

Event Write Address

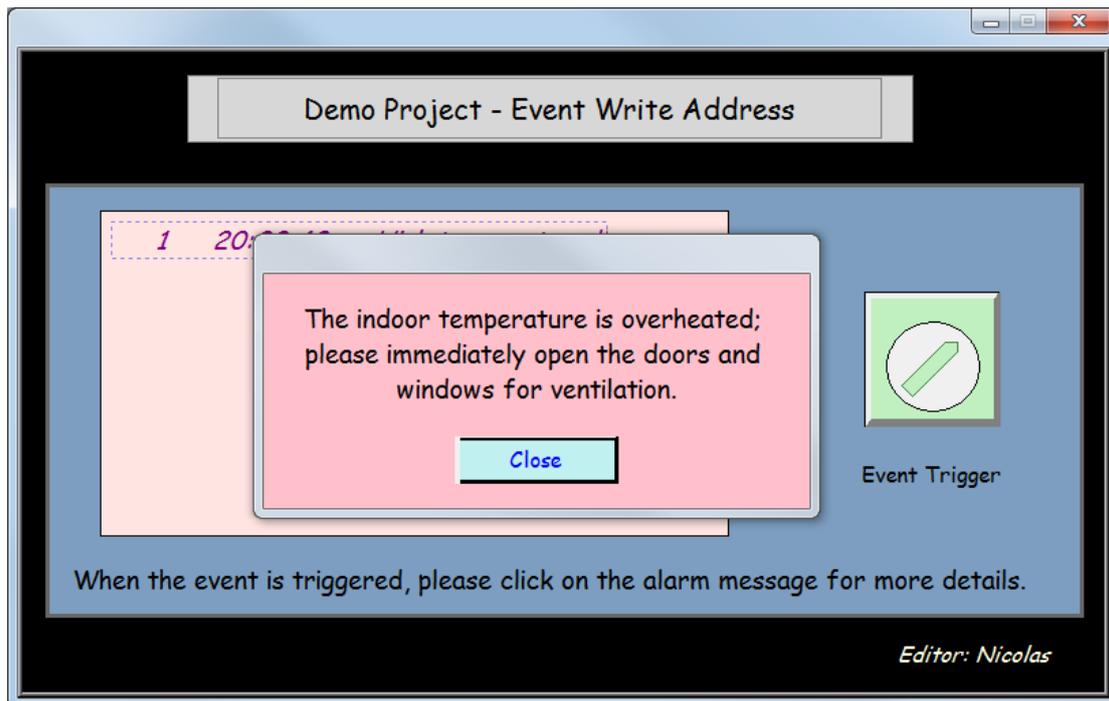
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1. Overview and Operation

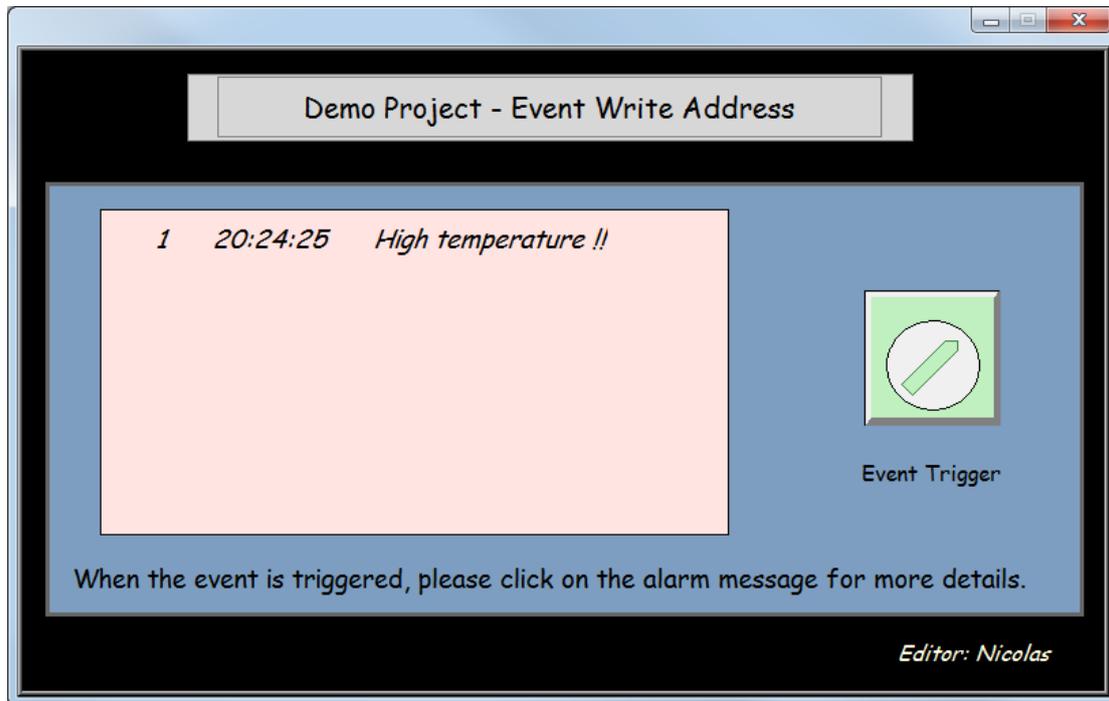
Overview

This demo project introduces how to use Write Address of Event Display Object. When an event is triggered, click on the event to acknowledge it. A popup dialog will then display the detailed message of the event.

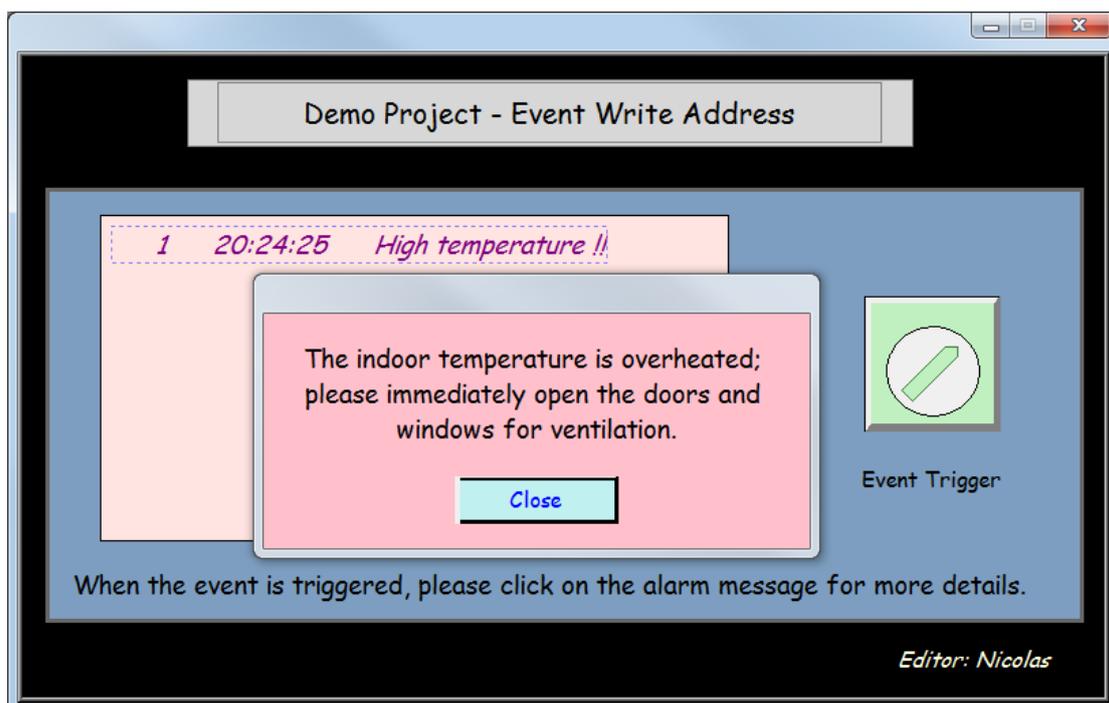


Operation

Click on the [Event Trigger] button to trigger an event.

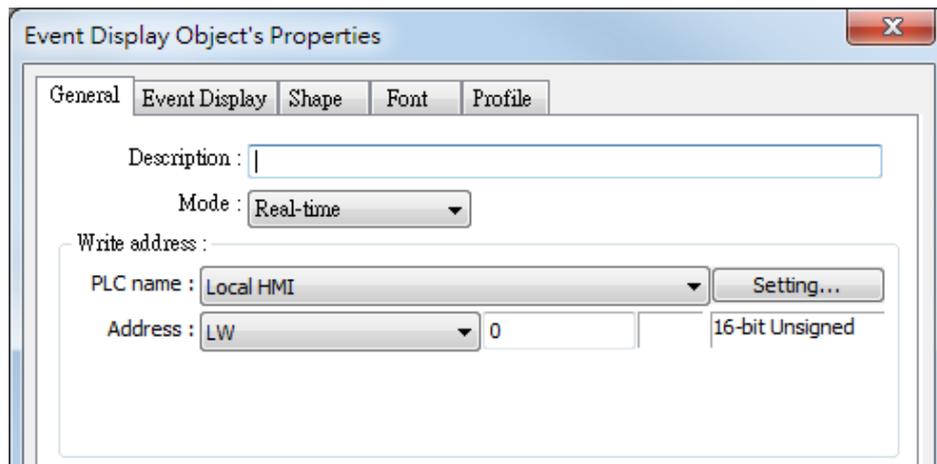


When an event is triggered, click on the event to acknowledge it. A popup dialog displays more details.



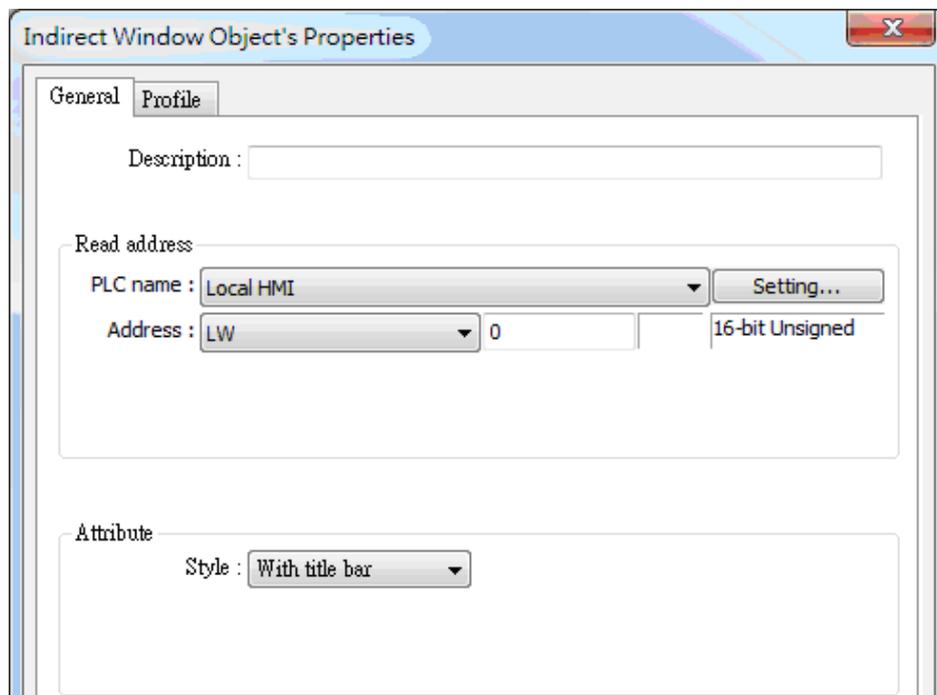
2. Setting up the Screen

1. In window no. 10 create an Event Display Object, set to [Real-time] mode. Set [Write address] to LW-0.

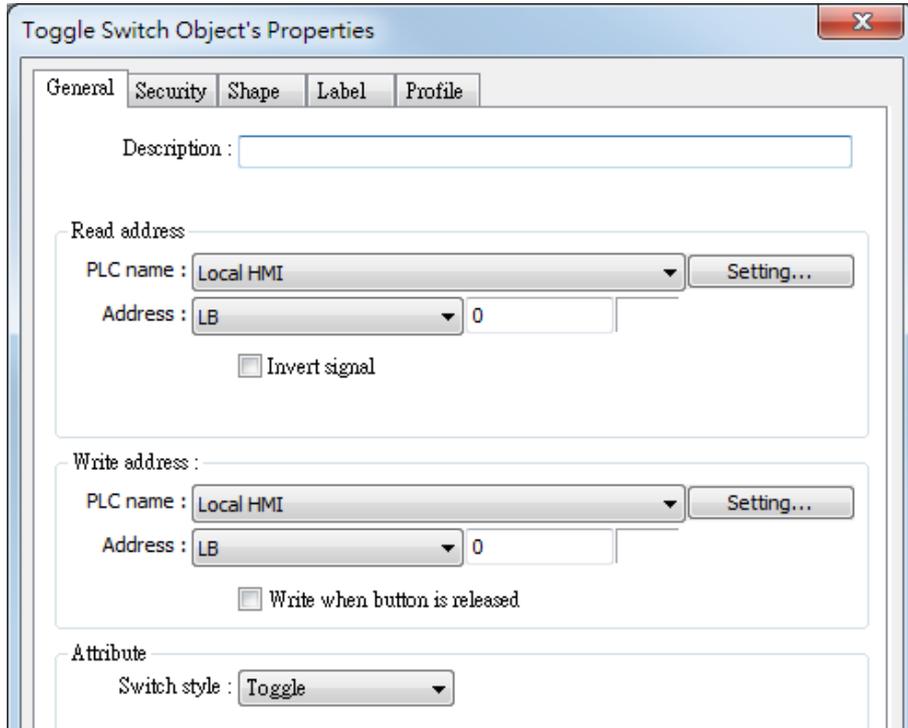


In the [Event Display] tab, set the relevant properties.

2. In window no. 10 create an Indirect Window Object. Set [Read address] to LW-0 and select "With title bar".



- In window no. 10 create a Toggle Switch Object. Set [Read address] and [Write address] to LB-0. Set [Switch style] to "Toggle".



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

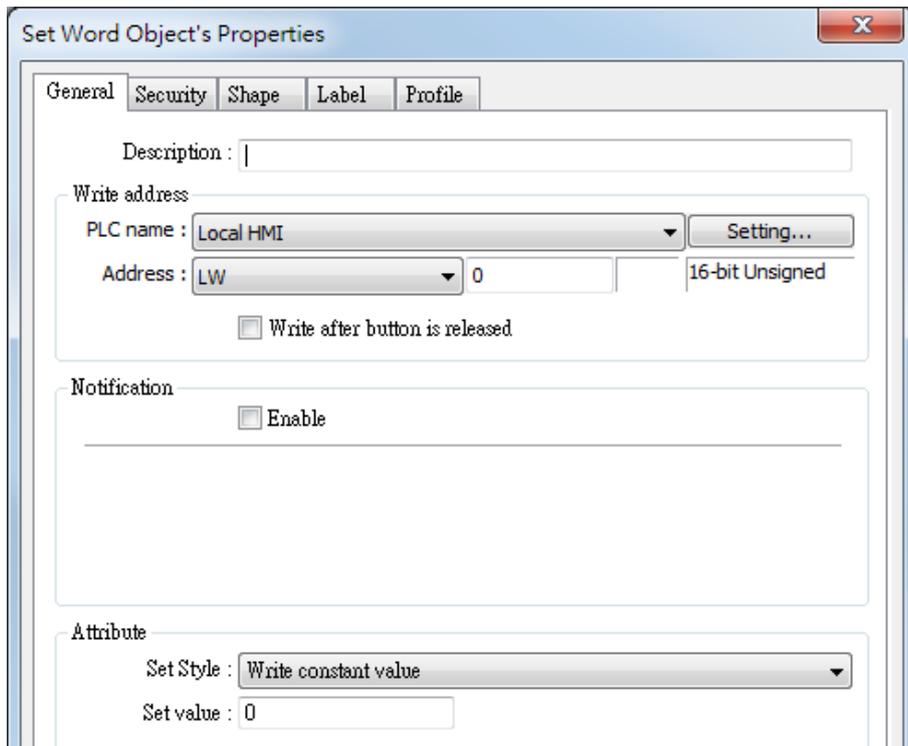
Address : LB 0

Write when button is released

Attribute

Switch style : Toggle

- In window no. 11 create a Set Word Object to close the Indirect Window. Set [Write address] to LW-0, [Set style] to "Write constant value", and [Set value] to 0.



Set Word Object's Properties

General Security Shape Label Profile

Description :

Write address

PLC name : Local HMI

Address : LW 0 16-bit Unsigned

Write after button is released

Notification

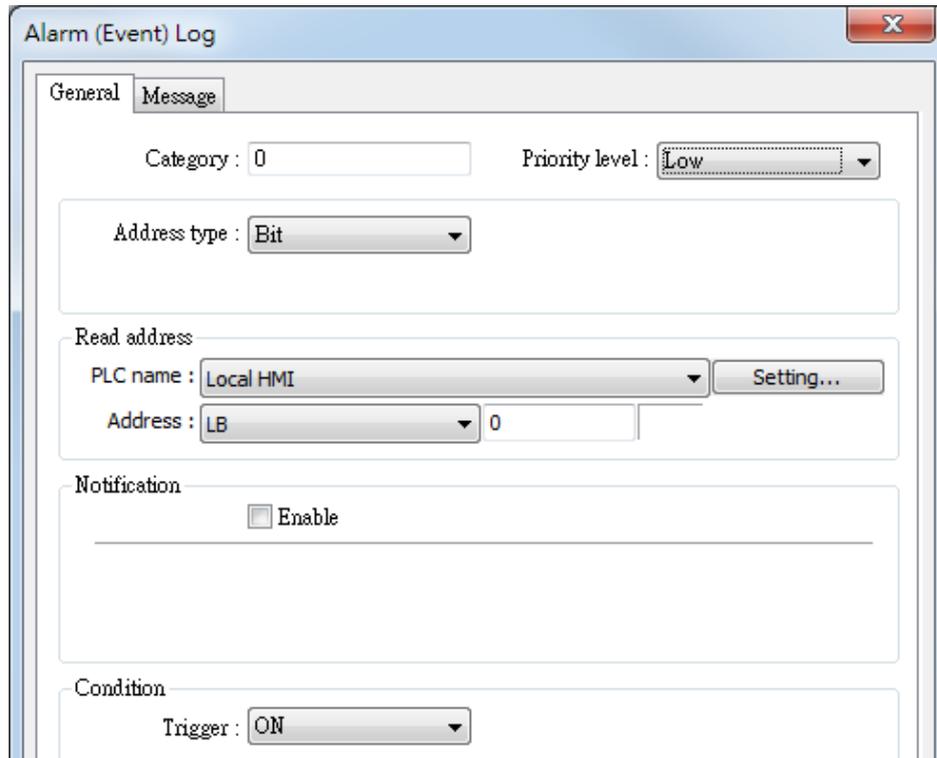
Enable

Attribute

Set Style : Write constant value

Set value : 0

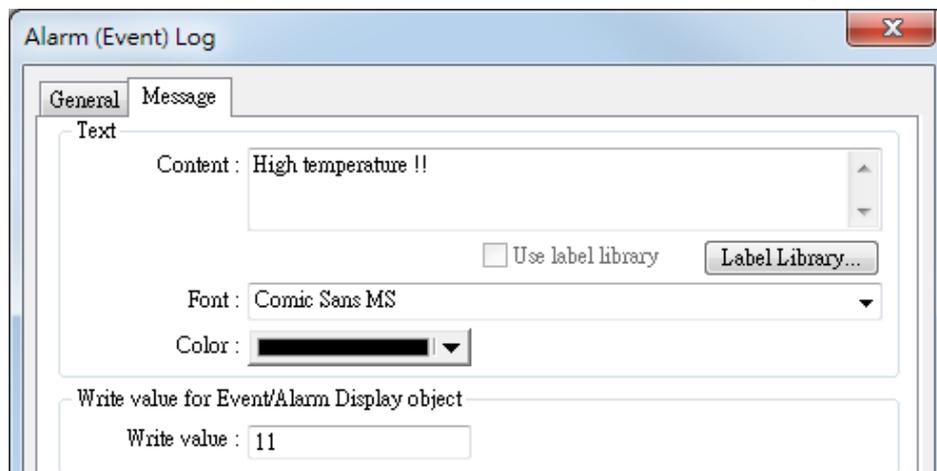
5. Create an Alarm (Event) Log and set the relevant properties as follows:



The screenshot shows the 'Alarm (Event) Log' dialog box with the 'General' tab selected. The 'Message' sub-tab is also active. The configuration is as follows:

- Category: 0
- Priority level: Low
- Address type: Bit
- Read address:
 - PLC name: Local HMI
 - Address: LB 0
- Notification: Enable
- Condition: Trigger: ON

In the [Message] tab, set [Write value for Event / Alarm Display object] to 11. Window no. 11 will popup when an event / alarm is acknowledged.



The screenshot shows the 'Alarm (Event) Log' dialog box with the 'Message' tab selected. The configuration is as follows:

- Text:
 - Content: High temperature !!
 - Use label library:
 - Font: Comic Sans MS
 - Color: Black
- Write value for Event/Alarm Display object:
 - Write value: 11

3. Addresses

The addresses of the objects used in this demonstration are listed below.

| Object | Address | Object ID | Description |
|------------------|---------|-----------|-------------------------|
| Window 10 | | | |
| Event Display | LW_0 | ED_0 | Displays the events |
| Indirect Window | LW-0 | WP_0 | A popup message window |
| Toggle Switch | LB-0 | TS_0 | Triggers events |
| Window 11 | | | |
| Set Word | LW_0 | SW_0 | Closes the popup window |