



Programmable Terminal NA-series

# Practices Guide

## OMRON Standard IAG Library

NA5-15[ ]101[ ]  
NA5-12[ ]101[ ]  
NA5-9[ ]001[ ]  
NA5-7[ ]001[ ]

Practices  
Guide

## ■ Introduction

This guide provides reference information for the creation and use of IAG objects. It does not provide safety information.

Be sure to obtain the NA-series Programmable Terminal User's Manuals, read and understand the safety points and other information required for use, and test sufficiently before actually using the equipment.

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# 1 Related Manuals

The following manuals are related to this manual.

Cat. No.	Model	Manual name
V117	NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□	NA-series Programmable Terminal Hardware User's Manual
V118	NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□	NA-series Programmable Terminal Software User's Manual
V119	NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□	NA-series Programmable Terminal Device Connection User's Manual
V120	NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□	NA-series Programmable Terminal Startup Guide
W504	SYSMAC-SE2□□□	Sysmac Studio Version 1 Operation Manual

## 2 Precautions

- (1) When building an actual system, check the specifications of the component devices of the system, use within the ratings and specified performance, and implement safety measures such as safety circuits to minimize the possibility of an accident.
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Special information in this document is classified as follows:



### Precautions for Safe Use

Indicates precautions on what to do and what not to do to ensure safe usage of the product.



### Precautions for Correct Use

Indicates precautions on what to do and what not to do to ensure proper operation and performance.



### Additional Information

Additional information to read as required.

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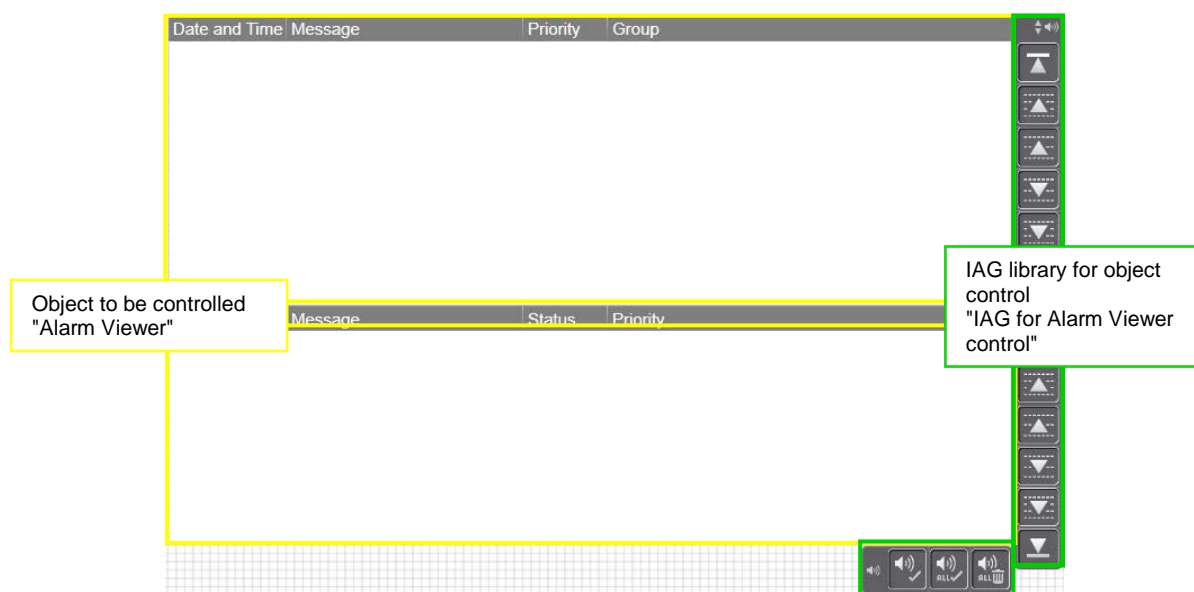
# 3 Introduction

## 3-1 Introduction

The NA series enables the creation and use of IAG objects that incorporate a Visual Basic program.

OMRON provides samples of frequently used objects as an IAG library.

As an example, when the alarm viewer is used as shown below, the IAG objects are arranged together with the viewer to allow operation of the viewer screen.



This guide describes the following functions and objects.

- Alarm/Alarm Viewer Objects
- Recipe/Recipe Viewer Objects
- Data Logging/Trend Graph Objects
- Broken-line Graph Objects
- Media Player Objects

This guide describes the following of the functions and objects listed above.

- List of the IAG objects that are provided by a library
- External specification for an individual IAG object
- Methods of importing and setting IAG library

### 3-2 Provided Files

The following files are provided.

Distribution Files (.iag)

- OmronStandardIAG\_114B\_E\_AlarmButtons.iag
- OmronStandardIAG\_114B\_E\_AlarmViewerButtons.iag
- OmronStandardIAG\_114B\_E\_DataLoggingButtons.iag
- OmronStandardIAG\_114B\_E\_MediaPlayerButtons.iag
- OmronStandardIAG\_114B\_E\_RecipeViewerButtons.iag
- OmronStandardIAG\_114B\_E\_ShowDocumentButtons.iag
- OmronStandardIAG\_114B\_E\_TrendGraphButtons.iag
- OmronStandardIAG\_114A\_E\_BrokenLineGraphButtons.iag

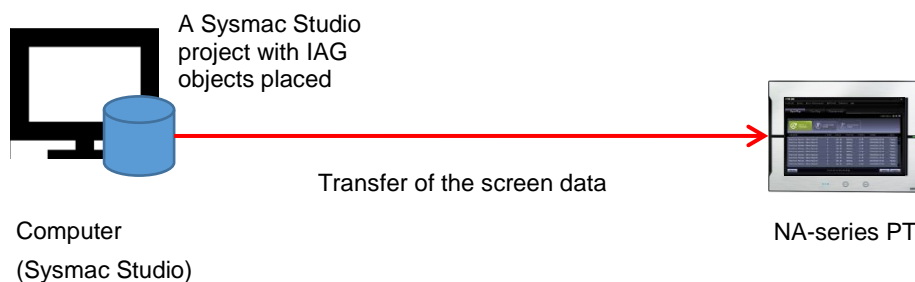
Project Files (.smc2)

- OmronStandardIAG\_114B\_E\_AlarmButtons.smc2
- OmronStandardIAG\_114B\_E\_AlarmViewerButtons.smc2
- OmronStandardIAG\_114B\_E\_DataLoggingButtons.smc2
- OmronStandardIAG\_114B\_E\_MediaPlayerButtons.smc2
- OmronStandardIAG\_114B\_E\_RecipeViewerButtons.smc2
- OmronStandardIAG\_114B\_E\_ShowDocumentButtons.smc2
- OmronStandardIAG\_114B\_E\_TrendGraphButtons.smc2
- OmronStandardIAG\_114A\_E\_BrokenLineGraphButtons.smc2

Ask your OMRON representative for information on how to obtain the files.

### 3-3 Configuration Units

OMRON implemented the operation check of the libraries using the following system configuration. The used versions of each library component are also provided.



Versions of library components used for the operation check are as follows.

- NA OS version : 4.2.1
- NA version : 1.03
- Sysmac Studio version : 1.14
- Project file version : 1.14※
- Distribution files version : 1.14※
- IAG library version : 1.14※

※Refer to Section 4 and Sections 6 to 14 in this document for the details on version of each file.



### Precautions for Correct Use

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The provided library is a sample, not an OMRON product. The library is out of OMRON quality assurance coverage.

Before using the library in actual operation, make sure it functions normally with your machine.

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# 4 Library Versions

This section describes types of IAG library versions appeared in this guide.

The following types of versions are to be managed in order to use the library.

Version type	Description	Version number confirmation method
Project file version	Assigns the version number of the project files that edits and manages the IAG library. Assigning this version number allows you to manage the records of library component additions and removals, and version updates in individual IAG libraries.	You can check and edit the number using the IAG project file edit function in the Sysmac Studio.
Distribution files version	Used for the same purpose as the project file version. Each distributed IAG file has a unique library version number.	You can check the number using "IAG Collections Manager" in the Sysmac Studio.
IAG library version	Assigns the version number to individual IAG library. Assigning this version number allows you to manage the records of IAG specification changes, bug removals, and other changes.	You can check and edit the number using the IAG project file edit function in the Sysmac Studio. You can also check the number as an IAG property item using "IAG Collections Manager". After placement of a library as an object, you can check the number from the "properties" of the object.
NA version	The version of the NA-series PT used for the IAG creation. Each version supports different functions. You cannot use the IAG objects with their version numbers indicated in the properties tables in sections 6 to 12 later than the version number of your PT.	You can check and edit the number using "Device Type" in the Sysmac Studio.
NA OS Version	Assigns the version number of the operation system that can operate the runtime of the NA-series PT. The supported operation system version depends on the runtime versions of the PT.	You can check the NA OS version number from NA System Menu. You can change the NA runtime version of the project using the Sysmac Studio if needed.

The versions of the IAG library described in this guide and the supported NA runtime/OS versions by the IAG library are as follows.






Version type	Version	Remarks
Project file version	Version 1.14	The project files have a file extension of smc2.
Distribution files version	Same as the IAG library version	The distribution files have a file extension of iag.
IAG library version	Version information is provided for each library.	Refer to "Property" in sections 6 to 12.
NA version	Version 1.03 or later	
NA OS Version	Version 4.2.1 or later	

# 5 Overview of IAG Objects

This section lists IAG objects used for each action.









- Alarm control IAG objects (sample)

IAG file name: "OmronStandardIAG\_114B\_E\_AlarmButtons.iag"

Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Clear Alarm Log [Clear_all_user_alarmlog]		Clears the alarm log in non-volatile memory.	Not supported.
Check Selected Alarm [Acknowledge_the_selected_alarm]		Checks the selected alarm.	
Check All Alarms [Acknowledge_all_user_alarms]		Checks all user alarms.	




- Alarm viewer control IAG objects (sample)

IAG file name: "OmronStandardIAG\_114B\_E\_AlarmViewerButtons.iag"

Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Scroll Up by Specified Number of Lines [Move_up_more_lines]		Scrolls up by the specified number of lines.	
Scroll Down by Specified Number of Lines [Move_down_more_lines]		Scrolls down by the specified number of lines.	
Scroll Up One Line [Move_up_1_line]		Scrolls up one line.	
Scroll Down One Line [Move_down_1_line]		Scrolls down one line.	

- Media Player control IAG objects (Sample)














IAG file name: "OmronStandardIAG\_114B\_E\_MediaPlayerButtons.iag"

Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Play [Play_movie]		Plays the video registered in the specified media player.	Not supported.
Pause [Pause_movie]		Pauses the video played by the specified media player.	Not supported.
Stop [Stop_movie]		Stops the video played by the specified media player or cancels the pause.	Not supported.

## 5.Overview of IAG Objects









### ● Recipe control IAG objects (sample)

IAG file name: "OmronStandardIAG\_114B\_E\_RecipeViewerButtons.iag"

Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Add Record [Add_recipe]		Adds a new recipe record with the specified record name to the last line of the recipe record list in volatile memory.	
Delete Record [Delete_recipe]		Deletes a specified recipe record from a specified recipe database file.	
Save in Database [Save_recipe]		Saves a specified recipe record that is in volatile memory in a specified recipe database file.	
Save As [Save_recipe_as]		Assigns a name to and saves (adds) the record selected in the recipe viewer to the recipe database.	Not supported.
Import Recipe from External Storage [Import_recipe]		Imports recipe files from external storage into volatile memory.	Not supported.
Export Recipe to External Storage [Export_recipe]		Exports recipe files from volatile memory to external storage	Not supported.
Write to Controller [Write_recipe_to_controller]		Loads the values in the recipe fields of the recipe records saved in volatile memory and saves the values in the controller variables assigned for a specified recipe template.	
Read from Controller [Read_recipe_from_controller]		Loads the values in the controller variables assigned for a specified recipe template and saves the values in the specified recipe record in volatile memory	

### ● Data logging control IAG objects (sample)

IAG file name: "OmronStandardIAG\_114B\_E\_DataLoggingButtons.iag"
















Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Stop Data Logging [Stop_data_logging]		Stops data logging to the specified data set.	
Start Data Logging [Start_data_logging]		Starts data logging of the specified data set.	
Clear Logged Data [Clear_datalog_buffer]		Deletes the logged data of the specified data set from non-volatile memory and clears the display.	
Write to File [Export_datalog_buffer]		Saves the data that is saved in non-volatile memory to a file in external storage.	



## 5. Overview of IAG Objects

- Trend graph control IAG objects (sample)













IAG file name: "OmronStandardIAG\_114B\_E\_TrendGraphButtons.iag"

Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Scroll Right [Trend_ScrollForward]		Scroll right the trend graph display by single page.	Not supported.
Scroll Left [Trend_ScrollBack]		Scroll left the trend graph display by single page.	Not supported.
Scroll to Start Position [Trend_ScrollStart]		Scrolls the trend graph back to the logging start position.	Not supported.
Scroll to End Position [Trend_ScrollEnd]		Scrolls the trend graph to the most recent logging data position.	Not supported.
Show/Hide Cursor [Trend_DisplayCursor]		Shows/hides the specified cursor.	Not supported.
Show/Hide Cursor 1 [Trend_DisplayCursor1]		Shows/hides cursor 1.	Not supported.
Show/Hide Cursor 2 [Trend_DisplayCursor2]		Shows/hides cursor 2.	Not supported.
Display Mode [Trend_DisplayModeChange]		Selects the display mode of the specified trend graph object (Analog graph / Digital graph / Both)	Not supported.
Show Analog [Set_trend_display_mode_analog]		Shows only the analog data of the specified trend graph object.	Not supported.
Show Digital [Set_trend_display_mode_digital]		Shows only the digital data of the specified trend graph object.	Not supported.
Show Both Analog/Digital Data [Set_trend_display_mode_both]		Shows both the digital and analog data of the specified trend graph object simultaneously.	Not supported.
Zoom-in [Zoom_into trend]		Magnifies the view of the specified trend graph, centered at the center of the display.	Not supported.
Zoom-out [Zoom_out_trend]		Reduces the view of the specified trend graph, centered at the center of the display.	Not supported.
Scroll Up [Trend_Scrollup]		Scrolls the specified trend graph one page up.	Not supported.
Scroll Down [Trend_Scrolldown]		Scrolls the specified trend graph one page down.	Not supported.

## 5. Overview of IAG Objects



### ● Broken-line graph control IAG objects (sample)

IAG file name: "OmronStandardIAG\_114A\_E\_BrokenLineGraphButtons.iag"

Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Scroll Right [Graph_ScrollRight]		Scroll right the broken-line graph display by single data.	Not supported.
Scroll Left [Graph_ScrollLeft]		Scroll left the broken-line graph display by single data.	Not supported.
Show/Hide Cursor [Graph_DisplayCursor]		Shows/hides the specified cursor.	Not supported.
Show/Hide Cursor 1 [Graph_DisplayCursor1]		Shows/hides cursor 1.	Not supported.
Show/Hide Cursor 2 [Graph_DisplayCursor2]		Shows/hides cursor 2.	Not supported.
Show/Hide Trace [Graph_TraceShowHide]		Shows/hides the specified trace.	Not supported.
Add Trace [Graph_AddTrace]		Adds a trace based on the file information in external memory.	Not supported.
Delete Trace [Graph_DeleteTrace]		Deletes the specified trace.	Not supported.
Zoom-in [Zoom_into_Graph]		Magnifies the view of the specified broken-line graph, centered at the center of the display.	Not supported.
Zoom-out [Zoom_out_of_Graph]		Reduces the view of the specified broken-line graph, centered at the center of the display.	Not supported.
Scroll Up [Graph_Scrollup]		Scrolls the specified broken-line graph up.	Not supported.
Scroll Down [Graph_Scrolldown]		Scrolls the specified broken-line graph down.	Not supported.

### ● Document Viewer control IAG objects (sample)

IAG file name: "OmronStandardIAG\_114B\_E\_ShowDocumentButtons.iag"


Item	Icon	Description	Reference: Icon appearance in the NS-series PT
Show Document [Show_document]		Displays a specified document at a specified size (length and width).	Not supported.
Show Document (Full Screen) [Show_document_full_screen]		Displays the specified document in full-screen mode.	Not supported.

### ● Compound IAG objects (sample)


## 5.Overview of IAG Objects

Combinations of multiple control objects (compound IAG objects) are also provided as a part of the sales promotion sample IAG library. These objects eliminate the needs of the property settings and simplify the controls of each function.


IAG file name: "OmronStandardIAG\_114B\_E\_AlarmButtons.iag"

Item	Icon	Description
Alarm control compound object [Alarm_composition_all]		[Clear Alarm Log] [Check Selected Alarm] [Check All Alarms] Compound IAG consisting of three objects.

IAG file name: "OmronStandardIAG\_114B\_E\_AlarmViewerButtons.iag"


Item	Icon	Description
Alarm viewer control compound object [Scroll_compsition_all]		[Return to Top] [Scroll Up by Specified Number of Lines] [Scroll Up One Line] [Scroll Down One Line] [Scroll down by the specified amount of lines] [Go to End] Compound IAG consisting of six objects.

IAG file name: " OmronStandardIAG\_114B\_E\_MediaPlayerButtons.iag"

Item	Icon	Description
Media Player Compound Object [Media_player_compotision__all]		[Stop] [Play] [Pause] Compound IAG consisting of three objects.

## 5. Overview of IAG Objects



IAG file name: "OmronStandardIAG\_114B\_E\_RecipeViewerButtons.iag"

Item	Icon	Description
Recipe control compound object [Recipe Composition]		[Add Record] [Save] [Save As] [Delete] [Import] [Export] [Read from Controller] [Write to Controller] Compound IAG consisting of eight objects.

IAG file name: "OmronStandardIAG\_114B\_E\_DataLoggingButtons.iag"



Item	Icon	Description
Data logging compound object [Datalog_composition]		[Start Data Logging] [Stop Data Logging] [Clear Logged Data] [Save logged data] Compound IAG consisting of four objects.

IAG file name: "OmronStandardIAG\_114B\_E\_TrendGraphButtons.iag"


Item	Icon	Description
Trend Graph Control (Horizontal Axis) Compound Object [Trend_graph_composition_all]		[Scroll to Start Position] [Scroll Left] [Scroll Right] [Scroll to End Position] [Show/Hide Cursor] [Display Mode] Compound IAG consisting of six objects.
Trend Graph Control (Vertical Axis) Compound Object [Trend_graph_composition2]		[Scroll Up] [Scroll Down] [Zoom-in] [Zoom-out] Compound IAG consisting of four objects.

## 5.Overview of IAG Objects

IAG file name:"OmronStandardIAG\_114A\_E\_BrokenLineGraphButtons.iag"

Item	Icon	Description
Broken Line Graph Control (Horizontal Axis) Compound Object [BrokenLine_graph_composition_all]		[Scroll Left] [Scroll Right] [Show/Hide Cursor] [Show/Hide Trace] [Add Trace] [Delete Trace] Compound IAG consisting of six objects.
Broken Line Graph Control (Vertical Axis) Compound Object [BrokenLine_graph_composition_all2]		[Scroll Up] [Scroll Down] [Zoom-in] [Zoom-out] Compound IAG consisting of four objects.



IAG file name: "OmronStandardIAG\_114B\_E\_ShowDocumentButtons.iag"

Item	Icon	Description
Document Viewer control compound objects [Document_viewer_composition_all]		[Show Document] [Show Document (Full Screen)] Compound IAG consisting of two objects.

# 6 IAG for Alarm Control

## 6-1 Clear Alarm Log

### ● External specification

<b>Object name</b>	Clear_all_user_alarmlog
<b>Category</b>	IAG_Alarm
<b>Description</b>	Clears the alarm log in non-volatile memory.
<b>Features</b>	Clears not only a single specific alarm, but also all the other alarm data saved in the NA-series PT.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Clear_all_user_alarmlog0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60

Properties screen

▼ General	
Name	Clear_all_user_alarmlog0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.



### Additional Information

This IAG does not have a "Behavior (Input)" property.

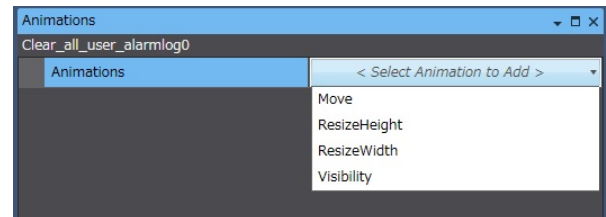
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 6-2 Check Selected Alarm

## ● External specification

<b>Object name</b>	Acknowledge_the_selected_alarm
<b>Category</b>	IAG_Alarm
<b>Description</b>	Checks the selected alarm.
<b>Features</b>	Checks the alarm selected in the alarm viewer specified by AlarmObjectName.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Acknowledge_the_selected_alarm0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2.	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjectName	Specifies the alarm viewer object name.	Direct input	Character string (String)*3	(Blank)

## Properties screen

▼ General	
Name	Acknowledge_the_selected_alarm0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
AlarmObjName	



- 
- \*1. "Transparent" indicates that the color is transparent.  
\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.  
\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

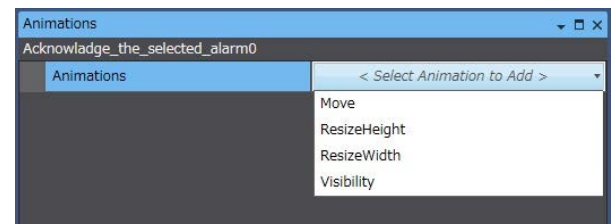
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 6-3 Check All Alarms

## ● External specification

<b>Object name</b>	Acknowledge_all_user_alarms
<b>Category</b>	IAG_Alarm
<b>Description</b>	Checks all alarms.
<b>Features</b>	Checks all NA unit alarms.
<b>Graphic expression</b>	 Not pressed:
	 Pressed:

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Acknowledge_all_user_alarms0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60

## Properties screen

▼ General	
Name	Acknowledge_all_user_alarms0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.



### Additional Information

This IAG does not have a "Behavior (Input)" property.

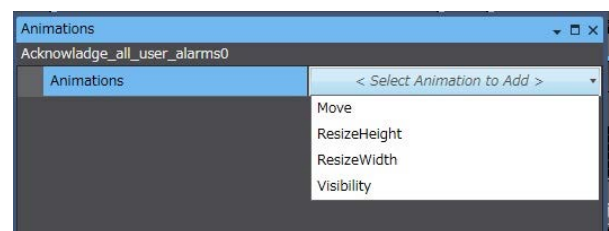
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.



For details, refer to "Animations".



# 7 Alarm Viewer Control IAG

## 7-1 Scroll Up by Specified Number of Lines

### ● External specification

<b>Object name</b>	Move_up_more_lines
<b>Category</b>	IAG_Alarm
<b>Description</b>	Scrolls up by the specified number of lines.
<b>Features</b>	Scrolls the alarm viewer specified in AlarmObjectName up by the number of lines specified in ViewerScrollAmount.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Move_up_more_lines0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)
ViewerScrollAmount	Specifies the number of alarm viewer scroll lines.	Direct input	Numerical (Integer)	(Blank)

#### Properties screen

## 7.Alarm Viewer Control IAG

▼ General	
Name	Move_up_more_lines0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
AlarmObjName	
ViewerScrollAmount	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

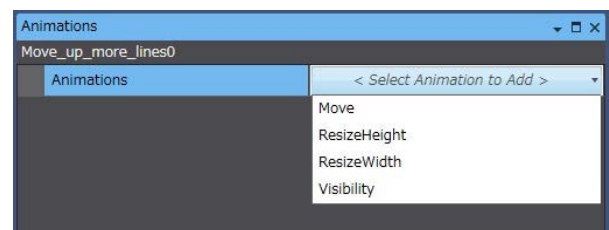
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 7-2 Scroll Down by Specified Number of Lines

#### ● External specification

<b>Object name</b>	Move_down_more_lines
<b>Category</b>	IAG_Alarm
<b>Description</b>	Scrolls down by the specified number of lines.
<b>Features</b>	Scrolls the alarm viewer specified in AlarmObjectName down by the number of lines specified in ViewerScrollAmount.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Move_down_more_lines0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)
ViewerScrollAmount	Specifies the number of alarm viewer scroll lines.	Direct input	Numerical (Integer)	(Blank)
Properties screen				

## 7.Alarm Viewer Control IAG

▼ General	
Name	Move_down_more_lines0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
AlarmObjName	
ViewerScrollAmount	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 7-3 Scroll Up One Line

#### ● External specification

<b>Object name</b>	Move_up_1_line
<b>Category</b>	IAG_Alarm
<b>Description</b>	Scrolls up one line.
<b>Features</b>	Scrolls the alarm viewer specified in AlarmObjectName up one line.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Move_up_1_line0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

NameMove\_up\_1\_line0
TypeIAG
Version1.14B
PublisherOmron

▼ Appearance

BackgroundColor
☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left0
Top0

▼ Size (Width,Height)

Width60
Height60

▼ Behavior (Input)

AlarmObjName



## 7.Alarm Viewer Control IAG

- 
- \*1. "Transparent" indicates that the color is transparent.  
\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.  
\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 7-4 Scroll Down One Line

#### ● External specification

<b>Object name</b>	Move_down_1_line
<b>Category</b>	IAG_Alarm
<b>Description</b>	Scrolls down one line.
<b>Features</b>	Scrolls the alarm viewer specified in AlarmObjectName down one line.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Move_down_1_line0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

NameMove\_down\_1\_line0
TypeIAG
Version1.14B
PublisherOmron

▼ Appearance

BackgroundColorTransparent

▼ Layout

▼ Position (Left,Top)

Left0
Top0

▼ Size (Width,Height)

Width60
Height60

▼ Behavior (Input)

AlarmObjName

## 7.Alarm Viewer Control IAG

- 
- \*1. "Transparent" indicates that the color is transparent.  
\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.  
\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

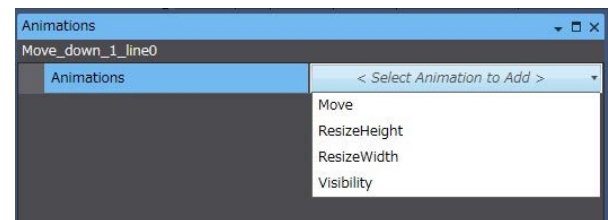
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 7-5 Return to Top

#### ● External specification

<b>Object name</b>	Return_to_the_top_of_Alarm_List
<b>Category</b>	IAG_Alarm
<b>Description</b>	Returns to the top of the alarm list.
<b>Features</b>	Included in alarm viewer control compound object [Scroll_compsition_all]. For details, refer to "13-2 Alarm Viewer Control Compound Object".
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	---
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 7.Alarm Viewer Control IAG

▼ General	
Name	Scroll_composition_all0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	66
Height	386
▼ Behavior (Input)	
AlarmObjName	
ViewerScrollAmount	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 7-6 Go to End

#### ● External specification

<b>Object name</b>	Go_to_the_end_of_Alarm_List
<b>Category</b>	IAG_Alarm
<b>Description</b>	Moves to the end of the alarm list.
<b>Features</b>	Included in alarm viewer control compound object [Scroll_compsition_all]. For details, refer to "13-2 Alarm Viewer Control Compound Object".
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	---
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
AlarmObjName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 7.Alarm Viewer Control IAG

▼ General	
Name	Scroll_composition_all0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	66, 386
Width	66
Height	386
▼ Behavior (Input)	
AlarmObjName	
ViewerScrollAmount	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

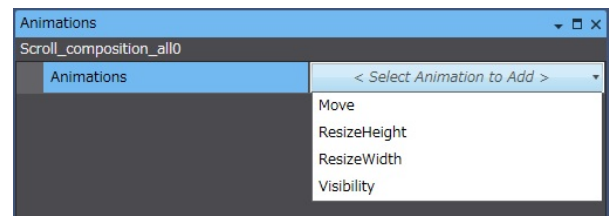
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.



For details, refer to "Animations".



# 8 Media Player Control IAG

## 8-1 Play

### ● External specification

<b>Object name</b>	Play_movie
<b>Category</b>	IAG_Movie
<b>Description</b>	Plays the video registered in the specified media player.
<b>Features</b>	Can also resume a video that was stopped or paused.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Play_movie0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
MovieObjName	Specifies the media player object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				



▼ General	
Name	Play_movie0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
MovieObjName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

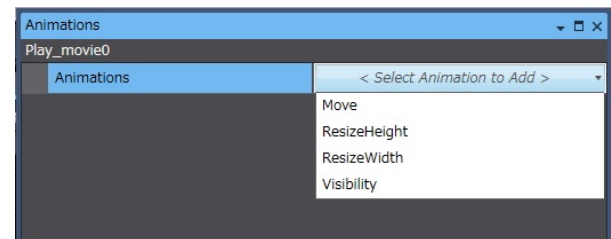
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 8-2 Pause

#### ● External specification

<b>Object name</b>	Pause_movie
<b>Category</b>	IAG_Movie
<b>Description</b>	Pauses the video played by the specified media player.
<b>Features</b>	Pauses the video played by the media player specified in "MovieObjName".
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Pause_movie0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
MovieObjName	Specifies the media player object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

NamePause\_movie0
TypeIAG
Version1.14B
PublisherOmron

▼ Appearance

BackgroundColor
☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left280
Top100

▼ Size (Width,Height)

Width60
Height60

▼ Behavior (Input)

MovieObjName

- 
- \*1. "Transparent" indicates that the color is transparent.  
\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.  
\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

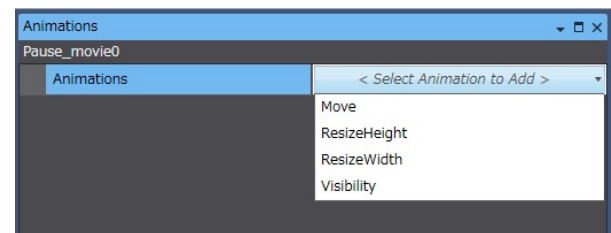
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 8-3 Stop

#### ● External specification

<b>Object name</b>	Stop_movie
<b>Category</b>	IAG_Movie
<b>Description</b>	Stops the video played by the specified media player or cancels the pause.
<b>Features</b>	Stops the video played by the media player specified in "MovieObjName". If replayed, playback starts from the beginning of the video.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Stop_movie0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
MovieObjName	Specifies the media player object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

Name
Stop\_movie0

Type
IAG

Version
1.14B

Publisher
Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left
0

Top
0

▼ Size (Width,Height)

Width
60

Height
60

▼ Behavior (Input)

MovieObjName

- 
- \*1. "Transparent" indicates that the color is transparent.  
\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.  
\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

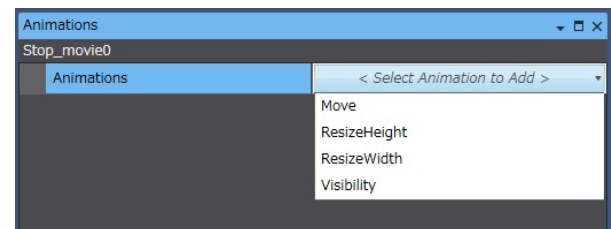
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.



For details, refer to "Animations".



# 9 Recipe Control IAG

## 9-1 Add Record

### ● External specification

<b>Object name</b>	Add_recipe
<b>Category</b>	IAG_Recipe
<b>Description</b>	Adds a new recipe record with the specified record name to the last line of the recipe record list in volatile memory.
<b>Features</b>	"Add" accesses the recipe record in volatile memory.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Add_recipe0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General	
Name	Add_recipe0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
RecipeObjName	
NewInstanceName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 9-2 Delete Record

#### ● External specification

<b>Object name</b>	Delete_recipe
<b>Category</b>	IAG_Recipe
<b>Description</b>	Deletes the recipe record selected in the recipe viewer from the recipe database file.
<b>Features</b>	"Delete" accesses the specified recipe database file in non-volatile memory.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p>
	<div>  </div> <p>Pressed:</p>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Delete_recipe0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

Name

Delete\_recipe0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

RecipeObjName



- 
- \*1. "Transparent" indicates that the color is transparent.
  - \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
  - \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

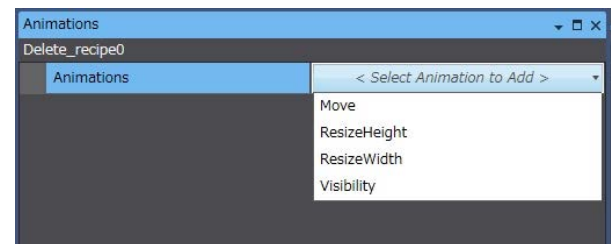
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 9-3 Save in Database

#### ● External specification

<b>Object name</b>	Save_recipe
<b>Category</b>	IAG_Recipe
<b>Description</b>	Saves the recipe record selected in the recipe viewer in the database.
<b>Features</b>	"Save" indicates the action of writing data from volatile memory to non-volatile memory.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Save_recipe0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General	
Name	Save_recipe0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
RecipeObjName	

- 
- \*1. "Transparent" indicates that the color is transparent.
  - \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
  - \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

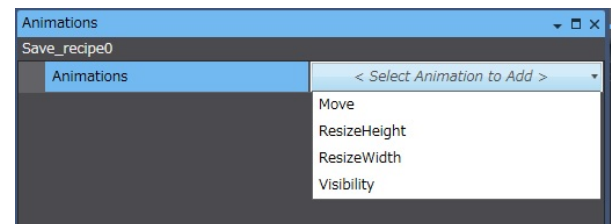
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 9-4 Save As

#### ● External specification

<b>Object name</b>	Save_recipe_as
<b>Category</b>	IAG_Recipe
<b>Description</b>	Assigns a name to and saves (adds) the record selected in the recipe viewer to the recipe database.
<b>Features</b>	"Save" indicates the action of writing data from volatile memory to non-volatile memory. The recipe with the new name is added to the last line of the recipe database file. The data in the saved (added) record is the same as the data in the selected record.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Save_recipe_as0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General	
Name	Save_recipe_as0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
RecipeObjName	
NewInstanceName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 9-5 Import Recipe from External Storage

## ● External specification

<b>Object name</b>	Import_recipe
<b>Category</b>	IAG_Recipe
<b>Description</b>	Imports a recipe file saved in external storage into non-volatile memory.
<b>Features</b>	"Import" indicates the action of writing data from external storage to non-volatile memory. All recipe records saved in the file in external storage are imported into the recipe record list in non-volatile memory.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Import_recipe0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* *2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)
PathAndFileName	Import file path and file name *4	Direct input	Character string (String) *3	(Blank)
Properties screen				

▼ General	
Name	Import_recipe0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
RecipeObjName	
PathAndFileName	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. The import file path and file name are as follows:  
Import file path\_SD card: \SDCard\Folder name\File name  
\_USB memory: \USBDisk\Folder name\File name  
Example: SDCard\Recipe0.csv: Imports from "Recipe.csv" file in root directory of SD card

### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



## 9-6 Export Recipe to External Storage

## ● External specification

<b>Object name</b>	Export_recipe
<b>Category</b>	IAG_Recipe
<b>Description</b>	Exports the recipe template data selected in the recipe viewer to external media.
<b>Features</b>	"Export" indicates the action of writing data from non-volatile memory to external storage. All recipe records in non-volatile memory are exported to the external storage file. Specify the export path and file name with the "PathAndFileName" property.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p> <div>  </div> <p>Pressed:</p>

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Export_recipe0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2.	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)
PathAndFileName	Specifies the export path and file name. *4	Direct input	Character string (String) *3	(Blank)
Properties screen				



## 9.Recipe Control IAG

▼ General	
Name	Export_recipe0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
RecipeObjName	
PathAndFileName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

\*4. The export file path and file name are as follows:

Export file path\_SD card: \SDCard\Folder name\File name

\_USB memory: \USBDrive\Folder name\File name

Example: SDCard\Recipe0.csv: Exports to "Recipe.csv" file in root directory of SD card

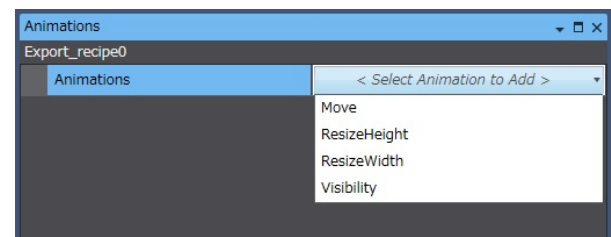
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



### 9-7 Write to Controller

#### ● External specification

<b>Object name</b>	Write_recipe_to_controller
<b>Category</b>	IAG_Recipe
<b>Description</b>	Writes the recipe data selected in the recipe viewer to the applicable variable.
<b>Features</b>	The variable name and controller written to are specified in the template.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Export_recipe0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3.	(Blank)

#### Properties screen

▼ General

NameWrite\_recipe\_to\_controller0
TypeIAG
Version1.14B
PublisherOmron

▼ Appearance

BackgroundColor☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left0
Top0

▼ Size (Width,Height)

Width60
Height60

▼ Behavior (Input)

RecipeObjName

- 
- \*1. "Transparent" indicates that the color is transparent.
  - \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
  - \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

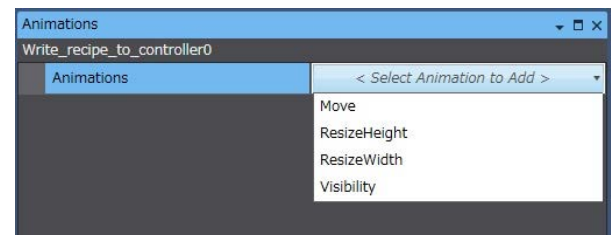
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 9-8 Read from Controller

#### ● External specification

<b>Object name</b>	Read_recipe_from_controller
<b>Category</b>	IAG_Recipe
<b>Description</b>	Reads the recipe data selected in the recipe viewer from the applicable variable.
<b>Features</b>	The variable name and controller read from are specified in the template.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Read_recipe_from_controller0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

Name

Read\_recipe\_from\_controller0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

RecipeObjName

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

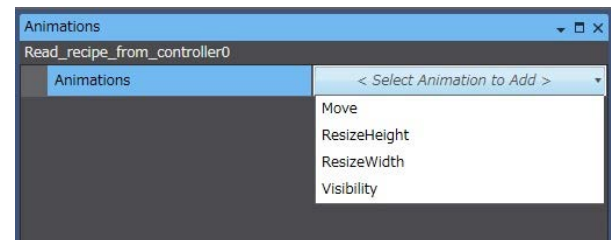
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.



For details, refer to "Animations".



# 10 Data Log Control IAG

## 10-1 Stop Data Logging

### ● External specification

<b>Object name</b>	Stop_data_logging
<b>Category</b>	IAG_Trend
<b>Description</b>	Stops data logging to the specified data set.
<b>Features</b>	Stops acquiring data and stops drawing the trend graph.
<b>Graphic expression</b>	<div>Not pressed: </div> <div>Pressed: </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Stop_data_logging0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
SelectDataSetName	Specifies the name of the data set for logging.	Direct input	Character string (String) *3	(Blank)
Properties screen				

▼ General	
Name	Stop_data_logging0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
SelectDataSetName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

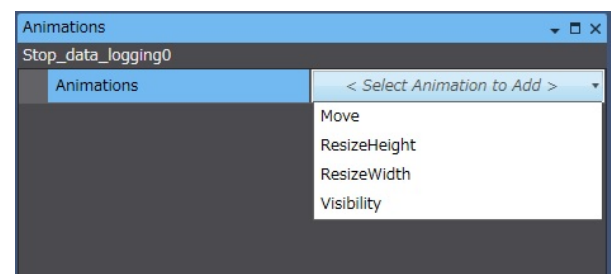
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 10-2 Start Data Logging

## ● External specification

<b>Object name</b>	Start_data_logging
<b>Category</b>	IAG_Trend
<b>Description</b>	Starts data logging of the specified data set.
<b>Features</b>	Starts acquiring data and starts drawing the trend graph.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Start_data_logging0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
SelectDataSetName	Specifies the name of the data set for logging.	Direct input	Character string (String) *3	(Blank)

## Properties screen

▼ General	
Name	Start_data_logging0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
SelectDataSetName	



\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

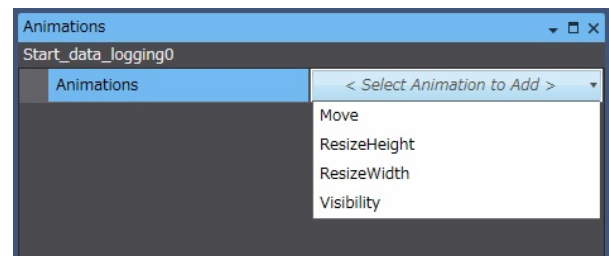
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 10-3 Clear Logged Data

## ● External specification

<b>Object name</b>	Clear_datalog_buffer
<b>Category</b>	IAG_Trend
<b>Description</b>	Deletes the logged data of the specified data set from non-volatile memory and clears the display.
<b>Features</b>	Deletes the logged data of the data set specified in SelectDataSetName. Logged data exported to a CSV file is not deleted.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Clear_datalog_buffer0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
SelectDataSetName	Specifies the name of the data set for logging.	Direct input	Character string (String) *3	(Blank)
Properties screen				

▼ General	
Name	Clear_datalog_buffer0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
SelectDataSetName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

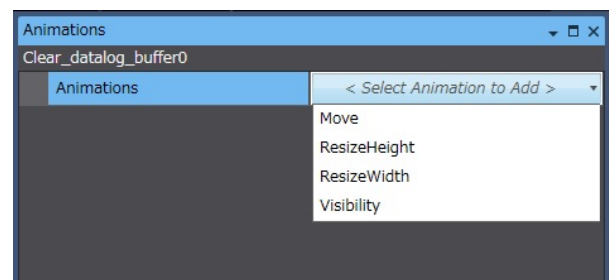
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 10-4 Write to File

## ● External specification

<b>Object name</b>	Export_datalog_buffer
<b>Category</b>	IAG_Trend
<b>Description</b>	Saves the data that is saved in non-volatile memory to a file in external storage.
<b>Features</b>	The location to which the file is exported is the location specified in the "Save to" setting of the data set.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Export_datalog_buffer0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
SelectDataSetName	Specifies the name of the data set for logging.	Direct input	Character string (String) *3	(Blank)

## Properties screen

▼ General

Name	Export_datalog_buffer0
Type	IAG
Version	1.14B
Publisher	Omron

▼ Appearance

BackgroundColor	<input type="checkbox"/> Transparent
-----------------	--------------------------------------

▼ Layout

▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60

▼ Behavior (Input)

SelectDataSetName	
-------------------	--

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

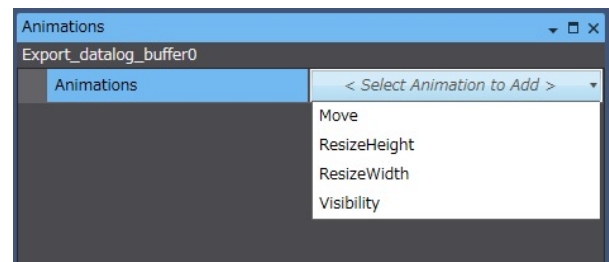
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.



For details, refer to "Animations".



# 11 Trend Graph Control IAG

## 11-1 Scroll Right

### ● External specification

<b>Object name</b>	Trend_ScrollForward
<b>Category</b>	IAG_Trend
<b>Description</b>	Scrolls the trend graph to the right (toward most recent data).
<b>Features</b>	Scrolls the trend graph specified in TrendObjName to the right.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_ScrollForward0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

▼ General	
Name	Trend_ScrollForward0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
TrendObjName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

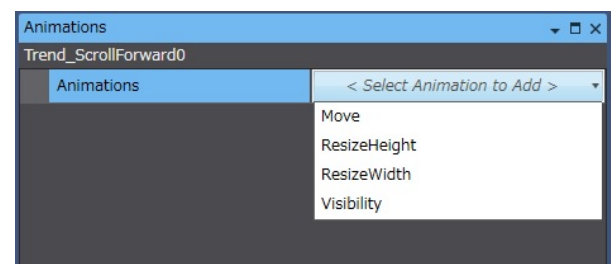
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-2 Scroll Left

### ● External specification

<b>Object name</b>	Trend_ScrollBack
<b>Category</b>	IAG_Trend
<b>Description</b>	Scrolls the trend graph to the left (toward oldest data).
<b>Features</b>	Scrolls the trend graph specified in TrendObjName to the left.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_ScrollBack0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)

### Properties screen

▼ General

Name

Trend\_ScrollBack0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

TrendObjName



\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

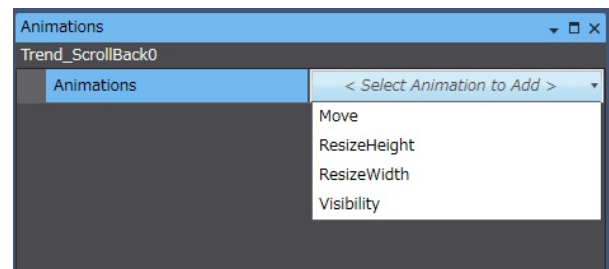
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-3 Scroll to Start Position

### ● External specification

<b>Object name</b>	Trend_ScrollStart
<b>Category</b>	IAG_Trend
<b>Description</b>	Scrolls the trend graph back to the logging start position.
<b>Features</b>	Scrolls the trend graph specified in TrendObjName to the logging start position.
<b>Graphic expression</b>	<div>Not pressed: </div> <div>Pressed: </div>

### ● Properties

Property	Description	Input method	Range	Default
<b>General</b>				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_scrollStart0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
<b>Appearance</b>				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
<b>Layout</b>				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
<b>Behavior (Input)</b>				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)

### Properties screen

▼ General

Name

Trend\_ScrollStart0

Type

IAG

Version

1.14A

Publisher

Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

TrendObjName

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

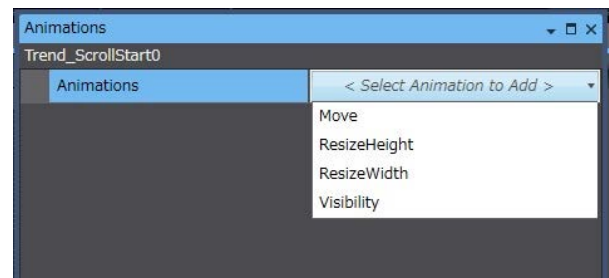
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-4 Scroll to End Position

### ● External specification

<b>Object name</b>	Trend_ScrollEnd
<b>Category</b>	IAG_Trend
<b>Description</b>	Scrolls the trend graph to the most recent logging data position.
<b>Features</b>	Scrolls the trend graph specified in TrendObjName to the most recent logging position.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_ScrollEnd0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

Name

Trend\_ScrollEnd0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

TrendObjName

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

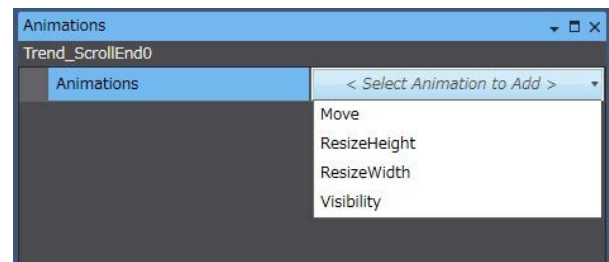
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 11-5 Show/Hide Cursor

#### ● External specification

<b>Object name</b>	Trend_DisplayCursor
<b>Category</b>	IAG_Trend
<b>Description</b>	Shows/hides the specified cursor.
<b>Features</b>	Shows the cursor specified in the properties.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_DisplayCursor0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
CursorNo	Specified show/hide cursor number *4	Direct input	Numerical (Integer)	(Blank)
CursorVisible	Specifies cursor show/hide *5	Direct input	Numerical (Boolean)	(Blank)
Properties screen				

## 11.Trend Graph Control IAG

▼ General	
Name	Trend_DisplayCursor0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
TrendObjName	
CursorNo	
CursorVisible	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. Select 1, 2, or 3
  - 1: Show Cursor 1 only
  - 2: Show Cursor 2 only
  - 3: Show both Cursor 1 and Cursor 2
- \*5. Specify a Boolean variable.  
When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.  
"0" or "1" can be entered instead of "True" or "False".  
"0" is the equivalent of "False", and "1" is the equivalent of "True".

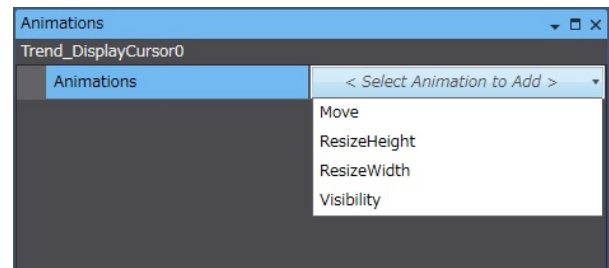
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-6 Show/Hide Cursor 1

### ● External specification

<b>Object name</b>	Trend_DisplayCursor1
<b>Category</b>	IAG_Trend
<b>Description</b>	Shows/hides cursor 1.
<b>Features</b>	The specified cursor is fixed at Cursor 1.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_DisplayCursor10
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
CursorVisible	Specifies cursor show/hide *4	Direct input	Numerical (Boolean)	(Blank)
Properties screen				



## 11.Trend Graph Control IAG

<b>General</b>	
Name	Trend_DisplayCursor10
Type	IAG
Version	1.14B
Publisher	Omron
<b>Appearance</b>	
BackgroundColor	<input type="checkbox"/> Transparent
<b>Layout</b>	
<b>Position (Left,Top)</b>	
Left	0
Top	0
<b>Size (Width,Height)</b>	
Width	60
Height	60
<b>Behavior (Input)</b>	
TrendObjName	
CursorVisible	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. Specify a Boolean variable.  
When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.  
"0" or "1" can be entered instead of "True" or "False".  
"0" is the equivalent of "False", and "1" is the equivalent of "True".

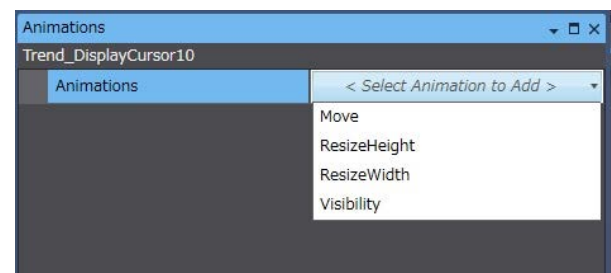
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-7 Show/Hide Cursor 2

### ● External specification

<b>Object name</b>	Trend_DisplayCursor2
<b>Category</b>	IAG_Trend
<b>Description</b>	Shows/hides cursor 2.
<b>Features</b>	The specified cursor is fixed at Cursor 2.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_DisplayCursor20
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
CursorVisible	Specifies cursor show/hide *4	Direct input	Numerical (Boolean)	(Blank)
Properties screen				

▼ General	
Name	Trend_DisplayCursor20
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
TrendObjName	
CursorVisible	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. Specify a Boolean variable.  
When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.  
"0" or "1" can be entered instead of "True" or "False".  
"0" is the equivalent of "False", and "1" is the equivalent of "True".

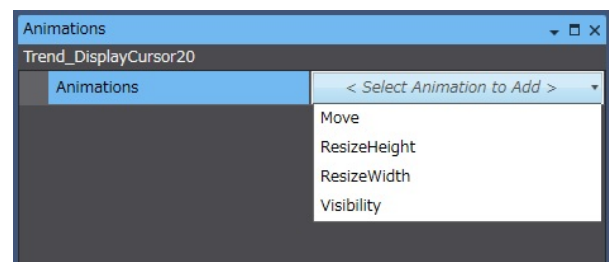
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-8 Display Mode

### ● External specification

<b>Object name</b>	Trend_DisplayModeChange
<b>Category</b>	IAG_Trend
<b>Description</b>	Selects the display mode of the specified trend graph object (Analog graph / Digital graph / Both)
<b>Features</b>	Selects the display mode of the trend graph specified in TrendObjName.
<b>Graphic expression</b>	Not pressed 
	Pressed 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_DisplayModeChange0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
DisplayMode	Specifies the trend graph display mode *4	Direct input	Numerical (Integer)	(Blank)
Properties screen				

## 11.Trend Graph Control IAG

▼ General	
Name	Trend_DisplayModeChange0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
TrendObjName	
DisplayMode	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. Specify an Integer variable. Enter one of the values below to select the display mode.  
Select 0, 1, or 2  
0: Analog only  
1: Digital only  
2: Both

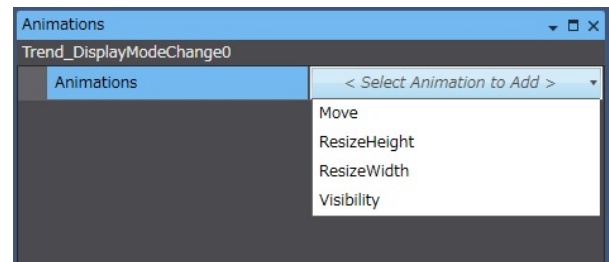
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-9 Show Analog

### ● External specification

<b>Object name</b>	set_trend_display_mode_analog
<b>Category</b>	IAG_Trend
<b>Description</b>	Shows only the analog data of the specified trend graph object.
<b>Features</b>	Shows only the analog (numerical) data of the trend graph specified in TrendObjName.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	set_trend_display_mode_analog0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)

### Properties screen

▼ General

Name

Set\_trend\_display\_mode\_analog0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

TrendObjName

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

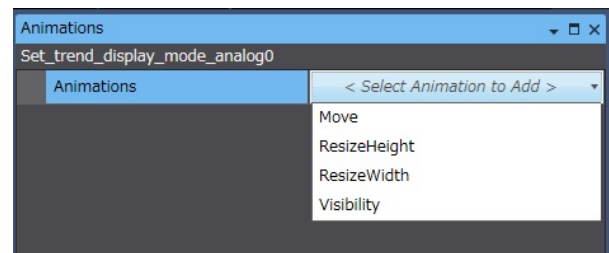
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-10 Show Digital

### ● External specification

<b>Object name</b>	set_trend_display_mode_digital
<b>Category</b>	IAG_Trend
<b>Description</b>	Shows only the digital data of the specified trend graph object.
<b>Features</b>	Shows only the digital (Boolean) data of the trend graph specified in TrendObjName.
<b>Graphic expression</b>	<div> <div>Not pressed:</div>  </div> <div> <div>Pressed:</div>  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	set_trend_display_mode_digital0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)

### Properties screen

▼ General

Name

Set\_trend\_display\_mode\_digital0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

TrendObjName



\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

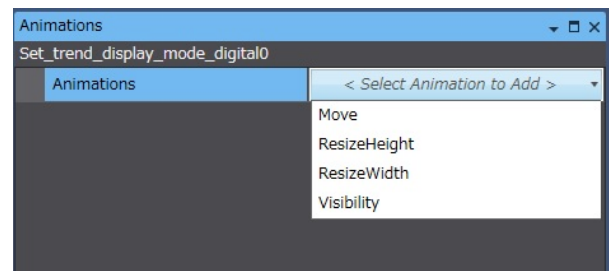
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 11-11 Show Both Analog and Digital

#### ● External specification

<b>Object name</b>	set_trend_display_mode_both
<b>Category</b>	IAG_Trend
<b>Description</b>	Selects the display mode of the trend graph.
<b>Features</b>	Shows both the analog graph and the digital graph.
<b>Graphic expression</b>	Not pressed 
	Pressed 

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	set_trend_display_mode_both0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

▼ General	
Name	Set_trend_display_mode_both0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
TrendObjName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

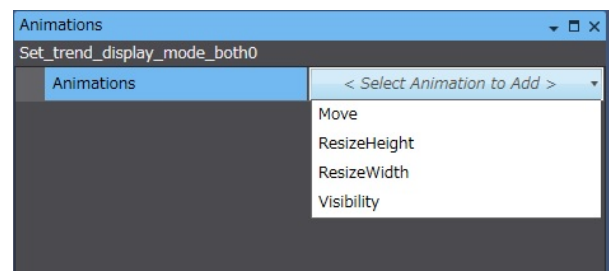
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-12 Zoom-in

### ● External specification

<b>Object name</b>	zoom_into_trend
<b>Category</b>	IAG_Trend
<b>Description</b>	Magnifies the view of the specified trend graph, centered at the center of the display.
<b>Features</b>	Only effective for trend graph objects. The zoom-in direction can be specified in the properties. (X-axis only, Y-axis only, Both X- and Y- axes)
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	zoom_into_trend0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String)*3	(Blank)
ZoomTarget	Specifies the zoom-in direction *4	Direct input	Numerical (Integer)	(Blank)

#### Properties screen

General

Name

zoom\_into\_trend0

Type

IAG

Version

1.14B

Publisher

Omron

Appearance

BackgroundColor

☐ Transparent

Layout

Position (Left,Top)

0, 0

Left

0

Top

0

Size (Width,Height)

60, 60

Width

60

Height

60

Behavior (Input)

TrendObjName

ZoomTarget

## 11.Trend Graph Control IAG

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- \*1. "Transparent" indicates that the color is transparent.
  - \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
  - \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
  - \*4. Specify an Integer variable. Enter one of the values below to select the zoom-in setting.  
Select 0, 1, or 2  
0: Both    Zoom-in both X- and Y-axes  
1: X-axis    Zoom-in X-axis  
2: Y-axis    Zoom-in Y-axis
- 

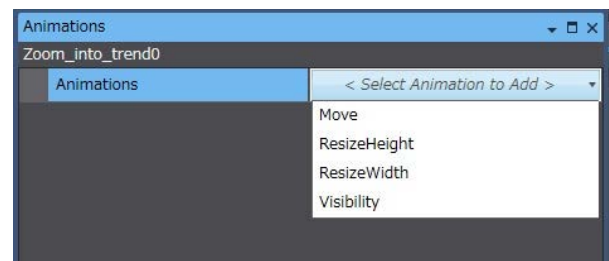
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-13 Zoom-out

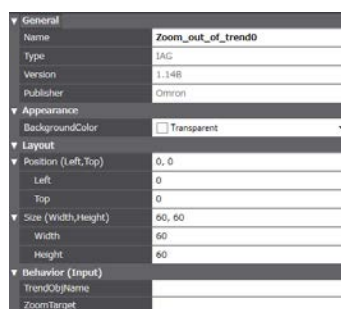
### ● External specification

<b>Object name</b>	zoom_out_trend
<b>Category</b>	IAG_Trend
<b>Description</b>	Reduces the view of the specified trend graph, centered at the center of the display.
<b>Features</b>	Only effective for trend graph objects. The zoom-out direction can be specified in the properties. (X-axis only, Y-axis only, Both X- and Y- axes)
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	zoom_out_of_trend0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String)3	(Blank)
ZoomTarget	Specifies the zoom-out direction *4	Direct input	Numerical (Integer)	(Blank)

#### Properties screen



The screenshot shows the 'Properties screen' for the object 'zoom\_out\_trend0'. The screen is organized into several sections:

- General:** Name (zoom\_out\_of\_trend0), Type (IAG), Version (1.14B), Publisher (Omron).
- Appearance:** BackgroundColor (Transparent).
- Layout:**
  - Position (Left, Top):** Left (0), Top (0).
  - Size (Width, Height):** Width (60), Height (60).
- Behavior (Input):** TrendObjName, ZoomTarget.

## 11.Trend Graph Control IAG

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- \*1. "Transparent" indicates that the color is transparent.
  - \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
  - \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
  - \*4. Specify an Integer variable. Enter one of the values below to select the zoom-out setting.  
Select 0, 1, or 2  
0: Both    Zoom-out both X- and Y-axes  
1: X-axis    Zoom-out X-axis  
2: Y-axis    Zoom-out Y-axis
- 

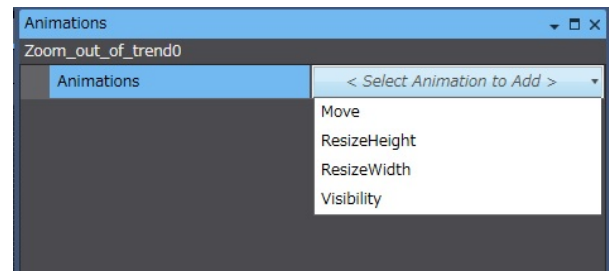
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-14 Scroll Up

### ● External specification

<b>Object name</b>	Trend_Scrollup
<b>Category</b>	IAG_Trend
<b>Description</b>	Scrolls the specified trend graph one page up.
<b>Features</b>	Only effective when the view is magnified.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_Scrollup0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String)*3	(Blank)

#### Properties screen

General

Name

Trend\_Scrollup0

Type

IAG

Version

1.14B

Publisher

Omron

Appearance

BackgroundColor

Transparent

Layout

Position (Left,Top)

0, 0

Left

0

Top

0

Size (Width,Height)

60, 60

Width

60

Height

60

Behavior (Input)

TrendObjName



\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

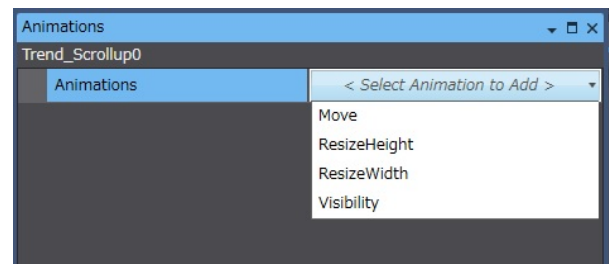
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



## 11-15 Scroll Down

### ● External specification

<b>Object name</b>	Trend_Scrolldown
<b>Category</b>	IAG_Trend
<b>Description</b>	Scrolls the specified trend graph one page down.
<b>Features</b>	Only effective when the view is magnified.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_Scrolldown0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String)*3	(Blank)

### Properties screen

▼ General

Name

Trend\_Scrolldown0

Type

IAG

Version

1.14B

Publisher

Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left

0

Top

0

▼ Size (Width,Height)

Width

60

Height

60

▼ Behavior (Input)

TrendObjName

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

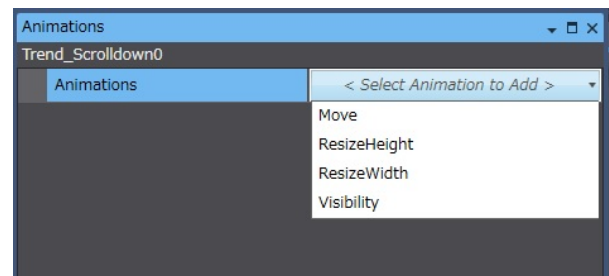
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.



For details, refer to "Animations".



# 12 Broken Line Graph Control IAG

## 12-1 Scroll Right

### ● External specification

<b>Object name</b>	Graph_ScrollRight
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Scroll right the broken-line graph display by single data.
<b>Features</b>	Scrolls the broken line graph specified in GraphObjName to the right.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_ScrollRight0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_ScrollRight0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
Position (Left,Top)	0, 0
Left	0
Top	0
Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

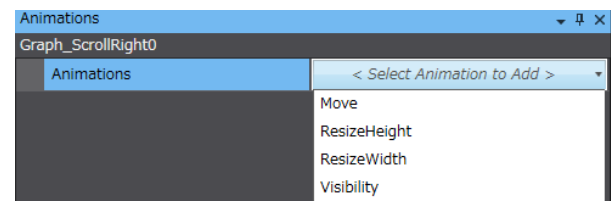
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-2 Scroll Left

#### ● External specification

<b>Object name</b>	Graph_ScrollLeft
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Scroll left the broken-line graph display by single data.
<b>Features</b>	Scrolls the broken line graph specified in GraphObjName to the left.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_ScrollLeft0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_ScrollLeft0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks "".

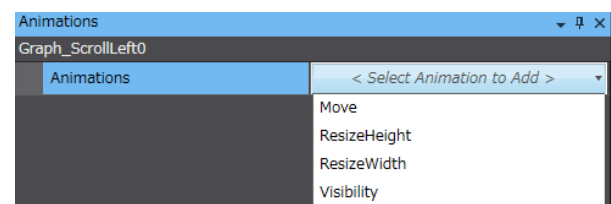
- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-3 Show/Hide Cursor

#### ● External specification

<b>Object name</b>	Graph_DisplayCursor
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Shows/hides the specified cursor.
<b>Features</b>	Shows the cursor specified in the properties.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p> <div>  </div> <p>Pressed:</p>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_DisplayCursor0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
CursorNo	Specified show/hide cursor number. *4	Direct input	Numerical (Integer)	(Blank)
CursorVisible	Specifies cursor show/hide. *5	Direct input	Numerical (Boolean)	(Blank)
Properties screen				



## 12. Broken Line Graph Control IAG

▼ General	
Name	Graph_DisplayCursor0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
CursorNo	
CursorVisible	

- \*1. "Transparent" indicates that the colour is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".
- \*4. Select 1 or 2
  - 1: Show Cursor 1 only
  - 2: Show Cursor 2 only
- \*5. Specify a Boolean variable.  
When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.  
"0" or "1" can be entered instead of "True" or "False".  
"0" is the equivalent of "False", and "1" is the equivalent of "True".

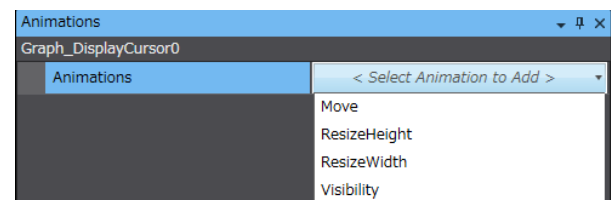
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-4 Show/Hide Cursor 1

#### ● External specification

<b>Object name</b>	Graph_DisplayCursor1
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Shows/hides cursor 1.
<b>Features</b>	The specified cursor is fixed at Cursor 1.
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_DisplayCursor10
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
CursorVisible	Specifies cursor show/hide. *4	Direct input	Numerical (Boolean)	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_DisplayCursor10
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
CursorVisible	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

\*4. Specify a Boolean variable.

When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.

"0" or "1" can be entered instead of "True" or "False".

"0" is the equivalent of "False", and "1" is the equivalent of "True".

### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".

Animations	
Graph_DisplayCursor10	
Animations	< Select Animation to Add > ▼
	Move
	ResizeHeight
	ResizeWidth
	Visibility

### 12-5 Show/Hide Cursor 2

#### ● External specification

<b>Object name</b>	Graph_DisplayCursor2
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Shows/hides cursor 2.
<b>Features</b>	The specified cursor is fixed at Cursor 2.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_DisplayCursor2 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
CursorVisible	Specifies cursor show/hide. *4	Direct input	Numerical (Boolean)	(Blank)
Properties screen				

## 12. Broken Line Graph Control IAG

▼ General	
Name	Graph_DisplayCursor20
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
CursorVisible	

- \*1. "Transparent" indicates that the colour is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".
- \*4. Specify a Boolean variable.  
When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.  
"0" or "1" can be entered instead of "True" or "False".  
"0" is the equivalent of "False", and "1" is the equivalent of "True".

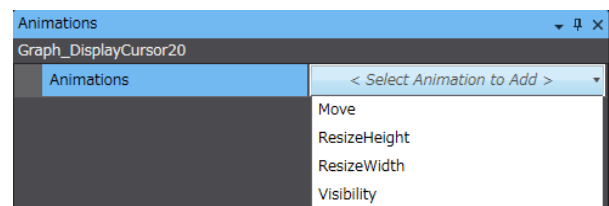
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-6 Show/Hide Trace

#### ● External specification

<b>Object name</b>	Graph_TraceShowHide
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Shows/hides the specified trace.
<b>Features</b>	Shows the trace specified in the properties.
<b>Graphic expression</b>	<div> Show  </div>
	<div> Hide  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_TraceShowHide 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
GraphTraceName	Specifies the trace name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_TraceShowHide0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
GraphTraceName	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".

Animations	
Graph_TraceShowHide0	
Animations	< Select Animation to Add >
	Move
	ResizeHeight
	ResizeWidth
	Visibility

### 12-7 Add Trace

#### ● External specification

<b>Object name</b>	Graph_AddTrace
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Adds a trace based on the file information in external memory.
<b>Features</b>	
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_AddTrace 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
GraphTraceName	Specifies the trace name.	Direct input	Character string (String) *3	(Blank)
Device_Type	Specifies the location to save the file to be displayed. *4	Direct input	Numerical (Boolean)	(Blank)
File_Name	Specifies the name of file to be displayed.	Direct input	Character string (String) *3	(Blank)
Row_Number	Specifies the row to start the file processing.	Direct input	Numerical (Integer)	(Blank)
Column_Number	Specifies the column to start the file processing.	Direct input	Numerical (Integer)	(Blank)
Marker_Visible	Specifies show/hide marker. *5	Direct input	Numerical (Boolean)	(Blank)
Properties screen				



## 12. Broken Line Graph Control IAG

▼ General	
Name	Graph_AddTrace0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
GraphTraceName	
Device_Type	
File_Name	
Row_Number	
Column_Number	
Marker_Visible	

- \*1. "Transparent" indicates that the colour is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".
- \*4. Specify a Boolean variable.  
When the Boolean variable is "True", the file is saved to SD card. When "False", saved to USB memory.  
"0" or "1" can be entered instead of "True" or "False".  
"0" is the equivalent of "False", and "1" is the equivalent of "True".
- \*5. Specify a Boolean variable.  
When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.

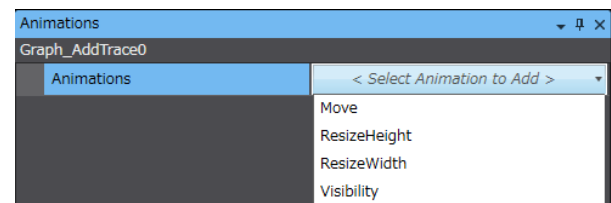
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-8 Delete Trace

#### ● External specification

<b>Object name</b>	Graph_DeleteTrace
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Deletes the specified trace.
<b>Features</b>	Deletes the trace specified in the properties. Possible to delete the trace but only for the one newly added after the NA startup.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p> <div>  </div> <p>Pressed:</p>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_DeleteTrace 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
TrendObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
GraphTraceName	Specifies the trace name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_DeleteTrace0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
GraphTraceName	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".

Animations	
Graph_DeleteTrace0	
Animations	< Select Animation to Add > ▼
	Move
	ResizeHeight
	ResizeWidth
	Visibility

## 12-9 Zoom-in

## ● External specification

<b>Object name</b>	Zoom_into_Graph
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Magnifies the view of the specified broken-line graph, centered at the center of the display.
<b>Features</b>	Only effective for broken line graph objects. The zoom-in direction can be specified in the properties. (X-axis only, Y-axis only, Both X- and Y- axes)
<b>Graphic expression</b>	Not pressed: 
	Pressed: 

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Zoom_into_Graph 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
ZoomTarget	Specifies the zoom-in direction. *4	Direct input	Numerical (Integer)	(Blank)
<b>Properties screen</b>				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Zoom_into_Graph0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
ZoomTarget	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

\*4. Specify an Integer variable. Enter one of the values below to select the zoom-in setting.

Select 0, 1, or 2

0:Both      Zoom-in both X- and Y-axes

1:Horizontal      Zoom-in X-axis

2:Vertical      Zoom-in Y-axis

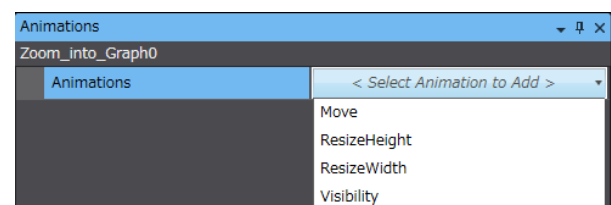
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-10 Zoom-out

#### ● External specification

<b>Object name</b>	Zoom_out_of_Graph
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Reduces the view of the specified broken-line graph, centered at the center of the display.
<b>Features</b>	Only effective for broken line graph objects. The zoom-out direction can be specified in the properties. (X-axis only, Y-axis only, Both X- and Y- axes)
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Zoom_out_of_Graph 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) 3	(Blank)
ZoomTarget	Specifies the zoom-out direction. *4	Direct input	Numerical (Integer)	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Zoom_out_of_Graph0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	
ZoomTarget	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

\*4.. Specify an Integer variable. Enter one of the values below to select the zoom-out setting.

Select 0, 1, or 2

0:Both      Zoom-out both X- and Y-axes

1:Horizontal      Zoom-out X-axis

2:Vertical      Zoom-out Y-axis

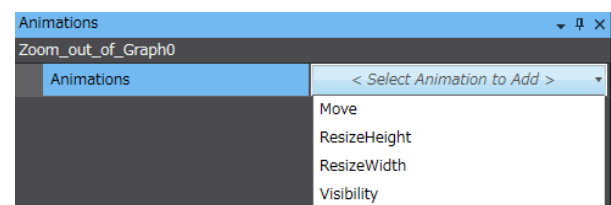
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



### 12-11 Scroll Up

#### ● External specification

<b>Object name</b>	Graph_Scrollup
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Scrolls the specified broken-line graph up.
<b>Features</b>	Only effective when the view is magnified.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_Scrollup 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				



## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_Scrollup0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation



You can define the basic animation action.

For details, refer to "Animations".

Animations	
Graph_Scrollup0	
Animations	< Select Animation to Add > ▼
	Move
	ResizeHeight
	ResizeWidth
	Visibility

### 12-12 Scroll Down

#### ● External specification

<b>Object name</b>	Graph_Scrolldown
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	Scrolls the specified broken-line graph down.
<b>Features</b>	Only effective when the view is magnified.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Graph_Scrolldown 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼Size(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60,60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				

## 12.Broken Line Graph Control IAG

▼ General	
Name	Graph_Scrolldown0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	60
Height	60
▼ Behavior (Input)	
GraphObjName	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " " .

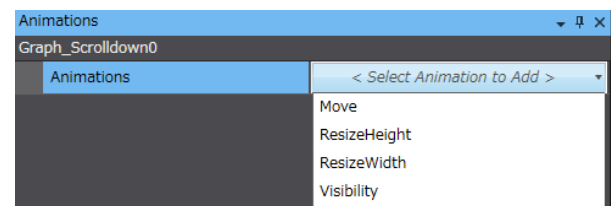
### ● Event and action

There are no event and action functions.

### ● Animation

You can define the basic animation action.



For details, refer to "Animations".



# 13 Document Viewer Control IAG

## 13-1 Show Document

### ● External specification

<b>Object name</b>	Show_document
<b>Category</b>	IAG_Document
<b>Description</b>	Displays a specified document at a specified size (length and width).
<b>Features</b>	Specifies the document display position and size using four Integer variables.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	show_document0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
DocumentResourceID	Specifies the document ID *3	Direct input	Character string (String) *4	(Blank)
Top_Position	Specifies the document display position (Y-axis) *2, *5	Direct input	Numerical (Integer)	(Blank)
Left_Position	Specifies the document display position (X-axis) *2, *5	Direct input	Numerical (Integer)	(Blank)
Size_Width	Specifies the document width *6	Direct input	Numerical (Integer)	(Blank)
Size_Height	Specifies the document height *6	Direct input	Numerical (Integer)	(Blank)
Properties screen				

## 13.Document Viewer Control IAG

▼ General	
Name	Show_document0
Type	IAG
Version	1.140
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
Position (Left,Top)	0, 0
Left	0
Top	0
Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
DocumentResourceID	
Top_Position	
Left_Position	
Size_Width	
Size_Height	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. Enter the ID of the document registered in the resources.  
Example: Document0
- \*4. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*5. Specify the coordinates of the top and left of the document viewer object.  
Specify a Y-axis coordinate in Top\_Position.  
Specify an X-axis coordinate in Left\_Position.
- \*6. Specify the display size of the document viewer object. Only positive values are valid.  
Specify the width of the object in Size\_Width.  
Specify the height of the object in Size\_Height.

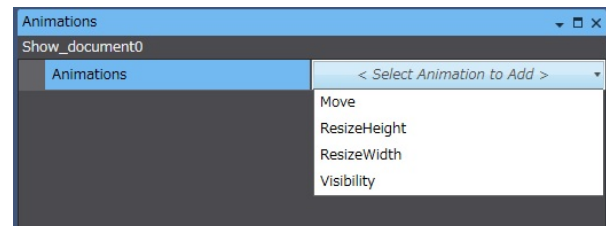
### ● Event and action

There are no event and action functions.

### ● Animation



You can define the basic animation action.

For details, refer to "Animations".



## 13-2 Show Document (Full Screen)

## ● External specification

<b>Object name</b>	show_document_full_screen
<b>Category</b>	IAG_Document
<b>Description</b>	Displays the specified document in full-screen mode.
<b>Features</b>	The view is fixed at full-screen.
<b>Graphic expression</b>	<div> Not pressed:  </div> <div> Pressed:  </div>

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	show_document_full_s creen0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(60, 60)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	60
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	60
Behavior (Input)				
DocResource	Specifies the document ID *3	Direct specification	Character string (String) *4	(Blank)

## Properties screen

▼ General	
Name	Show_document_full_screen0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	60, 60
Width	60
Height	60
▼ Behavior (Input)	
DocResource	

- 
- \*1. "Transparent" indicates that the color is transparent.
  - \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
  - \*3. Enter the ID of the document registered in the resources.  
Example: Document0
  - \*4. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- 

- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.

For details, refer to "Animations".



# 14 Compound IAG Objects

## 14-1 Alarm Control Compound Object

### ● External specification

<b>Object name</b>	Alarm_composition_all
<b>Category</b>	IAG_Alarm
<b>Description</b>	[Clear Alarm Log] [Check Selected Alarm] [Check All Alarms] Compound IAG consisting of three objects.
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	<div> </div> <p>Not pressed</p> <p>Press_[Clear Alarm Log]: Display/function of each button is same as a single button.</p> <p>Press_[Check Selected Alarm]: Display/function of each button is same as a single button.</p> <p>Press_[Check All Alarms]: Display/function of each button is same as a single button.</p>

### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Alarm_composition_all 0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(213, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	213
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
AlarmObjectName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)
Properties screen				



## 14.Compound IAG Objects

▼ General	
Name	Alarm_composition_all0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	212
Height	66
▼ Behavior (Input)	
AlarmObjName	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

- Event and action

There are no event and action functions.

- Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-2 Alarm Viewer Control Compound Object

## ● External specification

<b>Object name</b>	Scroll_composition_all						
<b>Category</b>	IAG_Alarm						
<b>Description</b>	Compound IAG consisting of six objects: [Return to Top], [Scroll Up by Specified Number of Lines], [Scroll Up One Line], [Scroll Down One Line], [Scroll Down by Specified Number of Lines], [Go to End]						
<b>Features</b>	Enables entry of fewer properties than with individual placement of objects. (Two properties as opposed to eight properties) Easy customization such as adding, deleting, and moving buttons.						
<b>Graphic expression</b>	Not pressed	Pressed: Scroll Up One Line	Pressed: Scroll Down One Line	Pressed: Scroll Up by Specified Number of Lines	Pressed: Scroll Down by Specified Number of Lines	Pressed: Return to Top	Pressed: Go to End
	 Display/function of each button is same as a single button.						

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Scroll_composition_all0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(66, 386)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	66

## 14.Compound IAG Objects

Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	273
Behavior (Input)				
AlarmObjectName	Specifies the alarm viewer object name.	Direct input	Character string (String) *3	(Blank)
ViewScrollAmount	Specifies the number of alarm scroll lines	Direct input	Numerical (Integer)	(Blank)

**Properties screen**

**General**

Name: Scroll\_composition\_all0

Type: IAG

Version: 1.14B

Publisher: Omron

**Appearance**

BackgroundColor: ☐ Transparent

**Layout**

Position (Left,Top): 0, 0

Left: 0

Top: 0

Size (Width,Height): 66, 386

Width: 66

Height: 386

**Behavior (Input)**

AlarmObjName:

ViewerScrollAmount:

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

### ● Event and action

There are no event and action functions.

### ● Animation


You can define the basic animation action.

For details, refer to "Animations".



### 14-3 Media Player Compound Object

#### ● External specification

<b>Object name</b>	Media_player_composition_all
<b>Category</b>	IAG_Movie
<b>Description</b>	[Stop] [Play] [Pause] Compound IAG consisting of three objects.
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p> <p>Press_[Play]: Display/function of each button is same as a single button.</p> <p>Press_[Pause]: Display/function of each button is same as a single button.</p> <p>Press_[Stop]: Display/function of each button is same as a single button.</p>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Media_player_composition_all0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(212, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	212
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
MovieObjName	Specifies the media player object name.	Direct input	Character string (String) *3	(Blank)

#### Properties screen

▼ General

Name

Media\_player\_composition\_all0

Type

IAG

Version

1.0

Publisher

Omron

▼ Appearance

BackgroundColor

☐ Transparent

▼ Layout

▼ Position (Left,Top)

Left

160

Top

110

▼ Size (Width,Height)

Width

212

Height

66

▼ Behavior (Input)

MovieObjName

## 14.Compound IAG Objects

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

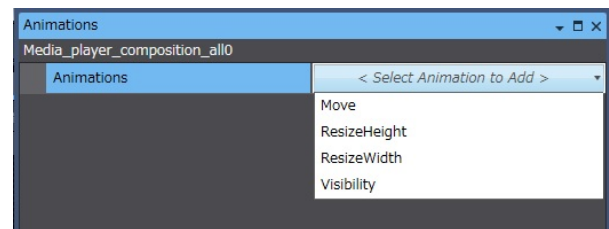
- Event and action

There are no event and action functions.

- Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-4 Recipe Control Compound Object

## ● External specification

<b>Object name</b>	RecipeComposition
<b>Category</b>	IAG_Recipe
<b>Description</b>	Compound IAG consisting of eight objects: [Add Record] [Save] [Save As] [Delete] [Import] [Export] [Read from Controller] [Write to Controller]
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	<p>Not pressed: </p> <p>Press_[Add Record]: Display/function of each button is same as a single button.</p> <p>Press_[Save]: Display/function of each button is same as a single button.</p> <p>Press_[Save As]: Display/function of each button is same as a single button.</p> <p>Press_[Delete]: Display/function of each button is same as a single button.</p> <p>Press_[Import]: Display/function of each button is same as a single button.</p> <p>Press_[Export]: Display/function of each button is same as a single button.</p> <p>Press_[Read from Controller]: Display/function of each button is same as a single button.</p> <p>Press_[Write to Controller]: Display/function of each button is same as a single button.</p>

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	RecipeComposition0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(509, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	509
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
RecipeObjName	Specifies the recipe viewer object name.	Direct input	Character string (String) *3	(Blank)
PathAndFileName	File path and file name *4	Direct input	Character string (String) *3	(Blank)
NewInstanceName	Specifies Add/New instance name	Direct input	Character string (String) *3	(Blank)

## 14.Compound IAG Objects

### Properties screen

▼ General	
Name	RecipeComposition0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	509, 66
Width	509
Height	66
▼ Behavior (Input)	
RecipeObjName	
PathAndFileName	
NewInstanceName	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. The import file path and file name are as follows:  
File path\_SD card: \SDCard\Folder name\File name  
\_USB memory: \USBDisk\Folder name\File name  
Example: SDCard\Recipe0.csv: Specifies "Recipe.csv" file in root directory of SD card

### ● Event and action

There are no event and action functions.

### ● Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-5 Data Logging Compound Object

## ● External specification

<b>Object name</b>	Datalog_composition
<b>Category</b>	IAG_Trend
<b>Description</b>	[Start Data Logging] [Stop Data Logging] [Clear Logged Data] [Save Logged Data] Compound IAG consisting of four objects.
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	 <p>Not pressed:</p> <p>Press_[Start Data Logging]: Display/function of each button is same as a single button.</p> <p>Press_[Stop Data Logging]: Display/function of each button is same as a single button.</p> <p>Press_[Clear Logged Data]: Display/function of each button is same as a single button.</p> <p>Press_[Save Logged Data]: Display/function of each button is same as a single button.</p>

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Datalog_composition0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(277, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	277
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
SelectDataSetName	Specifies the name of the data set for logging.	Direct input	Character string (String) *3	(Blank)
Properties screen				



▼ General	
Name	Datalog_composition0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent ▼
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	277
Height	66
▼ Behavior (Input)	
SelectDataSetName	

\*1. "Transparent" indicates that the color is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".

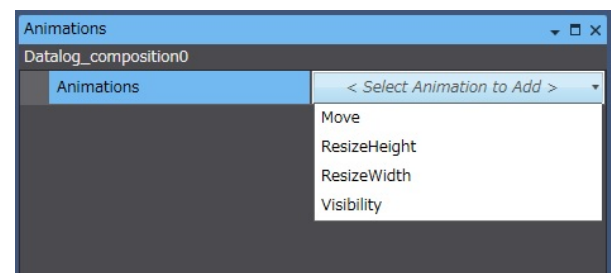
- Event and action

There are no event and action functions.

- Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-6 Trend Graph Control (Horizontal Axis) Compound Object

## ● External specification

<b>Object name</b>	Trend_graph_composition_all
<b>Category</b>	IAG_Trend
<b>Description</b>	[Scroll to Start Position] [Scroll Left] [Scroll Right] [Scroll to End Position] [Show/Hide Cursor][Display Mode] Compound IAG consisting of six objects.
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p> <p>Press_[Scroll to Start Position]: Display/function of each button is same as a single button.</p> <p>Press_[Scroll Left]: Display/function of each button is same as a single button.</p> <p>Press_[Scroll Right]: Display/function of each button is same as a single button.</p> <p>Press_[Scroll to End Position]: Display/function of each button is same as a single button.</p> <p>Press_[ Show/Hide Cursor]: Display/function of each button is same as a single button.</p> <p>Press_[ Display Mode]: Display/function of each button is same as a single button.</p>

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_graph_composition_all0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(393, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	393
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String)*3	(Blank)
CursorNo	Specified show/hide cursor number *4	Direct input	Numerical (Integer)	(Blank)
CursorVisible	Specifies cursor show/hide *5	Direct input	Numerical (Boolean)	(Blank)
DisplayMode	Specifies the trend graph display mode *6	Direct input	Numerical (Integer)	(Blank)
Properties screen				

<b>General</b>	
Name	Trend_graph_composition_all0
Type	IAG
Version	1.14B
Publisher	Omron
<b>Appearance</b>	
BackgroundColor	<input type="checkbox"/> Transparent
<b>Layout</b>	
<b>Position (Left,Top)</b>	
Left	0
Top	0
<b>Size (Width,Height)</b>	
Width	393
Height	66
<b>Behavior (Input)</b>	
TrendObjName	
CursorNo	
CursorVisible	
DisplayMode	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. Select 1, 2, or 3
  - 1: Show Cursor 1 only
  - 2: Show Cursor 2 only
  - 3: Show both Cursor 1 and Cursor 2
- \*5. Specify a Boolean variable.
  - When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.
  - "0" or "1" can be entered instead of "True" or "False".
  - "0" is the equivalent of "False", and "1" is the equivalent of "True".
- \*6. Specify an Integer variable. Enter one of the values below to select the display mode.
  - Select 0, 1, or 2
  - 0: Analog only
  - 1: Digital only
  - 2: Both

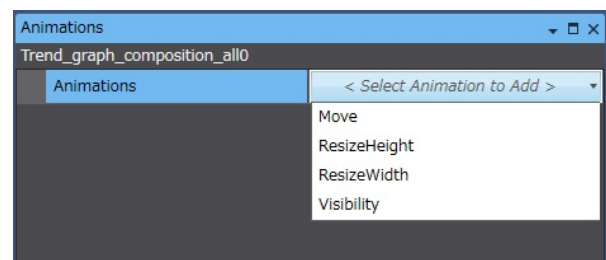
### ● Event and action

There are no event and action functions.

### ● Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-7 Trend Graph Control (Vertical Axis) Compound Object

## ● External specification

<b>Object name</b>	Trend_graph_composition_all2				
<b>Category</b>	IAG_Trend				
<b>Description</b>	[Scroll Up] [Scroll Down] [Zoom In] [Zoom Out] Compound IAG consisting of four objects.				
<b>Features</b>	Enables entry of fewer properties than with individual placement of objects. (Two properties as opposed to eight properties) Easy customization such as adding, deleting, and moving buttons.				
<b>Graphic expression</b>	Not pressed	Pressed: Scroll Up	Pressed: Scroll Down	Pressed: Zoom In	Pressed: Zoom Out
	 <p>Display/function of each button is same as a single button.</p>				

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	Trend_graph_compositi on_all20
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(273, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	66
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	273
Behavior (Input)				
TrendObjName	Specifies the trend graph object name.	Direct input	Character string (String) *3	(Blank)
ZoomTarget	Specifies the zoom-in direction *4	Direct input	Numerical (Integer)	(Blank)
Properties screen				

<b>General</b>	
Name	Trend_graph_composition_all20
Type	IAG
Version	1.14B
Publisher	Omron
<b>Appearance</b>	
BackgroundColor	<input type="checkbox"/> Transparent
<b>Layout</b>	
<b>Position (Left,Top)</b>	
Left	0
Top	0
<b>Size (Width,Height)</b>	
Width	66
Height	277
<b>Behavior (Input)</b>	
TrendObjName	
ZoomTarget	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*4. Specify an Integer variable. Enter one of the values below to select the zoom-in setting.  
 Select 0, 1, or 2  
 0: Both    Zoom-in both X- and Y-axes  
 1: X-axis    Zoom-in X-axis  
 2: Y-axis    Zoom-in Y-axis

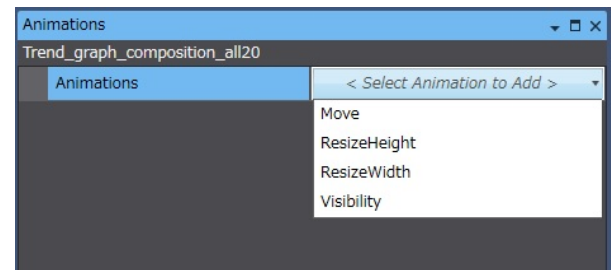
### ● Event and action

There are no event and action functions.

### ● Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-8 Broken Line Graph Control (Horizontal Axis) Compound Object

## ● External specification

<b>Object name</b>	BrokenLine_graph_composition_all
<b>Category</b>	IAG_BrokenLineGraph
<b>Description</b>	[Scroll Left][Scroll Right][Show/Hide Cursor][Show/Hide Trace] [Add Trace][Delete Trace] Compound IAG consisting of six objects.
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed:</p> <p>Press_[Scroll Left]: Display/function of each button is same as a single button.</p> <p>Press_[Scroll Right]: Display/function of each button is same as a single button.</p> <p>Press_[Show/Hide Cursor]: Display/function of each button is same as a single button.</p> <p>Press_[Show/Hide Trace]: Display/function of each button is same as a single button.</p> <p>Press_[ Add Trace]: Display/function of each button is same as a single button.</p> <p>Press_[Delete Trace]: Display/function of each button is same as a single button.</p>

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	BrokenLine_graph_composition_all 0
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(393,66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	393
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
CursorNo	Specified show/hide cursor number. *4	Direct input	Numerical (Integer)	(Blank)
CursorVisible	Specifies cursor show/hide. *5	Direct input	Numerical(Boolean)	(Blank)
GraphTraceName	Specifies the trace name.	Direct input	Character string (String) *3	(Blank)
Marker_Visible	Specifies show/hide marker. *5	Direct input	Numerical (Boolean)	(Blank)

## 14.Compound IAG Objects

Column_Number	Specifies the column to start the file processing.	Direct input	Numerical (Integer)	(Blank)
Row_Number	Specifies the row to start the file processing.	Direct input	Numerical (Integer)	(Blank)
File_Name	Specifies the name of file to be displayed.	Direct input	Character string (String) *3	(Blank)
Device_Type	Specifies the location to save the file to be displayed. *6	Direct input	Numerical (Boolean)	(Blank)

### Properties screen

▼ General	
Name	BrokenLine_graph_composition_all0
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	393, 66
Width	393
Height	66
▼ Behavior (Input)	
GraphObjName	
CursorNo	
CursorVisible	
GraphTraceName	
Marker_Visible	
Column_Number	
Row_Number	
File_Name	
Device_Type	

- \*1. "Transparent" indicates that the colour is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".
- \*4. Select 1 or 2  
 1: Show Cursor 1 only  
 2: Show Cursor 2 only
- \*5. Specify a Boolean variable.  
 When the Boolean variable is "True", the cursor is shown. When "False", the cursor is hidden.  
 "0" or "1" can be entered instead of "True" or "False".  
 "0" is the equivalent of "False", and "1" is the equivalent of "True".
- \*6. Specify a Boolean variable.  
 When the Boolean variable is "True", the file is saved to SD card. When "False", saved to USB memory.

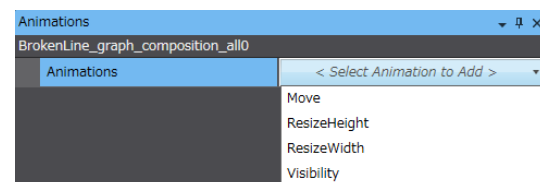
### ● Event and action

There are no event and action functions.

### ● Animation


You can define the basic animation action.

For details, refer to "Animations".



## 14-9 Broken Line Graph Control (Vertical Axis) Compound Object

## ● External specification

<b>Object name</b>	BrokenLine_graph_composition_all2				
<b>Category</b>	IAG_BrokenLineGraph				
<b>Description</b>	[Scroll Up][Scroll Down][Zoom-in][Zoom-out]Compound IAG consisting of four objects.				
<b>Features</b>	Enables entry of fewer properties than with individual placement of objects. (Two properties as opposed to eight properties) Easy customization such as adding, deleting, and moving buttons.				
<b>Graphic expression</b>	Not pressed	Pressed: Scroll Up	Pressed: Scroll Down	Pressed: Zoom-in	Pressed: Zoom-out
	 <p>Display/function of each button is same as a single button.</p>				

## ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	BrokenLine_graph_composition_all20
Type	Specifies the object type. This item cannot be changed.	-	-	IAG
Version	Specifies the version of the IAG.	-	-	1.14A
Publisher	Specifies the IAG publisher.	-	-	Omron
Appearance				
BackgroundColor	Specifies the background colour of the page.	Item selection Direct input	Colour palette String	Transparent *1
Layout				
▼ayoutare(Left,Top)	Specifies the position of the object on the page.*2	Direct input Spin button	Numerical Numerical	-
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	-
▼umer(Width,Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(66,277)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	66
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	277
Behavior (Input)				
GraphObjName	Specifies the broken line graph object name.	Direct input	Character string (String) *3	(Blank)
ZoomTarget	Specifies the zoom-in direction. *4	Direct input	Numerical (Integer)	(Blank)
Properties screen				



▼ General	
Name	BrokenLine_graph_composition_all20
Type	IAG
Version	1.14A
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	0, 0
Left	0
Top	0
▼ Size (Width,Height)	66, 277
Width	66
Height	277
▼ Behavior (Input)	
GraphObjName	
ZoomTarget	

\*1. "Transparent" indicates that the colour is transparent.

\*2. The coordinate origin is the upper-left corner of the NA-series PT screen.

\*3. When directly entering a string in a Behaviour (Input) property, enclose the string with quotation marks " ".

\*4.. Specify an Integer variable. Enter one of the values below to select the zoom-in setting.

Select 0, 1, or 2

0:Both      Zoom-in both X- and Y-axes

1:Horizontal      Zoom-in X-axis

2:Vertical      Zoom-in Y-axis

### ● Event and action

There are no event and action functions.

### ● Animation


You can define the basic animation action.

For details, refer to "Animations".

Animations	
BrokenLine_graph_composition_all20	
Animations	< Select Animation to Add >
	Move
	ResizeHeight
	ResizeWidth
	Visibility

### 14-10 Show Document Compound Object

#### ● External specification

<b>Object name</b>	document_viewer_composition_all
<b>Category</b>	IAG_Document
<b>Description</b>	[Show Document] [Show Document (Full Screen)] Compound IAG consisting of two objects.
<b>Features</b>	Easy customization such as adding, deleting, and moving buttons.
<b>Graphic expression</b>	<div>  </div> <p>Not pressed</p> <p>Press_[Show Document]: Display/function of each button is same as a single button.</p> <p>Press_[Show Document (Full Screen)]: Display/function of each button is same as a single button.</p>

#### ● Properties

Property	Description	Input method	Range	Default
General				
Name	Specifies the object name. The name must be unique in that screen.	Direct input	String (1 to 127 characters)	document_viewer_composition_all0
Type	Specifies the object type. This item cannot be changed.	---	---	IAG
Version	Specifies the version of the IAG.	---	---	1.14B
Publisher	Specifies the IAG publisher.	---	---	Omron
Appearance				
BackgroundColor	Specifies the background color of the page.	Item selection Direct input	Color palette String	Transparent *1
Layout				
▼Position (Left, Top)	Specifies the position of the object on the page.* 2	Direct input Spin button	Numerical Numerical	---
Left	Specifies the horizontal page coordinate (x-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
Top	Specifies the vertical page coordinate (y-axis) of the position of the top-left of the object.	Direct input Spin button	Numerical Numerical	---
▼ Size (Width, Height)	Specifies the size of the object.	Direct input Spin button	Numerical Numerical	(273, 66)
Width	Specifies the object width.	Direct input Spin button	Numerical Numerical	273
Height	Specifies the object height.	Direct input Spin button	Numerical Numerical	66
Behavior (Input)				
DocumentResourceID	Specifies the document ID *3	Direct input	Character string (String) *4	(Blank)
Top_Position	Specifies the document display position (Y-axis) *2, *5	Direct input	Numerical (Integer)	(Blank)
Left_Position	Specifies the document display position (X-axis) *2, *5	Direct input	Numerical (Integer)	(Blank)
Size_Width	Specifies the document width *6	Direct input	Numerical (Integer)	(Blank)
Size_Height	Specifies the document height *6	Direct input	Numerical (Integer)	(Blank)
Properties screen				

▼ General	
Name	Document_viewer_composition_all0
Type	IAG
Version	1.14B
Publisher	Omron
▼ Appearance	
BackgroundColor	<input type="checkbox"/> Transparent
▼ Layout	
▼ Position (Left,Top)	
Left	0
Top	0
▼ Size (Width,Height)	
Width	161
Height	66
▼ Behavior (Input)	
DocumentResourceID	
Top_Position	
Left_Position	
Size_Width	
Size_Height	

- \*1. "Transparent" indicates that the color is transparent.
- \*2. The coordinate origin is the upper-left corner of the NA-series PT screen.
- \*3. Enter the ID of the document registered in the resources.  
Example: Document0
- \*4. When directly entering a string in a Behavior (Input) property, enclose the string with quotation marks " ".
- \*5. Specify the coordinates of the top and left of the document viewer object.  
Specify a Y-axis coordinate in Top\_Position.  
Specify an X-axis coordinate in Left\_Position.
- \*6. Specify the display size of the document viewer object. Only positive values are valid.  
Specify the width of the object in Size\_Width.  
Specify the height of the object in Size\_Height.

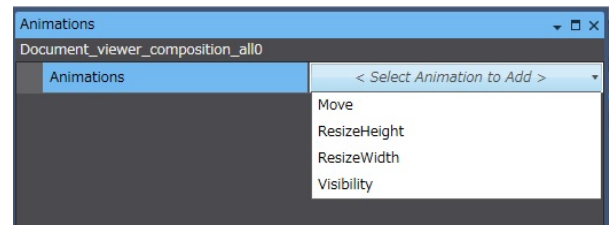
- Event and action

There are no event and action functions.

- Animation

You can define the basic animation action.

For details, refer to "Animations".



# 15 IAG Specifications

The IAG editor of the Sysmac Studio is used to create an IAG library. For this reason, the functions that can be used vary depending on the NA version supported by the version of the Sysmac Studio used to create the IAG library.


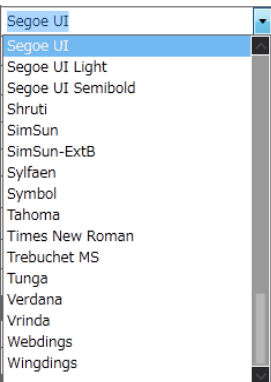
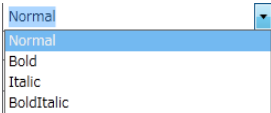
In general the functions are backwardly compatible, which means that an IAG library created using an older NA version can be applied to a newer NA version.

This section explains the limitations that apply with an IAG editor as opposed to a regular NA editor.

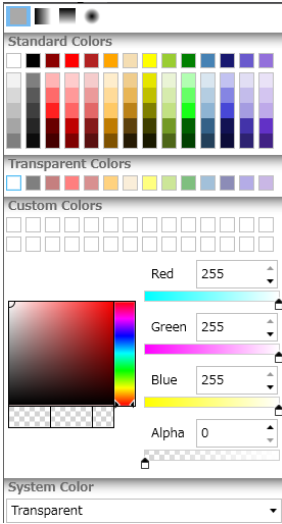
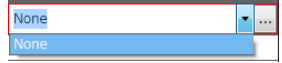





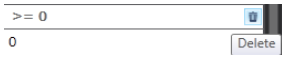
## 15-1 Property Input Limitations

The methods below can be used to enter properties in the Sysmac Studio (NA).

For details on the input methods, refer to Chapter 15, "How to Use IAG Objects".

Input method	Description	Appearance	Support	
			Standard objects	User-defined properties
Direct input	Entry of numbers and strings.	---	Possible	Possible
Spin button	Entry of numbers. Press ▲ to increment or ▼ to decrement.		Possible	Not possible.
Item selection	Selection of items from a specific I/F. The types below exist.			
Font list	For specification of a font.		Possible	Not possible.
Style list	For specification of a style. The four styles below exist. Normal Bold Italic BoldItalic		Possible	Not possible.


## 15.IAG Specifications

Input method	Description	Appearance	Support	
			Standard objects	User-defined properties
Item selection	Selection of items from a specific I/F. The types below exist.			
Color palette	For specification of a color		Possible	Not possible.
Resource ID	For specification of the ID of a string, animation, or other entity registered in the resources.		Possible	Not possible.
Level selection	For specification of a security level. All levels set in the security settings are shown by drop-down display.		Possible	Not possible.
Checkboxes	Check or uncheck to select. Use for the settings of Boolean variables.		Possible	Not possible.
Variable specification	Method for specifying NA global variables. IntelliSense operates. *1		Possible	Possible
File specification	Specification of a file in a computer using Internet Explorer.		Possible	Not possible.
Plus button	Use to add data to be referenced.		Possible	Not possible.
Delete button	Use to delete a property that was added with the plus button or by event selection.		Possible	Not possible.

\*1. Cannot be used with the IntelliSense function (operates when a resource ID is entered) in the properties of a standard object.

# 16 How to Use IAG Objects

## 16-1 Example

As an example, this chapter explains how to position the "Check Selected Alarm" button  included in the IAG library files provided by OMRON on the alarm viewer page of an NA demonstration project file.

IAG library file : OmronStandardIAG\_114B\_E\_AlarmButtons.iag

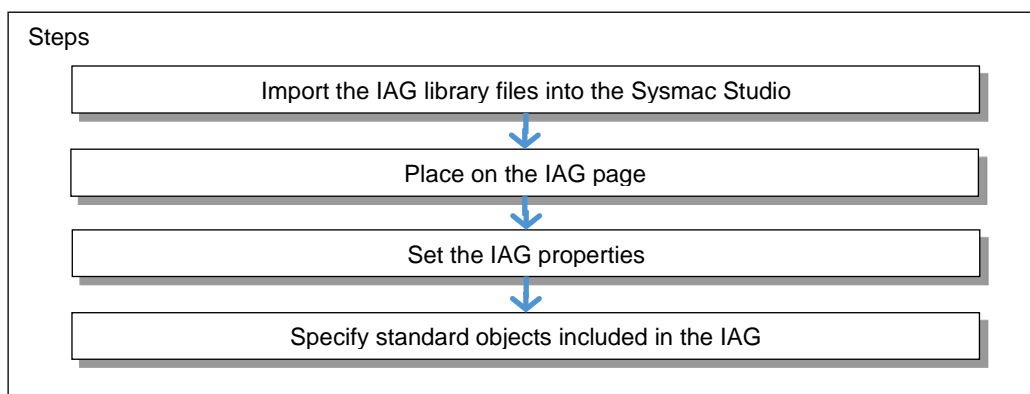
IAG object : "Check Selected Alarm" button ("Acknowledge\_the\_selected\_alarm")

Project file : OmronStandardIAG\_114B\_E\_AlarmButtons.smc2

## 16-2 Procedure

To use the IAG library, first import the distributed IAG file.

Once the file is imported, you can place the button using the same procedure as a standard object.



### Additional Information

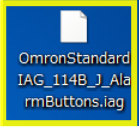
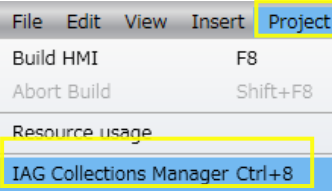
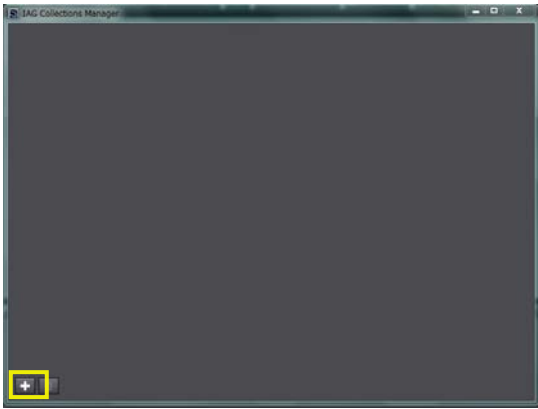
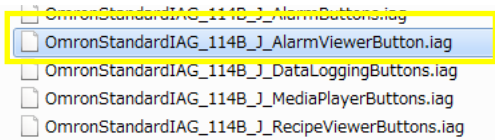
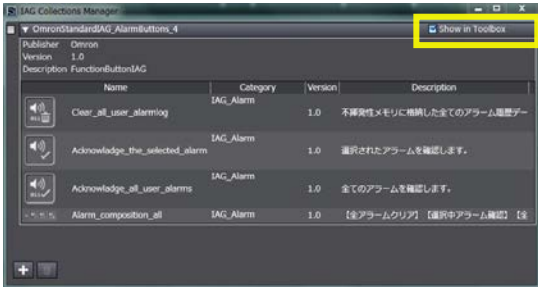
You cannot edit the IAG library using an IAG library file (file extension ".iag").

To edit the library, obtain the project files (file extension ".smc2") that are the source for the IAG library files, and import into the Sysmac Studio.

Ask your OMRON representative for information on how to obtain the files.

### 16-3 Importing IAG Library Files Into the Sysmac Studio

To import IAG library files, use IAG Collections Manager.

1. Copy the distributed IAG files to any folder. In this example, the files are copied to the desktop.	
2. Start the Sysmac Studio.	
3. Open the project file that uses the IAG.	
4. Load the IAG file into the Sysmac Studio on this computer. Click "Project" -> "IAG Collections Manager" to open IAG Collections Manager.	
5. The IAG Collections Manager pop-up window opens. To add the IAG file, click the "+" button in the lower left corner.	
6. Select "OmronStandardIAG_114B_E_AlarmButtons.iag" on the desktop and click the "Open" button.	
7. "OmronStandardIAG_114B_E_AlarmButtons.iag" is added to IAG Collections Manager. Make sure the correct file was added, and make sure that a checkmark appears in "Show in Toolbox" at the upper right. *1	
8. Close the IAG Collections Manager pop-up window.	

## 16.How to Use IAG Objects



### Additional Information

- \*1. When "Show in Toolbox" is selected, the IAG library appears in the Sysmac Studio toolbox.

☒ Show in Toolbox

9. Make sure the following category is added to the Sysmac Studio toolbox.

- IAG\_Alarm

This completes the import procedure.

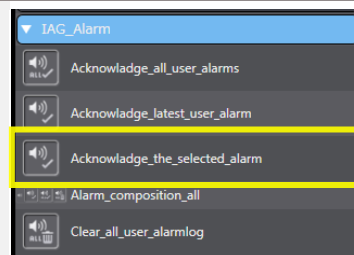


### 16-4 Placing on the IAG Page

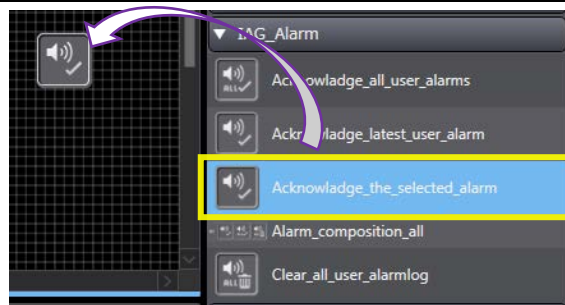
The steps for placement on the IAG page are the same as for a standard object.

1. Click "►" next to the new "IAG Alarm" in the toolbox to open the categories.

The IAG objects included in the "IAG\_Alarm" category appear. Make sure that "Acknowledge\_the\_selected\_alarm" appears.



2. Drag "Acknowledge\_the\_selected\_alarm" to the desired position on the page.





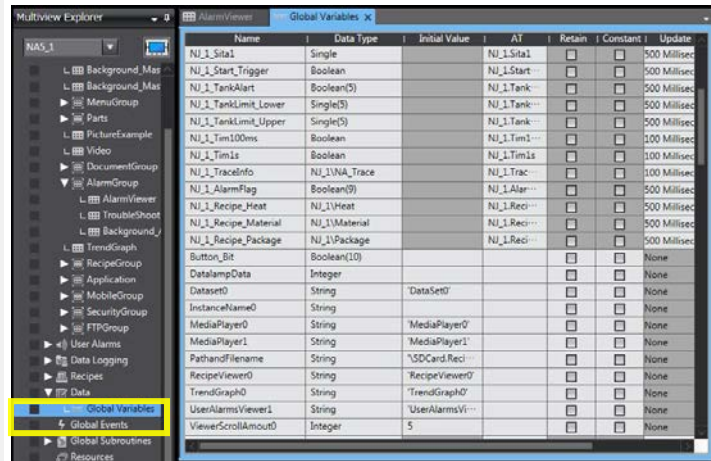
## 16-5 Setting the IAG Properties (User-Set Properties)

This section explains how to set the properties.

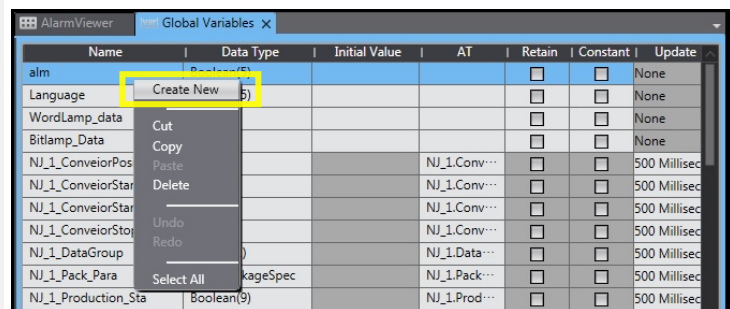
Use either "direct input" or "specify variable" as appropriate for the objective of the IAG.

### ● How to set the properties (specify variable)

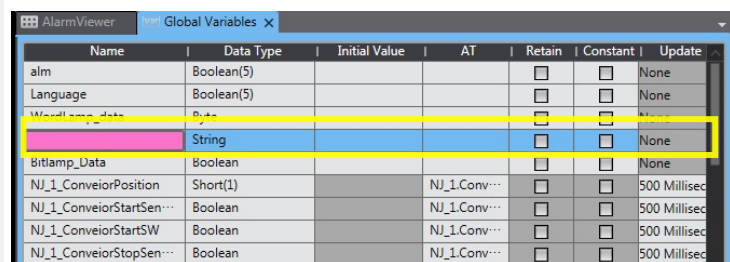
1. Declare the string variable to be allocated in the properties.  
Double-click "Data" -> "Global Variables" to open the global variable table.



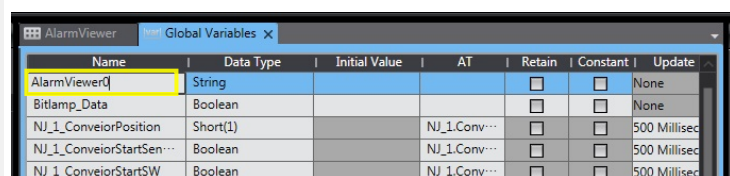
2. Right-click on the global variable table and select "Create New".



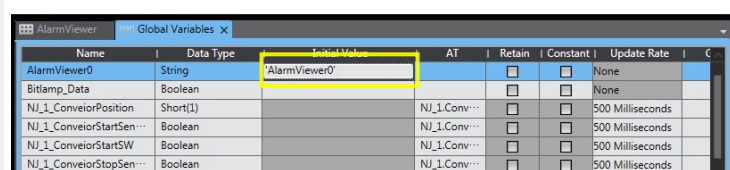
3. Make sure that the global variable has been added.



4. Enter the name and data type.  
First enter "AlarmViewer0" for the name.  
Next enter "String" for the data type.



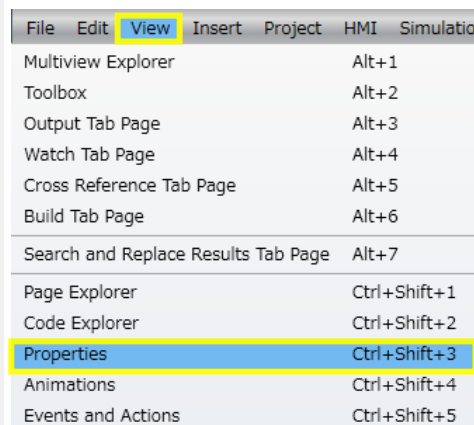
5. Enter the name of the alarm viewer object to be specified as the default setting.  
Enter "AlarmViewer0" here. \*1



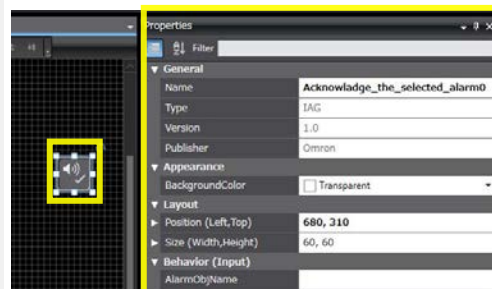
6. When you have finished entering the variable, return to the page on which you placed the IAG object.



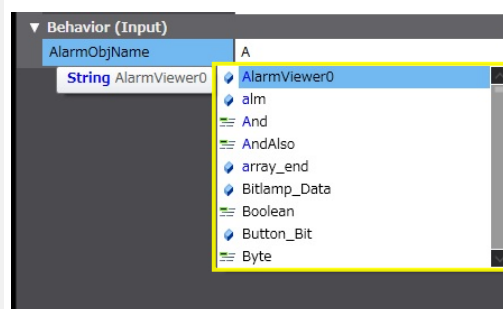
7. Select "View" -> "Properties" in the menu in order to edit the IAG properties.



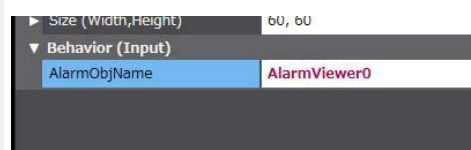
8. The Properties window opens on the right. Click the "Acknowledge\_the\_selected\_alarm" IAG that you placed to show the properties.



9. Click "Behavior (Input)" in the properties -> enter "AlarmViewer0" to be specified to "AlarmObjName". Select [AlarmViewer0].



10. This completes the entry procedure.

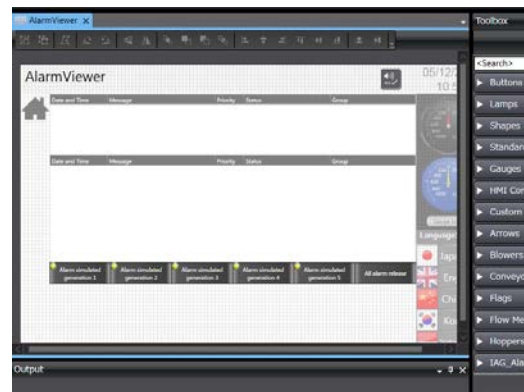


\*1. When using a string variable to specify the default setting, enclose the string in ' ' marks.

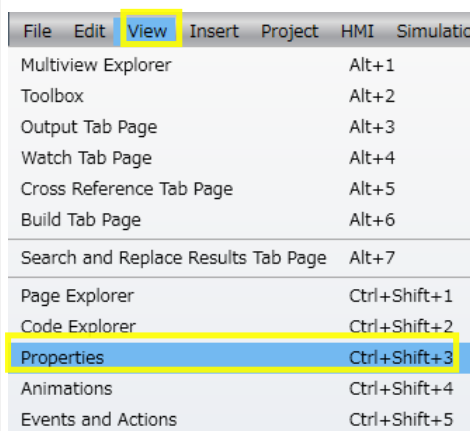
## 16.How to Use IAG Objects

### ● How to set the properties (direct input)

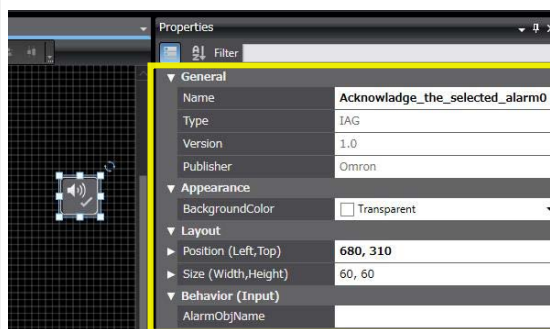
1. Open the page on which you placed the IAG object.



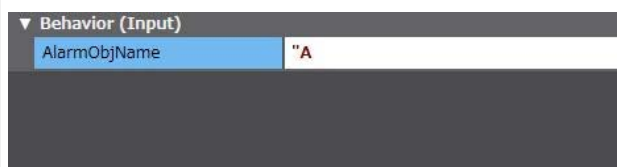
2. Select "View" -> "Properties" in the menu in order to edit the IAG properties.



3. The Properties window opens on the right. Click the "Acknowledge\_the\_selected\_alarm" IAG that you placed to show the properties.



4. Click "Behavior (Input)" in the properties -> enter "AlarmViewer0" to be specified to "AlarmObjName". Enter ["AlarmViewer0"] here (include the quotation marks). \*1



5. This completes the entry procedure.



\*1. When setting a string by direct entry, enclose the string in " " marks.

# Revision History

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Revision code	Date	Revised content
01	November 2015	Original production
02	February 2016	Minor modifications
03	March 2016	Added descriptions related to “Broken Line Graph Control IAG”. Minor modifications
04	August 2017	Made revisions accompanying version upgrade.

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