

(2) Types of Sub-display

• There are 6 kinds of settings as shown below for Sub-display function.

	Change Screen	Changes the display screen to another screen according to each message.
Base screen	Library Display	Calls and displays a library (picture) according to each message.
	Text Display	Calls and displays a text (sentences) according to each message.
	Change Screen	Calls a base screen according to each message via a window and displays it.
Active Window	Library Display	Calls a picture (library) according to each message via a window and displays it.
	Text Display	Calls a text (sentences) according to each message via a window and displays it.

Note!

Details of

Alarm 2 (Library)

Alarm 2



On the base screen, the space is needed for a sub-screen. When it displays overlapping other objects, it's impossible to delete the sub screen only.
A sub-screen called by L-tag is called so that the center of the screen overlaps L tag.

• Only pictures can be called and displayed. Parts and tags cannot be called and displayed.

Alarm 2

Touch!









(2) Setting on Alarm Editor

The number of a screen of sub-display can be set via Sub Display Screen Number on Alarm Editor.

	Bit	Address	Group No	Sub	Display	State	Mess
1	X0100		Û	10		תם	Alacml
2	X0101		Û	11		מס	Alacm2

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(3) Q tag Settings

Select [Change Screen] of [Base Screen].

The screen of a sub display registration No. that is set on Alarm Editor + an offset value is displayed.

With [Direct Selection] checked, touching the message displayed by Q tag displays the sub screen. Without [Direct Selection] checked, using T tag's [Q tag selection key] allows the sub screen to display.

With [Cursor Display] checked, a cursor displays on the selected message.

1
Q Tag Setti ng 🛛 🕅 🕅
General Into. Display Mode Display Format Size/Color Sub Display Angle Extended Function C North C Base Screen C Loange Screen C Loange Screen C Loange Screen C Loange Screen C Loange Display Diffset Disect Selection C Corror Display Corror Display Corror Display
OK Cancel Help

How to use Offset

Q: I set Sub Display Screen No. in the ascending order from [1] via Alarm Editor. But since the base screens, [1 to 10] have been already used for the display screen, I had to create a sub screen from the base screen, [11]. Do I have to re-register the sub display screen no. via Alarm Editor?

Jo.	\frown	Sub	Display	State	Message/Sum
		1		תם	LineA Speed Eccor
		2		D π	LineA Power Eccor
		3		תם	LineA Line Clogged
		9		תם	LineA Emergency St.
		5		תם	LineB Speed Eccor
		6		תם	LINEB POWER ECCOR

A: In this case, using [Offset] allows you to call and display the sub screen registered from B11 without reregistering the sub display screen no. via Alarm Editor. If [10] is set for Offset, when the message registered as a sub display screen no., [1] is sub-displayed, the screen of the screen no., [11] (Offset [10] + Sub Display Screen No. [1]) is displayed as a sub screen.

Tag Setting	
General Info. Dirg Sub Display None Be Mode Settings Change Screen Library Display Grave Display	Any Mode Display Format Size/Color Display Angle Extended Function es Screen (* Active Window Screen Type: Text Screen Word Address1 @Rag Screen Address)
Offset	Erare Screen No. 17 -
OK.	Cancel Help

Sub-display using Library Display

(1) Flow of Sub-display settings (Base screen -> Library display)

- 1 . Create a sub screen (base screen) for each alarm message.
- 2 . Register a sub display screen number for each message via Alarm Editor.
- 3 . Set Sub Display Function to Q tag.
- 4 . Set L-tag on the screen to which the sub screen is called.





(3) Q tag Settings

Select [Library Display] from [Base Screen].

The screen number of the base screen of sub-display is stored in the word address set here. The address must be the same as the word address of L-tag used for Sub Display.

Tagges Type Tagges Br C 0 = 1 C 1 > 0 Sf Norse		St No.	Seafone SEan C 800 C Overh
Mark Address Casalizo	Score Type A date Screen C longe Screen C longe Screen Of Carl	P. inglish	

ag Sett ing		8
General Info	nplay Mode Duplay Formar Doplay Angle Extended lare Screen: (** Active Window	Site/Color Function
Mode Settings Change Screen Extrany Display Text Display	Screen Type: Base Screen Word Address1 Ling Word Add ELS0020	
Dituer 10 +	Ensie Screen No. 1	
F Constanting		

Set the number of the screen displayed when selecting the message with the sub display screen no. defined as [0] via Alarm Editor (without the sub screen). Reference: P8-37)

(4) L tag Settings

• When using L tag with Sub Display's [Base Screen]-> [Library Display], make the following settings.

	(1)	(3)
Select [Indirect] from the Designated Screen tab.	L Tag Setting General Info. Designated Screen	×
Select [None] for Trigger Type.	C Direct C Indirect C State Trigger Type Trigger Bit Address C 0 → 1 C 1 → 0 C None Word Address Screen Type C Do 0 + 0 C Do 0 +	Erace Mode © No © Yes © Character
Select [Bin] for Data Format.	Offset Value 0 1 Image Screen	C Image Screen - BIN
Set the same address as the word address set in Sub Display of Q tag for Word Address.		ţelp
Select [Base Screen] for Screen Type.		
· The word address set in Sub D	bisplay can use LS area only.	

What's Erase Screen No.?

The Erase Screen No. is set when an alarm message with a sub screen and an alarm message without a sub screen (the sub display screen no. is set to [0]) are mixed. If you sub-display an alarm without a sub screen without setting an erase screen no., the previously displayed sub screen will remain. When an erase screen no. is set, if an alarm without a sub screen is selected, the already prepared erase screen (the screen registered in Erase Screen No.) will be written over the previously displayed sub screen. Therefore the sub screen is not displayed.

🔀 Point! ·

Ex.) When messages with the sub display screen no. set to [0] are mixed,

No.	Sub Display	State	Message/Sum
	1	Dπ	LineA Speed Eccor
	2	תם	LineA Power Sccor
	Û	Ол	LineA Line ⊂logged
	3	Ол	LineA Emergency Str
	٥	Dл	LineB Speed Eccor
	5	תם	LINeB Power Sccor
	٥	Dπ	LineB Line Clogged

Prepare an erase screen and set it to Q-tag's Erase Screen No.

Touch [Line A Power Error].

The sub screen registered in Sub Display Screen No. is displayed.



Touch [Line B Line Clogged].

The screen registered in Erase Screen No. is displayed.





(1) Flow of Sun Display Settings (Base Screen -> Text Display)

- 1 . Create a sub screen for each alarm message (a text screen).
- 2 . Register a sub display screen no. for each message via Alarm Editor.
- **3** . Set Sub Display Function to Q tag.
- $\boldsymbol{4}$. Set X tag on the screen to which the sub screen is called.

(2) Create a sub screen (a text screen)	
Create a screen of sub-display with Text Screen.	New Screen Type: OK Text Screen Cancel
Open [Editor] and select [Text Screen] from [New].	Base Screen Wizard Mark Screen Keypad Screen Video Screen Help
Create a text (sentences) of sub-display for each message and save it.	X1: LineA Speed Error





(4) Q tag Settings

		Q Tag Setting	
Select [Text Display] of [Base Screen].		General Info. Display Mode Display Format Sub Display Display Angle Extended C None C Base Screen C Active Window	Size/Color Function
The screen no. of the text screen for sub- display is stored in the word address set here. The address must be the same as the [Text Screen Word Address] of X tag used for Sub Display.	1	Mode Settings Screen Type: Test Screen C Labrary Display Test Display Test Display Erase Screen No. Offset ① Direct Selection □ Currer Display OK OK Cancel	xiers) + 2 3

Set the number of the screen displayed when selecting the message with the sub display screen no. defined as [0] via Alarm Editor (without the sub screen). Reference: P8-37)

(5) X tag Settings

• When using X-tag with [Base Screen]->[Text Display] of Sub Display, make the following settings.

	1 4
Select [Word] for Mode.	X Tag Setting
Set the same address as the word address set in Sub Display of Q tag for Text Screen Word Address.	General Info. Mode Sceensive Display Angle Bit Word Address Word Address Image: Construction of the second scenario o
Select [Bin] for Data Format.	OK Cancel Help

Select [Direct] for Display Start Line and set [1] for Line No..

释說

Sub-display using Active Window

(1) Flow of Sub Display Settings (Active Window -> Change Screen)

- 1 . Create a sub screen for each alarm message (Base Screen).
- 2 . Window-register the created sub screen.
- 3 . Register a sub display screen no. of each message via Alarm Editor.
- $4\;$. Set Sub Display Function to Q tag.
- 5 . Set U tag on the screen to which the sub screen is called.





If you select [Alarm 1], the Window [1] will be called as a sub screen.

(4) Q tag Settings

Select [Change Screen] of [Active Window]

A screen number of a text screen for subdisplay is stored in the word address set here. The address must be the same as the [w ord address] of U tag used for Sub Display.

Vord Address		\sum		
Designated W	indow 🗆 👘	Data Format	hed Screen Tr	Front
C Direct		G Bin		

	ता
Q Tag Settin 2 Genere Info. Display Mode Display Format Size/Color Sub Display Display Angle C Norat Base Screen C Active Window Mode Settingt Change Screen Library Display C Text Display Text Display Offset Image Screen Direct Selection Image Screen Corsor Display Image Screen	-2
OK Cancel Help	

(5) U tag Settings

• When using U tag with Sub Display, [Active Window] -> [Change Screen], make the following settings. And it will be fine wherever you place the set U tag on the screen.

The word address must be the same as the word address 2 that has been set in Sub Display of Q tag.

Select [Indirect] for Designated Window.

Select [Bin] for Data Format.

the screen.	(1)
	U Tag Setting
rd address must be the same as the	General Info. Designated Window
ddress 2 that has been set in Sub	T High Speed
of Q tag.	Word Address
	LS0031 Touched Screen To Front
Indirectl for Designated Window.	C Direct C BCD
Bin] for Data Format.	



(2) Settings on Alarm Editor

A screen number of sub display can be set in Sub Display Screen No. of Alarm Editor.

						—			
				_			_		
	Bit	Address	Group No.	$\left(\right)$	Sub	Display	3	tate	Mess
1	x0100		Û		10		תם		Alacml
2	X0101		û		11		תם		Alacm2
	-			\sim	-		-	· · · · · · · · · · · · · · · · · · ·	



Help

(3) L tag Settings

• When using L tag with Sub Display, [Active Window]->[Library Display], make the following settings. For L tag, create a new screen separately from the screen of sub display (the screen where Q tag is placed) and then place it.





Set the registration number of the window in which L tag has been registered.

8 - 20

Cancel

Hill

(6) U tag Settings

• When using U tag with Sub Display, [Active Window] -> [Library Display], make the following settings. And it will be fine wherever you place the set U tag on the screen.

	1	
The word address must be the same as the Word Address 2 set in Sub Display of Q tag.	U Tag Setting General Info. Designated Window High Speed Word Address LS0030	o Front
Select [Indirect] for Designated Window.	2 Designated Window C Direct C Direct C Bin C BCD	-3
Select [Bin] for Data Format.	OK Cancel Help	

Sub-display using Active Window and Text Display

(1) Flow of Sub Display Settings (Active Window -> Text Display)

- 1 . Create a sub screen (a text screen) for each alarm message.
- 2 . Register a sub display screen no. of each message via Alarm Editor.
- 4 . Set X tag on a new base screen.
- 5 . Register the created X tag.
- **3** . Set Sub Display Function to Q tag.
- 6 . Set U tag on the screen to which the sub screen (X tag) is called.

(2) Create a sub screen (text screen)

· Create a screen for sub display via Text Screen.

Open [Editor] and select [Text Screen] from [New].

Create a text (sentences) of sub display.







(4) X tag Settings

• When using X tag with Sub Display, [Active Window]-> [Text Display], make the following settings.

		(1) (4)
Select [Word] for Mode.		X Tag Setting X General Info. May Size/Style Display Angle
The text screen w ord address must be the same as the w ord address set in Sub Display of Q tag.	2- 3-	○ Bit ○ Word Text Screen ○ Display Start Line Word Address ○ Direct ○ Indirect ○ Indirect Data Format ○ ○ BCD ○ No. of Scroll Lines ○ 1 →
Select [Bin] for Data Format.		OK Cancel Help

Select [Direct] for Display Start Line and set [1] for Line No.





Set the number of the screen displayed when selecting the message with the sub display screen no. defined as [0] via Alarm Editor (without the sub screen). Reference: P8-37)

The word address must be the same as the [Word Address] of U tag used for Sub Display.



Set the registration number of the window in which X tag has been registered.

(7) U tag Settings

• When using U tag with Sub Display, [Active Window]->[Text Display], make the following settings. It will be fine wherever on the screen you place the set U tag.

The word address must be the same as the Word Address set in Sub Display of Q tag.		U Tag Setting General Info. Designated Wi High Speed Word Address	indow
Select [Indirect] for Designated Window.	2-	Designated Window C Direct F Indirect	Data Format © Bin © BCD
Select [Bin] for Data Format.		OK	Cancel <u>H</u> elp



Let's display Alarm Summary using Q tag.

The way to create AlarmSummary Display Extended Function (Q tag) in order to display AlarmSummary will be described. Here, the initial remedy method for Alarmwill be carried out with Sub Display ofX tag. The explanation will go in the order of message registration on AlarmEditor, Q tag Setting, and X tag Setting.

• Flow of Sub Display Function Settings

- 1 . Create a sub screen(X1 to X17) for each alarm message.
- 2 . Register a sub display screen number of each alarm on Alarm Editor.
- 3 . Set Sub Display Function to Q tag of B11.
- 4 . Create a window screen to display a detailed screen.(B 303 : X Settings, Window Registration)
- 5 . Set U tag to call the window screen on B11.

(1) Create a sub screen. Open Text Screen.

• Set Sub Display using [Text Display] of [Active Window] this time. Prepare the sub screen via Text Screen.

Click the New icon, select [Text Screen], and click [OK].





(2) Enter [Details] or [Remedies (countermeasure)] in the Text Screen.

Enter the remedy show n in the frame in the text screen. After entering it, save it as Text Screen [1].



(3) Let's set Sub Display.

Open [Sub Display] of [Q tag Settings] and select [Active Window].

Check [Text Display] of [Mode Settings].

Set [LS30] for the word address (the same address of X tag) and [17] for Erase Screen No..

Set [LS31] for the Word Address (the same address as U tag and [7] for the Window Registration No..

Check [Direct Selection] and [Cursor Display].



(4) Set the display position of the Sub Screen.

After completing the Sub Display Settings, click the [OK] icon, \bigoplus will appear. Place \bigoplus on the position desired to display the Sub Screen. The position where \bigoplus has been placed overlaps with the upper-left part of the called Sub Screen.

Sort Line Error Log		NAME: (1.2)	34567	HH : EM
Alarn Display Order Cha	nse Ot	ag Opera	tion SW	
Occurrence Date(Time Times		Start Ack.	178	Errors!!
Cumulative Service Severae		Eod ArX. Del.	Down	
Error Details m/d	Trigger Act Time Tim	k,Recovery ne Time Ti	men Cumulati Time	ve Level
Message nm/ds	Teig Ack	Rec Mul	Accumia	Lev
		╡╞╡╞		

(5) Open the base screen ,[B303].



(6) Open X tag Settings to call the text screen.

At first, open the base screen, [B303].



(7) Set [Mode] of X tag.



(8) Set [Size/Style] of X tag.

Set [1x2(f)] for Display Size, [3] for No. of Display Lines, and [18] for No. of Display Char.

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _

Set Display Color as you like.

_ _ _ _ _ _ _ _ _ _ _ _ _ _ _

After setting them, click [OK].





(9) Place X tag on the screen. Place X tag on a likely position of the screen. After placing it, save it. Remedy 14567890121459 (10) Window-register X tag. Option Draw Chrl+O Chrl+S 1 Select [Window Registration] from [Screen] of the menu bar. Transfe Text Tabl Exit _____ Click [Add]. o Wit Char. Ke Auto: Ru Manual I 8100 810 810 312×060 360×139 U4 8301 8302 Erer Or Q tag A Surround the range to register as Window. The registered range is called as Sub Screen. _____ Set [7] for Registration No. and set [Description] as you like. 🗖 Add to List Registration No OK 4 X tag (Sub) Description _ _ _ _ _ _ _ _ _ _ No Scr 528×204 312×060 360×139 344×082 320×083 320×083 B100 Char. Key Auto. Run Manual Ru B10 B10 Click[OK]. Error Occu Q tag Alar B301 B302 <u>H</u>elp

