

## Work Reduction Utilizing Coordinate Specification on Enlarged Display Screens

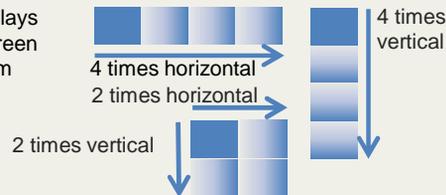
Issue No. 98 (July 2017)

Positions for display on screens with enlarged size\* and scroll settings can now be specified by coordinates.

Now you can speedily display target screen areas.

### \* What are enlarged screens?

Screens and overlap displays larger than the default screen size of the screen program can be registered.  
(Up to 4 times larger)

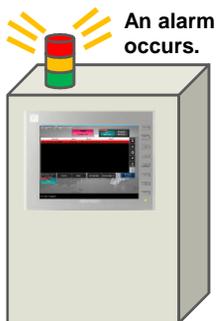


### Before

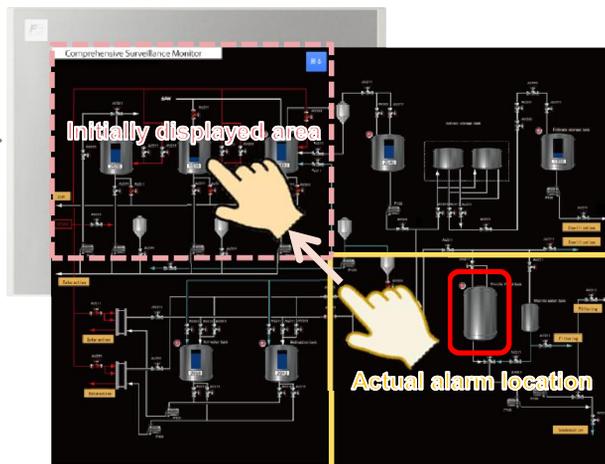
When an alarm occurs, scrolling is necessary to display the location of the alarm after switching to the system configuration diagram screen.

(1) Display the system configuration diagram screen to check the status.

(2) The upper left of the screen is displayed, requiring scrolling to reach the location of the alarm.



An alarm occurs.



Example screen: 2 times vertical and 2 times horizontal

Even though the configuration diagram is displayed on one screen, the necessary location can't be displayed immediately and scrolling is necessary.

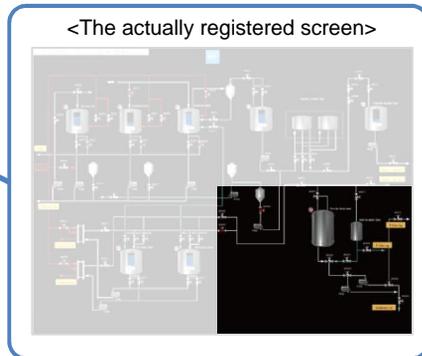


### After

Easily display the alarm location by specifying the display position (the X and Y start point coordinates) using device memory addresses!

(1) Select an alarm and switch to the system configuration diagram screen.

(2) The respective position is displayed according to the selected alarm.



Instantaneously display the relevant location!  
With no need for scrolling, operation time is reduced!

## Setting Example (based on the example on the front page)

### Overview

Specify the initial display position on the system configuration diagram screen according to the selected alarm.

In this example, the V9 series model is a V9100iC (resolution: 640\*480) and the registered screen size for the system configuration diagram is enlarged 2 times both horizontally and vertically (1280\*960).

### [Setting synopsis]

Alarm history (screen 5)



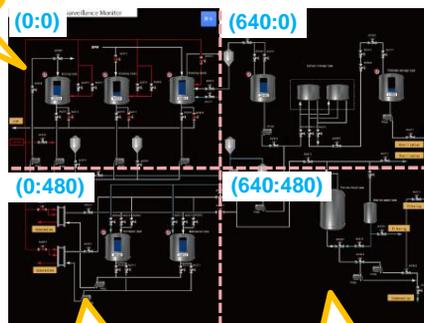
Screen changeover switch

<Relationship between messages and alarm numbers>

Alarm message	Alarm No.
Safety lever has been released.	0
Intruders detected.	1
Water temperature of the tank has reached to 60 deg.C.	2
S1 line has stopped.	3
Receive barcode #1.	4
Temperature of the tank A has reached to 50 deg.C.	5
ID:2578 - Sato entered.	6

Displayed for alarm numbers 0 to 3

System configuration diagram (screen 51)



Displayed for alarm numbers 4 and 6

Displayed for alarm number 5

### Setting Procedure

Configure settings in the following (1) to (3).

#### <Settings>

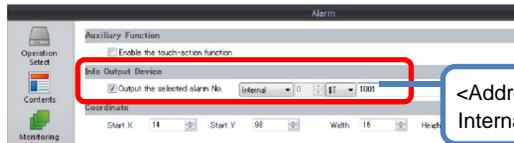
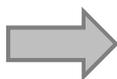
- Configure the screen size and coordinate device memory for the system configuration diagram screen at [Screen Setting] → [Screen Setting] → [Scroll].



<Allocation of coordinate device memory addresses>

[Coordinate Device] → Internal: \$u30010  
- X coordinate address: \$u30010  
- Y coordinate address: \$u30011

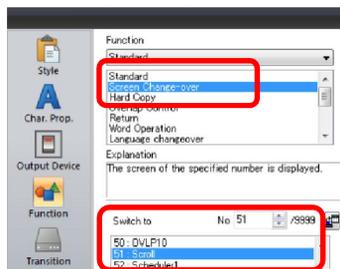
- Double-click the alarm item on the alarm history screen. Display the [Detail] menu on the alarm settings window, select the [Output the selected alarm No.] checkbox and set a device memory address.



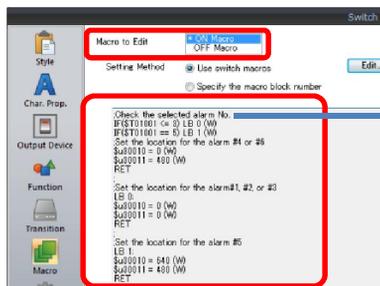
<Address for the selected alarm No.>  
Internal \$T1001

- Set the function (Screen Change-over) and macro to specify the display coordinates for the switch to display the system configuration diagram screen.

[Function] menu



[Macro] menu



<Example macro command>

```

0: Check the selected alarm No.
1: IF($T01001 <= 3) LB 0 (W)
2: IF($T01001 == 5) LB 1 (W)
3: Set the location for the alarm #4 or #6
4: $u30010 = 0 (W)
5: $u30011 = 480 (W)
6: RET
7:
8: Set the location for the alarm#1, #2, or #3
9: LB 0:
10: $u30010 = 0 (W)
11: $u30011 = 0 (W)
12: RET
13:
14: Set the location for the alarm #5
15: LB 1:
16: $u30010 = 640 (W)
17: $u30011 = 480 (W)
18: RET
19:
    
```

The enhanced enlarged display function contributes to work reduction by cutting operation time!

