom of the "Read address" section is a checkbox labeled "Invert signal" which is currently unchecked.

This register is for checking the Backup status. When light is ON- starts Backup. When light is OFF- Backup finished.



The dialog box titled "Address" has a blue header bar with a close button. It contains several fields: "PLC name:" dropdown menu set to "Local HMI", "Device type:" dropdown menu set to "LB-9039 : status of file backup activity (backup in process if ON)", "Address:" text input field set to "LB-9039", and a checked checkbox labeled "System tag". Below these fields is the text "Address format : DDDDD [range : 0 ~ 12079]" and an unchecked checkbox labeled "Index register". At the bottom of the dialog are three buttons: "Tag Library...", "OK", and "Cancel".

3. Addresses

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

Object	Address	Object ID	Detail
Window 10			
Backup		BU_0	Backup to SD card
Set Word	LW2	SW _0	Start day
	LW3	SW _1	Backup day range
	LW1	SW _6	Start Backup
	LW2	SW _2	Start day
	LW3	SW _4	Backup day range
	LW2	SW _3	Start Backup
	LW3	SW _5	Start day
Numeric Input	LW2	NE_0	Start day
	LW3	NE_1	Backup day range
Bit-Lamp	LB-9039	BL_0	Status of file backup activity