

Demo Project for Alarm/Event with Continuous Beep Until Acknowledge or Recovered

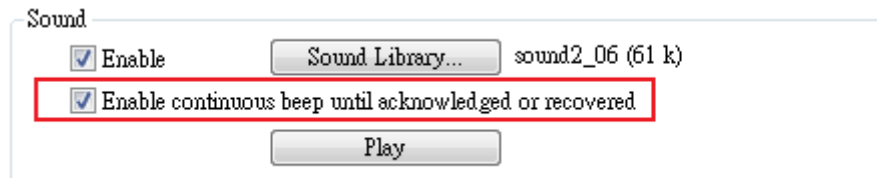
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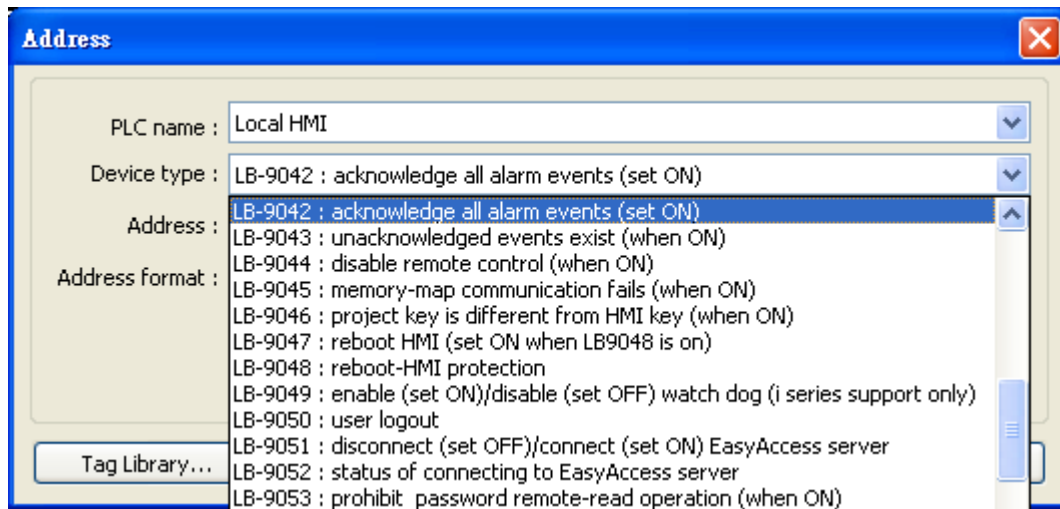
1. Overview and Operation

[Overview]

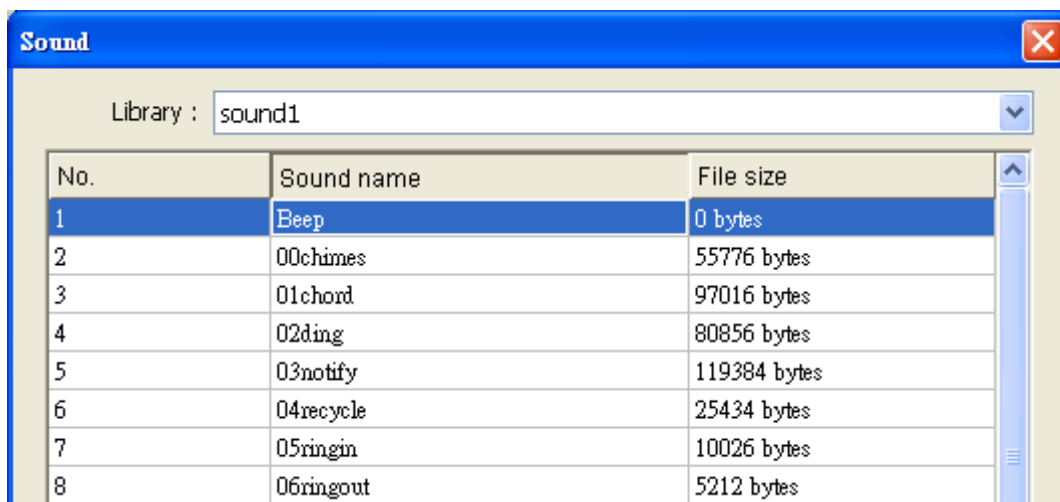
This Demo Project is demonstrating that for Event Log object, continuous beep can be set which will only stop when the event is acknowledged or recovered.



System register [LB-9042] can be set to acknowledge all alarm events at one time.

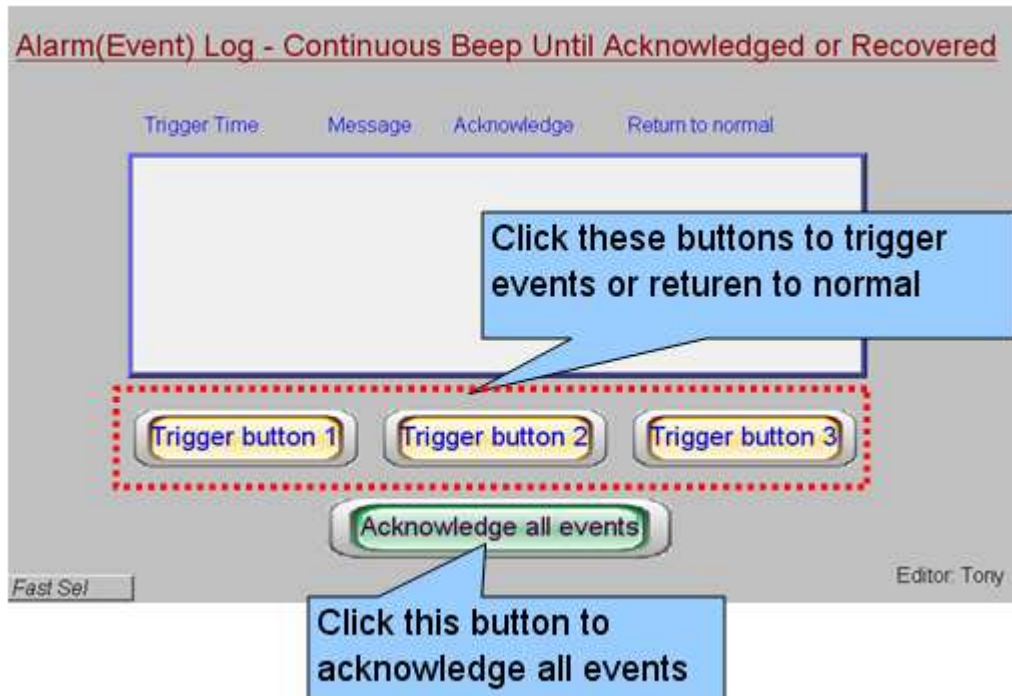


The system default [Beep] sound is used as this continuous beep.

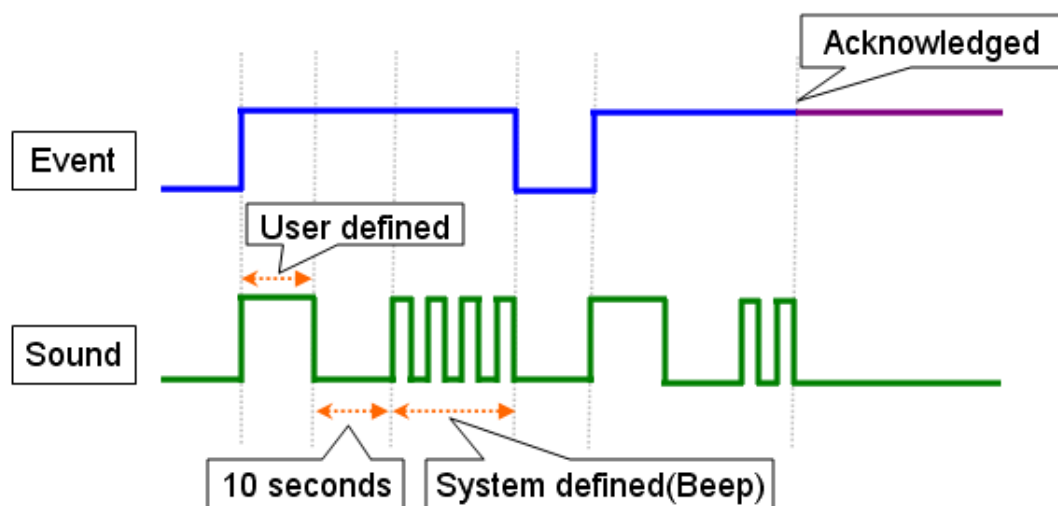


[Operation]

For triggering recovered and acknowledged events, please follow the illustration below.



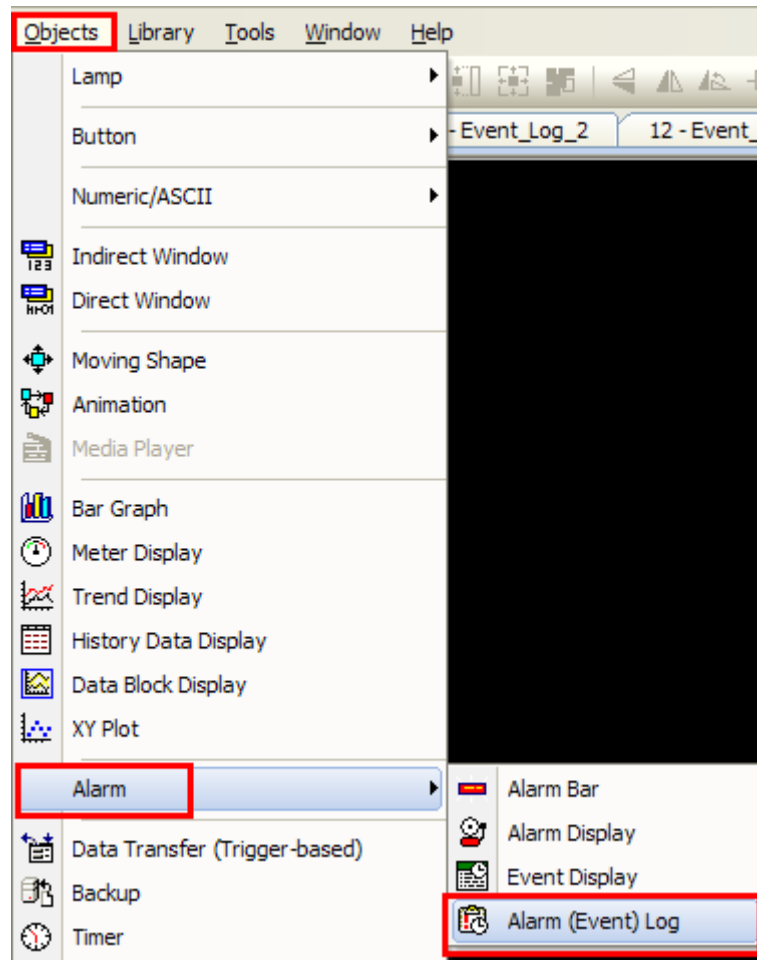
An illustration of how the beep is related to the event.




Setting Up the Screen


2-1 Setting the Event Log

Go to Objects/Alarm/Alarm (Event) Log



The Alarm (Event) Log table appears as below. This project is setting 3 events.

Alarm (Event) Log


Category : All [3]


No.	Category	Text	Mode	Condition	Read address	Notification address	Buzzer
1	0	Warning 1	BIT	ON	Local HMI : LB-0	Disable	Enable (continuous)
2	0	Warning 2	BIT	ON	Local HMI : LB-1	Disable	Enable (continuous)
3	0	Warning 3	BIT	ON	Local HMI : LB-2	Disable	Enable (continuous)

☐ Enable back light when alarm occurs

History files

☒ Save to HMI memory
☐ Save to SD card
☐ Save to USB 1
☐ Save to USB 2

☐ Preservation limit

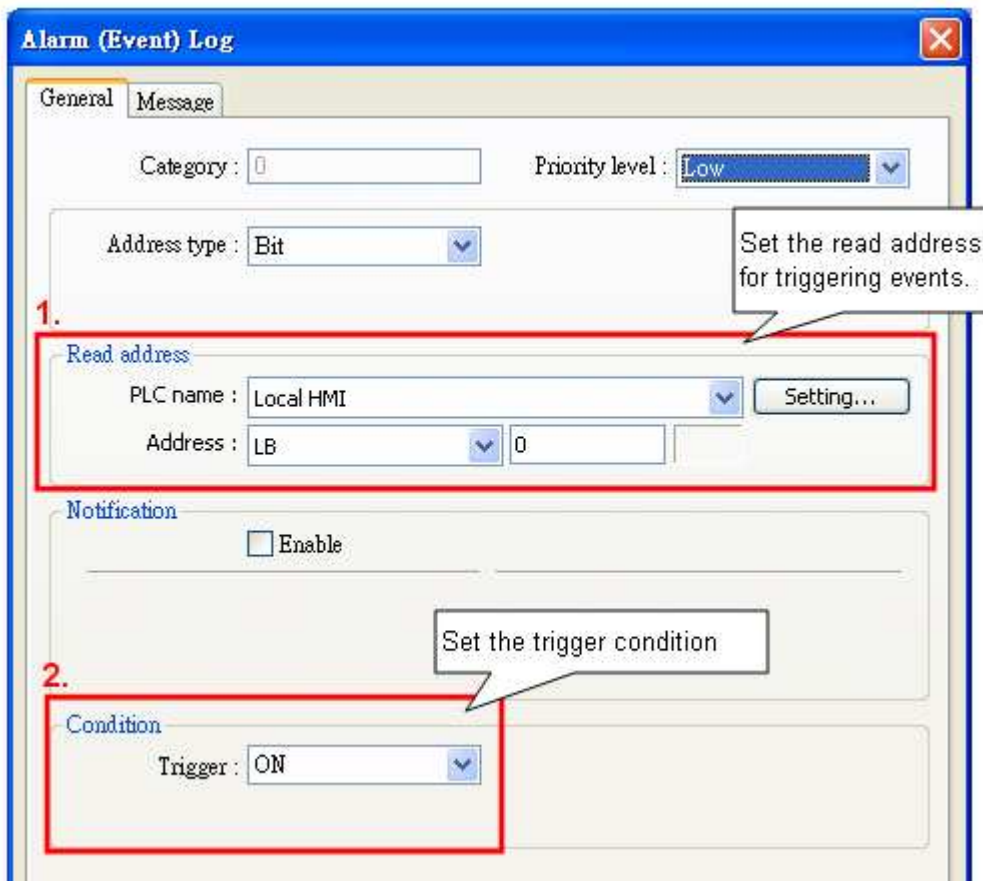
New...
Insert...
Delete
Settings...

Copy
Paste
Export...
Import...

Exit

Click [Settings] for viewing the settings of No.1.

- In the General page, set the [Read address] and [Trigger Condition].



Alarm (Event) Log

General Message

Category : 0 Priority level : Low

Address type : Bit

1. Read address

PLC name : Local HMI Address : LB 0

Setting...

Notification

☐ Enable

2. Condition

Trigger : ON

Set the read address for triggering events.

Set the trigger condition

- In the Message page, tick [Enable] for [Sound] and also [Enable continuous beep until acknowledged or recovered].



Alarm (Event) Log

General Message

Text

Content : Warning 1

Use label library Label Library...

Font : Arial Color : black

Write value for Event/Alarm Display object

Write value : 0

Sound

☒ Enable ☒ Enable continuous beep until acknowledged or recovered

Sound Library... 16winSpaceSysExit (252 k)

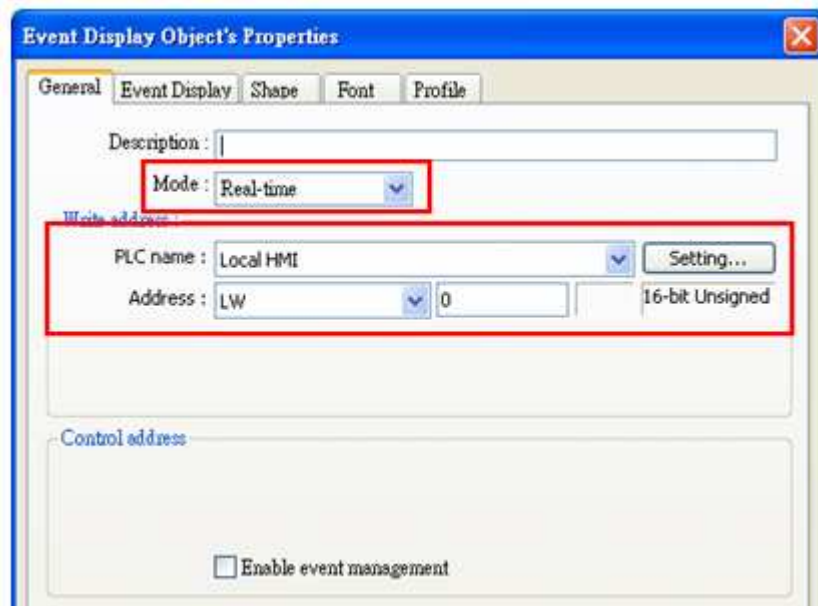
Play

Write the message in this area

Enable sound function and continuous beep until acknowledged or recovered

2-2 Settings of Event display object

● General page



Event Display Object's Properties

General | Event Display | Shape | Font | Profile

Description :

Mode : Real-time

Write address :

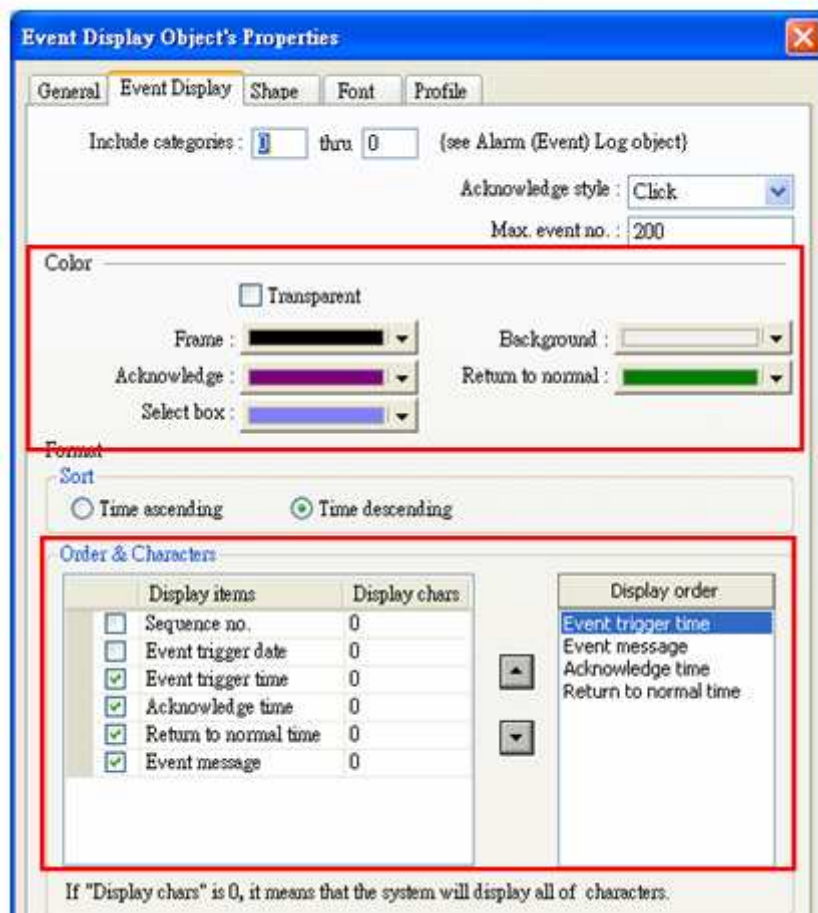
PLC name : Local HMI

Address : LW 0 16-bit Unsigned

Control address

☐ Enable event management

● Event Display page



Event Display Object's Properties

General | Event Display | Shape | Font | Profile

Include categories : 1 thru 0 (see Alarm (Event) Log object)

Acknowledge style : Click

Max. event no. : 200

Color

☐ Transparent

Frame :

Background :

Acknowledge :

Return to normal :

Select box :

Format

Sort

☐ Time ascending ☒ Time descending

Order & Characters

Display items	Display chars
<input type="checkbox"/> Sequence no.	0
<input type="checkbox"/> Event trigger date	0
<input checked="" type="checkbox"/> Event trigger time	0
<input checked="" type="checkbox"/> Acknowledge time	0
<input checked="" type="checkbox"/> Return to normal time	0
<input checked="" type="checkbox"/> Event message	0

Display order

- Event trigger time
- Event message
- Acknowledge time
- Return to normal time

If "Display chars" is 0, it means that the system will display all of characters.

2. Addresses

The addresses are set in this demo project following the table below. Please change these addresses according to your system.

Addresses		Object ID	Detail
Window 10			
Bit	LB0	TS_0	To trigger event no.1
	LB1	TS_2	To trigger event no.2
	LB2	TS_3	To trigger event no.3
	LB9042	TS_1	Acknowledge all events
Word	LW0	ED_0	Event display object
Alarm (Event) Log			
Bit	LB0		To trigger event no.1
	LB1		To trigger event no.2
	LB2		To trigger event no.3