Chapter 5

Operation/Guide Screen

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5.1

Operation/Guide Screen

Operation/Guide Screen

This screen operates switches like Run or Stop of a device and overlapping display of the operation guide window.

When the operation guide is not displayed,

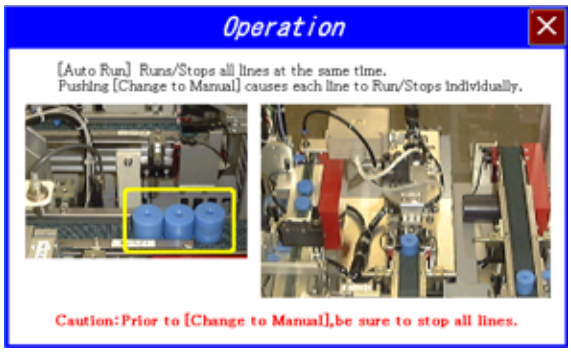
When the operation guide is displayed,

① These are the switches that operate Run/Stop of all lines. (P.5-5 for details)

② These switches operate Run/Stop of each line individually. (P5-5 for details)

③ This is the switch that displays the Operation Guide.

④ The Operation Guide will appear in a window.

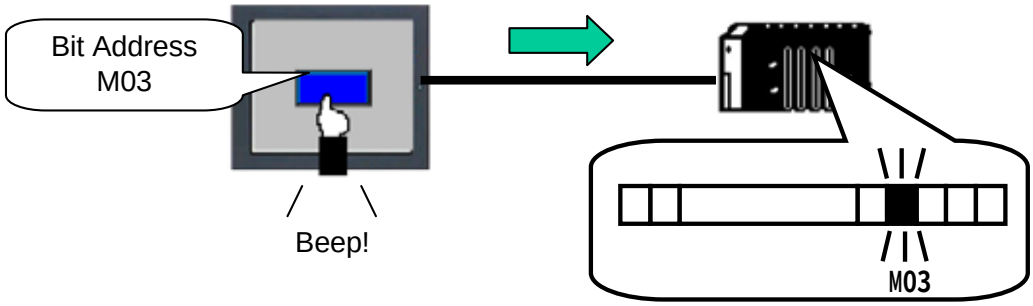


5.2

Bit Operation

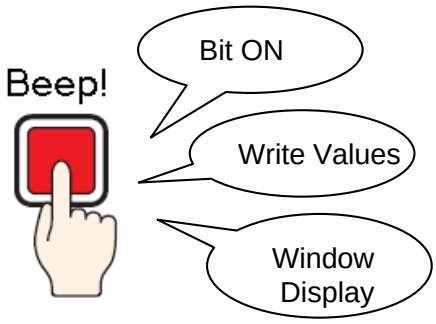
How to operate on a Bit (Configuring Bit Switch)

Touch the switch to operate on the PLC's bit address.



Hint!

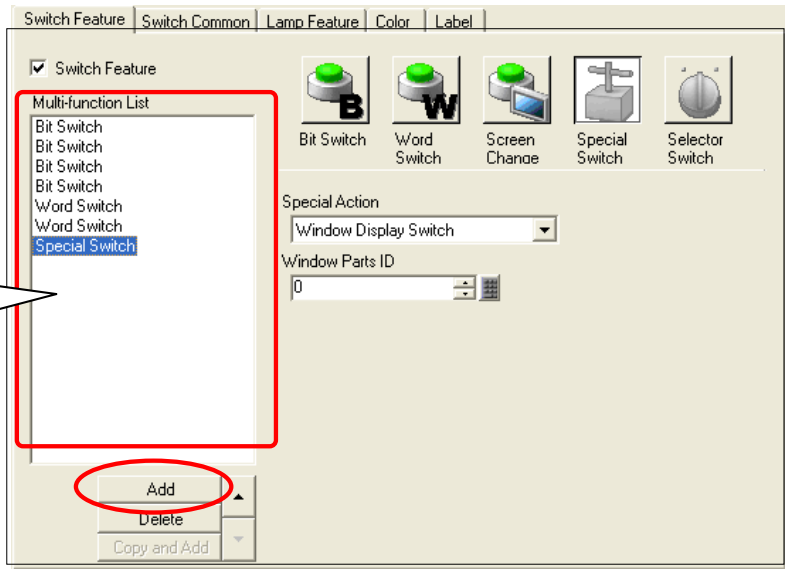
Multifunction Switch



Touching one switch can execute various operations at the same time.

For example, it's possible to create a multi-functional switch that operates ON/OFF of a bit address, writes values to a word address, changes screens, and calls a window at one time.

Up to 16 touch functions can be added.



Let's create an automatic Run switch.

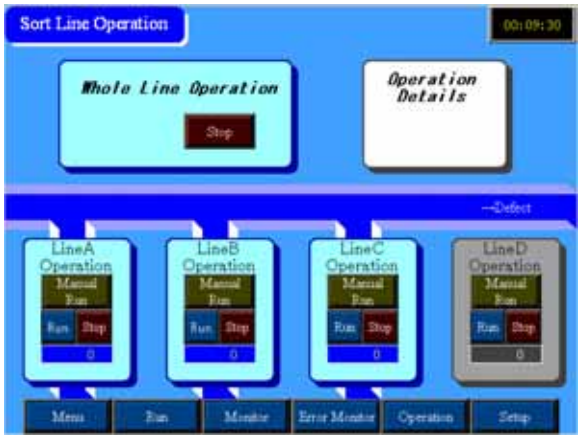
Let's create a switch that operates PLC's bit addresses.

[Setup Flow]

1. Open the base screen [B5].
2. Place/Configure a Bit Switch.

Open the base screen [5].

[For Exercise]

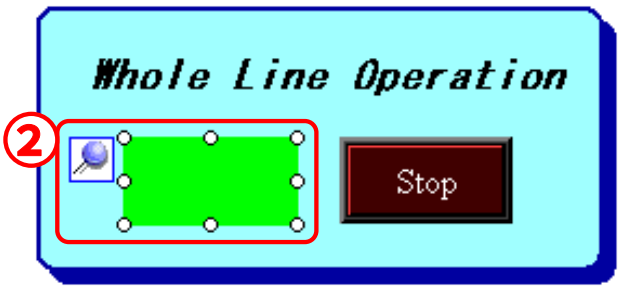


[Completed]

(1) Selecting/Placing the switch

① Click the [Switch] icon from the Tool Bar.

② Drag the pointer for the range of placement.

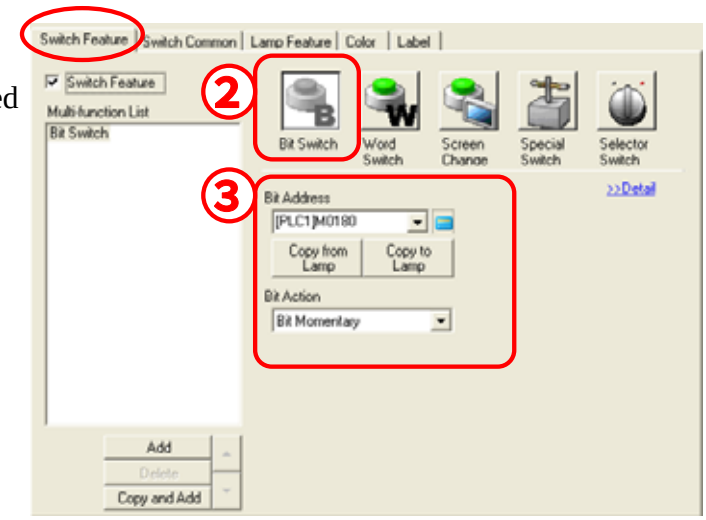


(2) Switch Feature

① Double-click the switch just placed to open the dialog box.

② In the [Switch Feature]tab, select [Bit Switch].

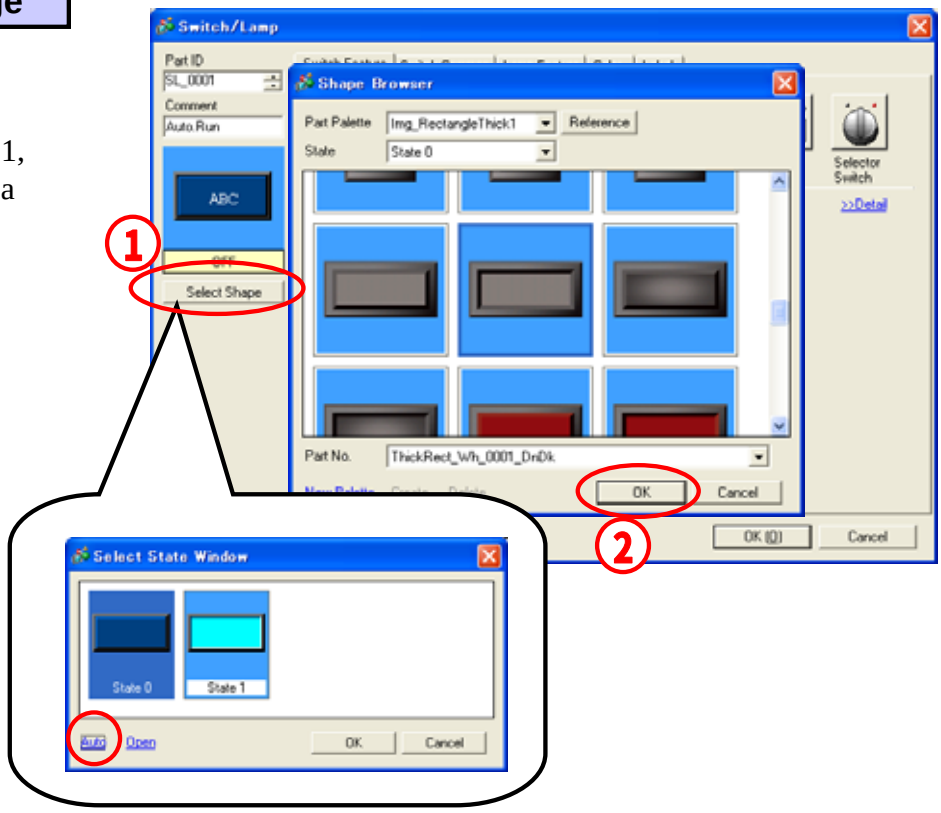
③ Set [M180] for Bit Address and [Bit Momentary] for Bit Action.



(3) Selecting an Image

① Click [Select Shape].
For each of State 0 and 1, click [Open] and select a picture you like.

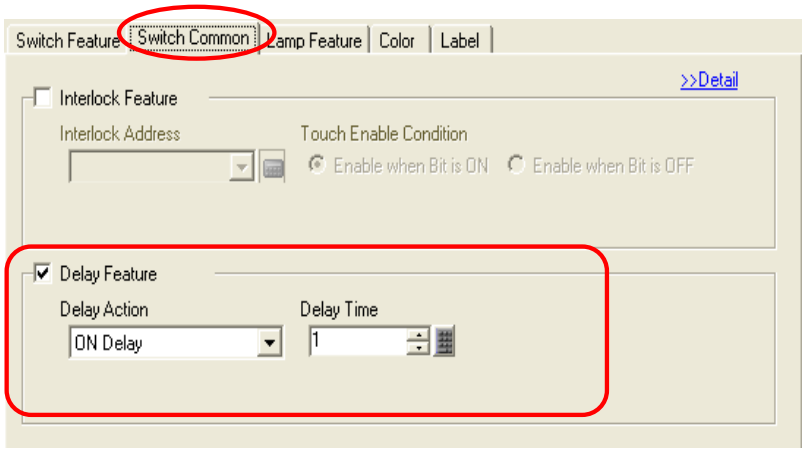
② Click [OK].



(4) Switch Common

Check [Delay Feature] in the [Switch Common] tab.

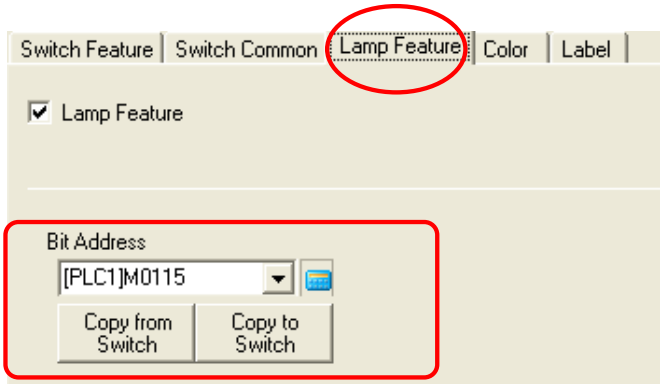
Set [ON Delay] for [Delay Action] and [1] for [Delay Time].



(5)Lamp Feature

Check [Lamp Feature] in the [Lamp Feature] tab.

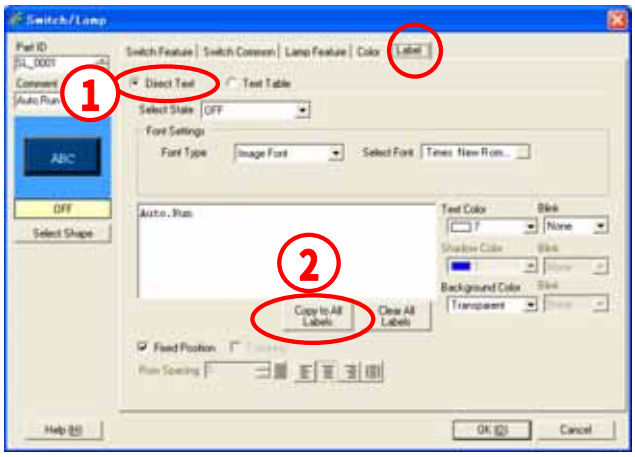
Set [M115] for Bit Address.



(6) Label

① Select [Direct Text] in the [Label]tab.

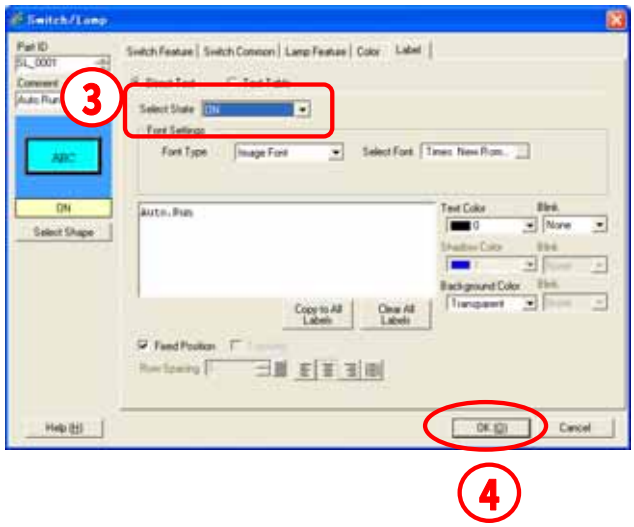
② Enter [Auto.Run] for the Label.
Click [Copy to All Labels].



③ Confirm that the same label is written on both the ON and OFF states in Select State.

Set the font and the color as you like.

④ Click [OK].



Hint!

ON Delay Feature

The switch's action is executed after it is pushed for the specified number of seconds.
This is one mechanism for increasing safety and operational function of the device like the Interlock Feature.

*For the Interlock Feature, see Chapter 1.
*For the relationship of each bit action, refer to the practice ladder program in the appendix.

5.3

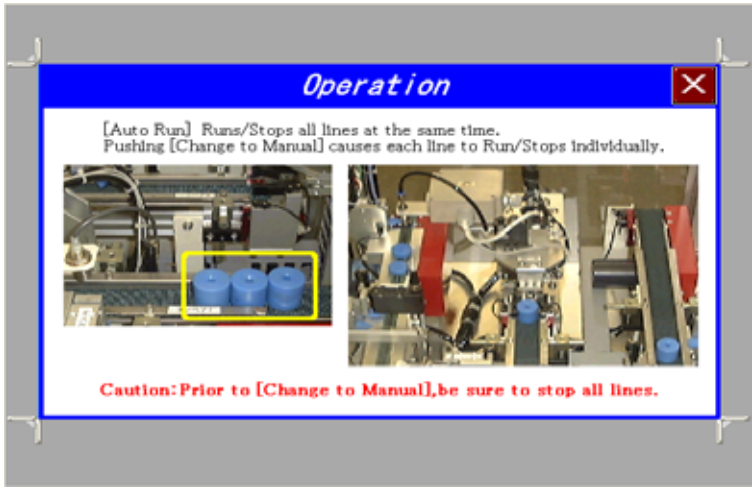
Window Display

Window Display Method

For the Window Display, first create a picture to be called on the window screen. Next, place the window on the screen at destination position.

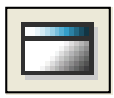
Window Display Settings Procedure

① Create a Window Screen.

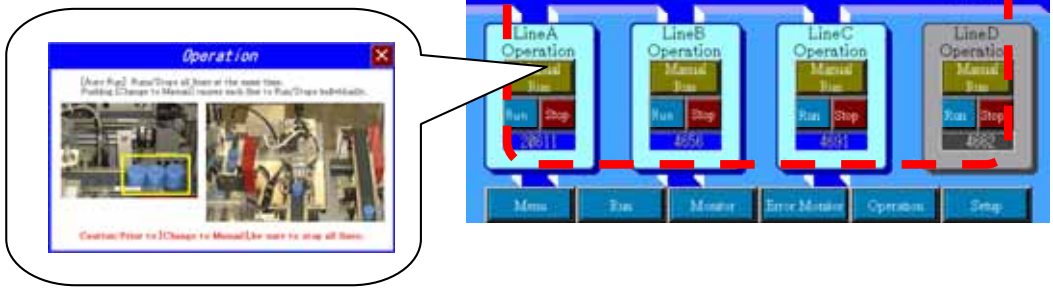


② Place the Window on the base screen at destination of Call.

From the Tool Bar,
Select [Window].



Window



* When calling the window manually, place the switch to call the window.

Let's display the Operation Guide.

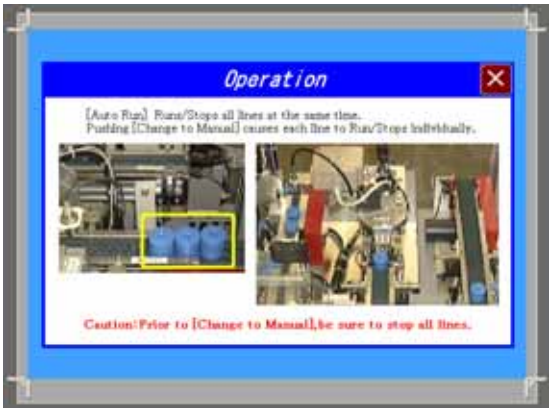
Let's create a window screen and display it on the base screen.

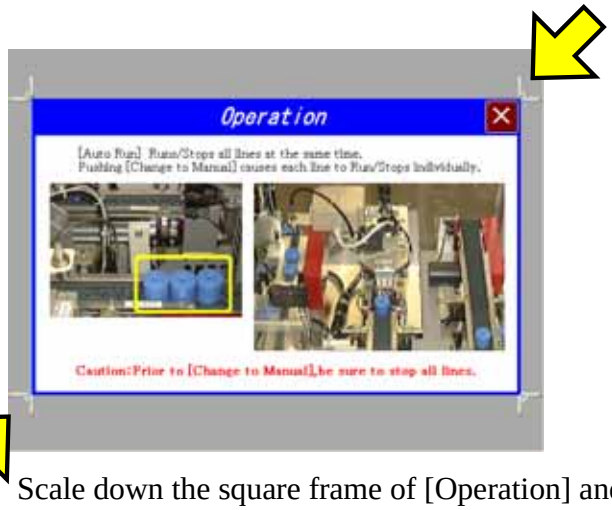
[Setup Flow]

1. Create the window screen [1].
2. Open the base screen [B5].
3. Place/Configure the window.

(1) Creating the window screen

Open the Window Screen [1:Guide].

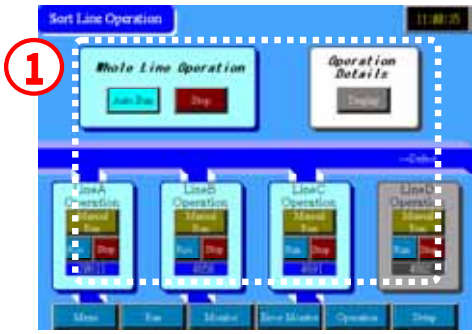




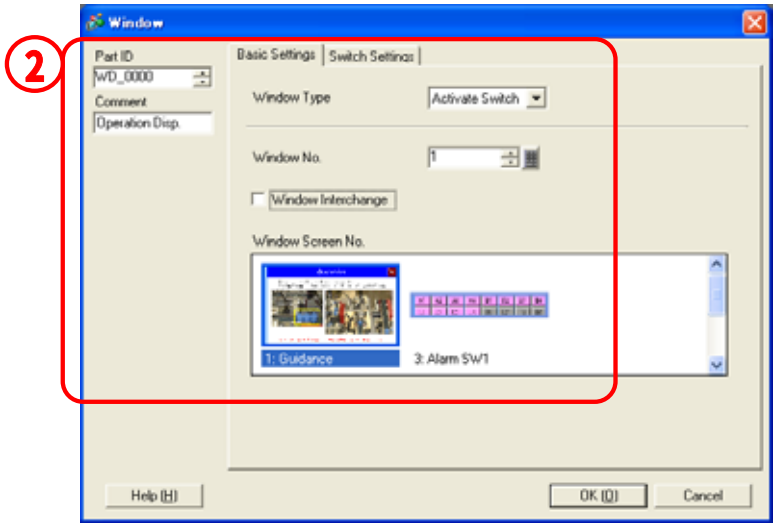
Scale down the square frame of [Operation] and decide the size of the window and save it.

(2) Placing the window

① Open the base screen [5] and select the window from the Tool Bar and place it by dragging.



② Make the following settings;
Parts ID [WD_0000]
Window Type [Activate Switch]
Window No. [1]
Window Interchange not checked

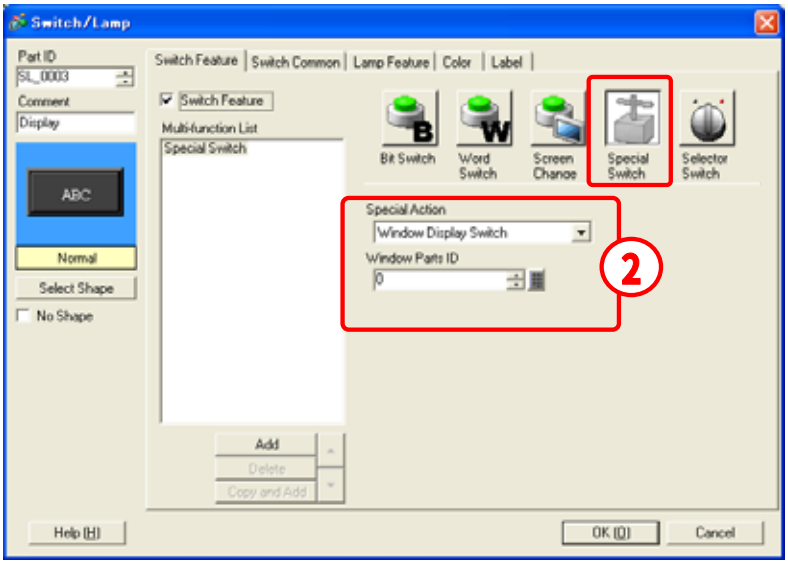


(3) Setting Window Display Switch

① From the Tool Bar, select [Switch] and drag to position it as shown in the picture at right.

② Select [Special Switch] and then [Window Display Switch].
Set [0] for Window Parts ID.

For the others, select the desired picture from Select Shape and enter [Display] for the label.

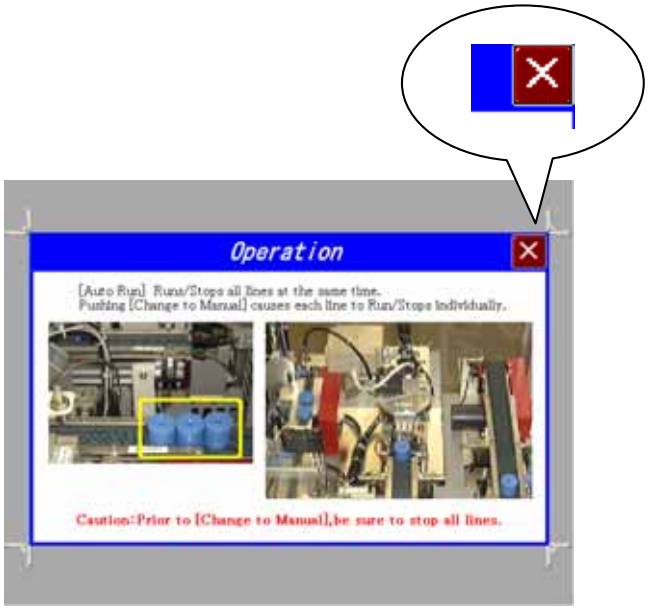


Hint!

Window Delete Switch

The window display switch alternates Display/Non-display of the window with the same ID at every touch.

In the exercise, another switch with the same ID has already been placed in the position as shown in the picture at right.



Caution

Touch is disabled on switches hidden under the window.

Be careful with the placement position of any switch needed during window display so that it is not covered by the window.