

Chapter 5

Set Value Input Screen

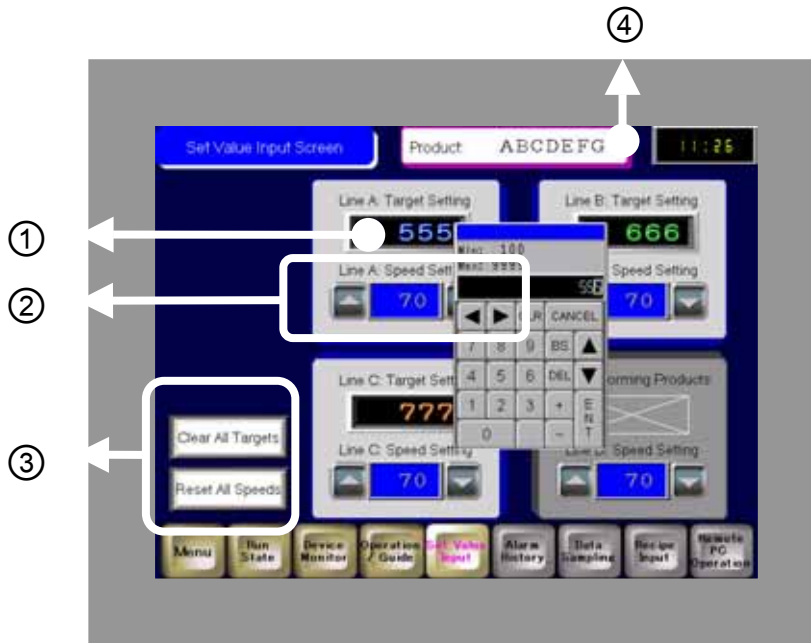
| | |
|--|------|
| Set Value Input Screen | 5-1 |
| Let's Enter Target Value | 5-2 |
| Let's Add/Subtract Speed Data | 5-5 |
| Let's Set Multiple Features to Single Switch | 5-9 |
| Let's Enter Product Name | 5-13 |



Set Value Input Screen

Instruction

The set value input screen is a screen to enter several kinds of set values of the machine. This chapter explains about data displays to enter values or text data in using a popup keyboard or numeric keypad on the touch panel and switches to adjust data.



- 1) Enter data directly using a numeric keypad.
(→ See page 5-2.)



- 2) Adjust data by touching switches.
(→ See page 5-5.)



- 3) Clear the target values and speeds of all lines by touching switches.
(→ See page 5-9.)



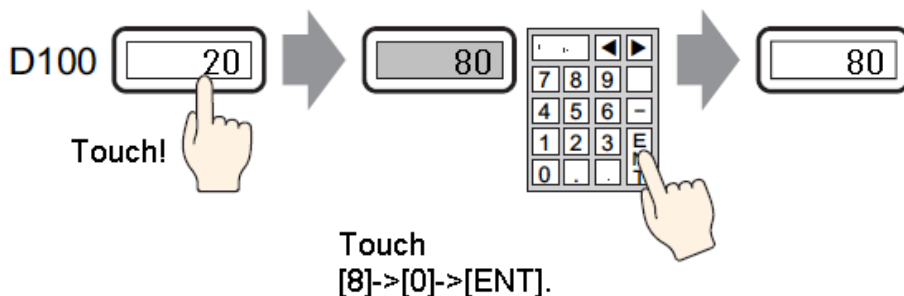
- 4) Enter text data directly using a numeric keypad.
(→ See page 5-13.)





Let's Enter Target Value

To enter numeric data from a popup keyboard, use the "Data Display: Numeric Display" feature.



<Practice Screen>



<Completed Screen>



(1) Select/Place Data Display

1) Click the [Data Display] icon on the tool bar.



2) Click the screen where to place the data display.

For the background plate, the B302 is called.



(2) Basic Settings

Select the placed data display and edit it in the Properties window as specified in the right figure.

1) Checking [Allow Input] allows you to enter numeric data from a numeric keypad. Here, check [Allow Input].

2) Open the [Font] and set it as follows:

| Font | |
|-------------|-------------|
| Font Type | Bitmap Font |
| Model | Neon |
| Color | Blue |
| Font Width | 20 |
| Font Height | 20 |

Standard Font

Allows you to change the font size by 8 pixels, for example, 8 x 16, 16 x 16.

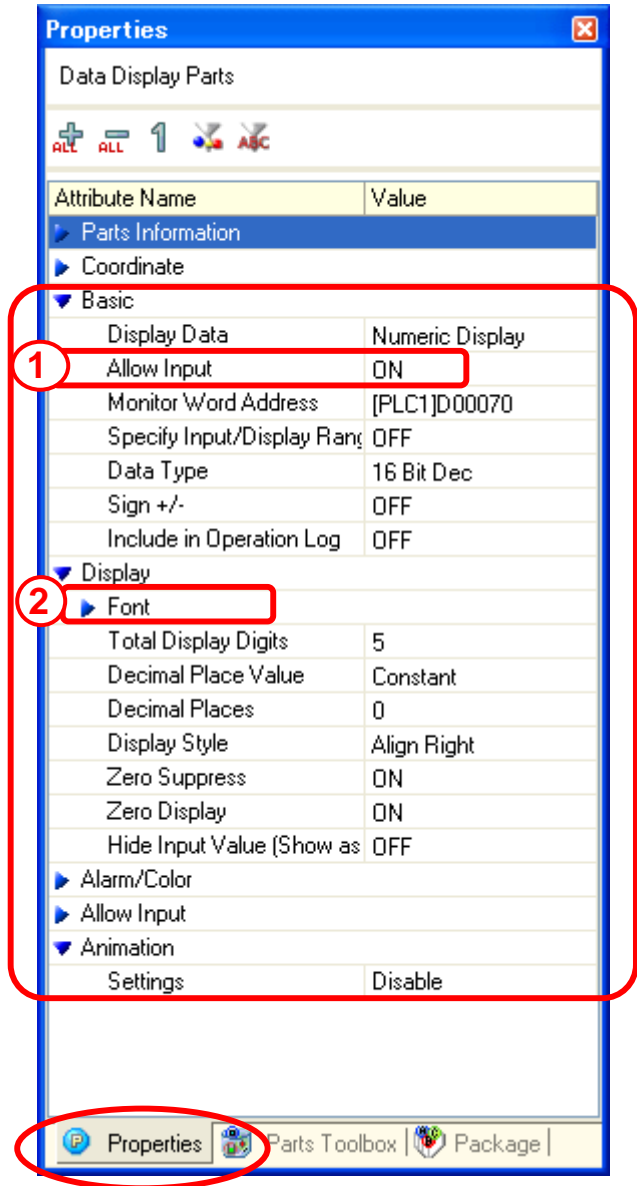
Stroke Font

Displays values within the range of 6 to 127 dots.

Bitmap Font

Vivid neon-styled or LED-styled display is possible.

Example

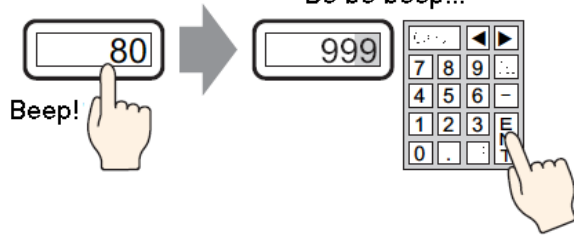


★ One Point

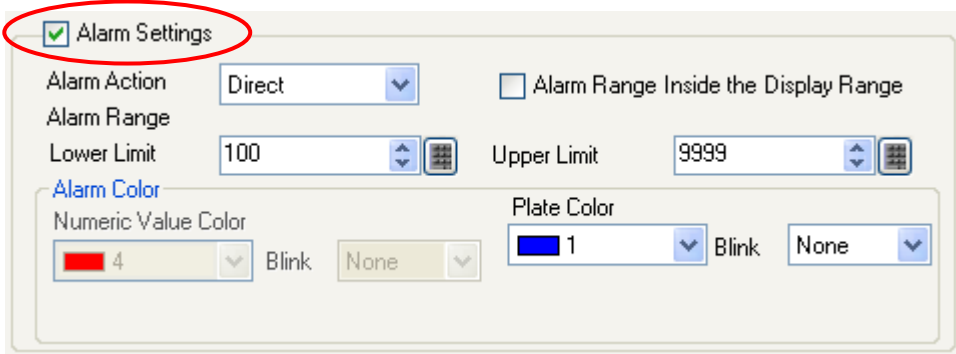
Set the input range (Alarm Settings)

Set the value range between 0 and 100 to alert when a value out of the range is entered.

- 1) Check [Alarm Settings].
- 2) Set "Direct" from [Alarm Action].
- 3) Set [Lower Limit] to "0" and [Upper Limit] to "100" for [Alarm Range].



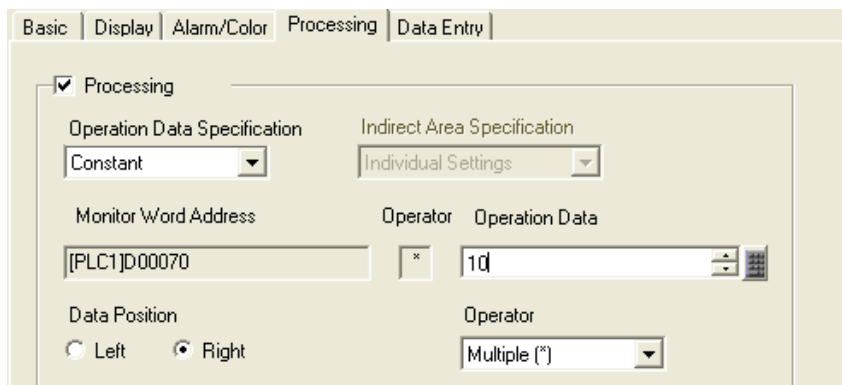
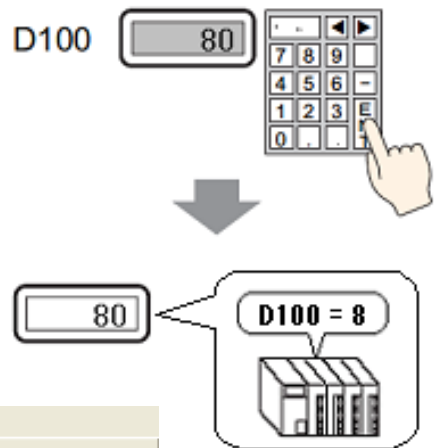
In case that the value is changed from a PLC program, the value is displayed even if it is out of range.



Operate the input value (Operation Processing)

Divide an input value by 10 and store it in the device/PLC.

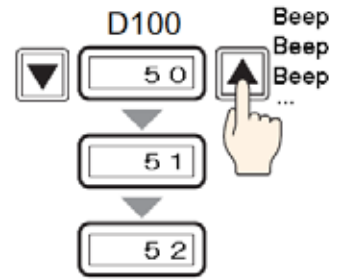
- 1) Check [Processing].
- 2) Set "Constant" for [Operation Data Specification].
- 3) Select "Multiple (*)" for [Operator].
- 4) Specify "10" in [Operation Data].



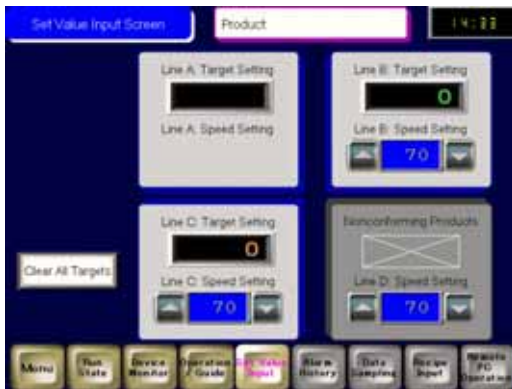


Let's Add/Subtract Speed Data

To add or subtract set value data, use the "Switch: Word Switch". It allows you to adjust data by adding or subtracting data from a reference value.



<Practice Screen>



<Completed Screen>



[Setup Procedure]

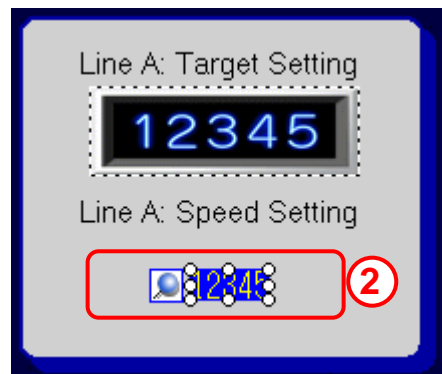
1. Open the base screen "5".
2. Select, place, and set the Data Display: Numeric Display.
3. Select, place, and set the Switch Lamp: Word Switch.

(1) Select/Place Data Display

1) Click the [Data Display] icon on the tool bar.



2) Click the screen where to place the data display.



(2) Basic Settings

Select the placed data display and edit it in the Properties window as specified in the right figure.

Standard Font

Allows you to change the font size by 8 pixels, for example, 8 x 16, 16 x 16.

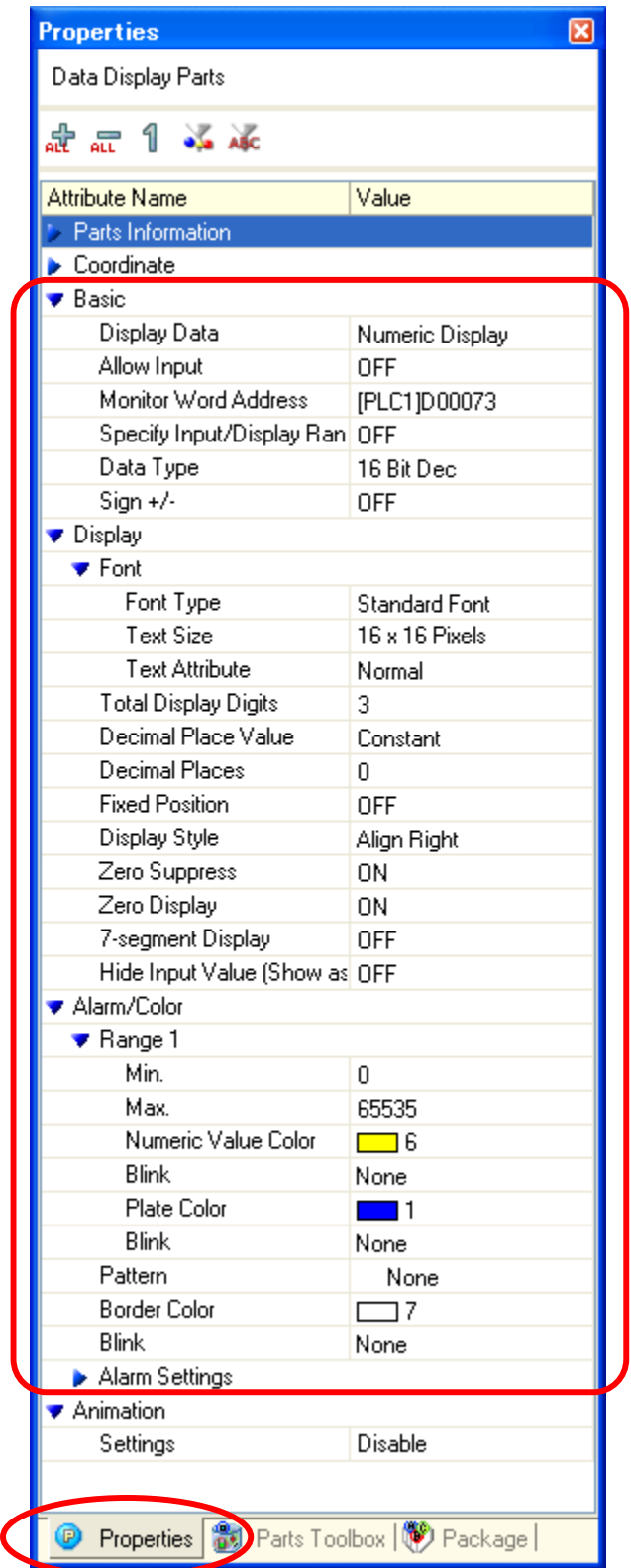
Stroke Font

Displays values within the range of 6 to 127 dots.

Bitmap Font

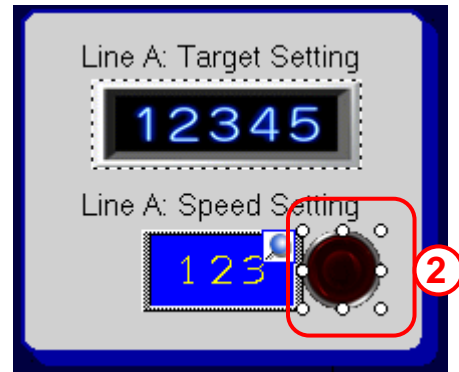
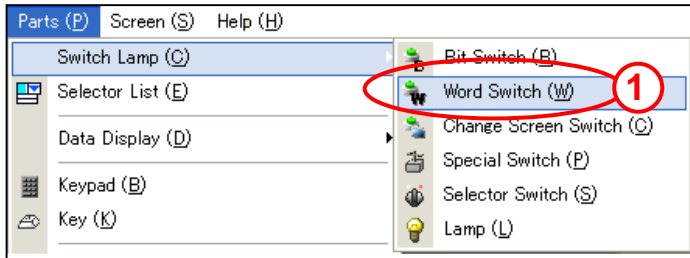
Vivid neon-styled or LED-styled display is possible.

Example



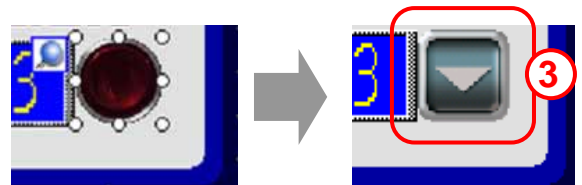
(3) Select/Place Switch for Subtraction

1) Select the Parts menu -> Switch Lamp -> Word Switch.



2) Drag the range to place the switch.

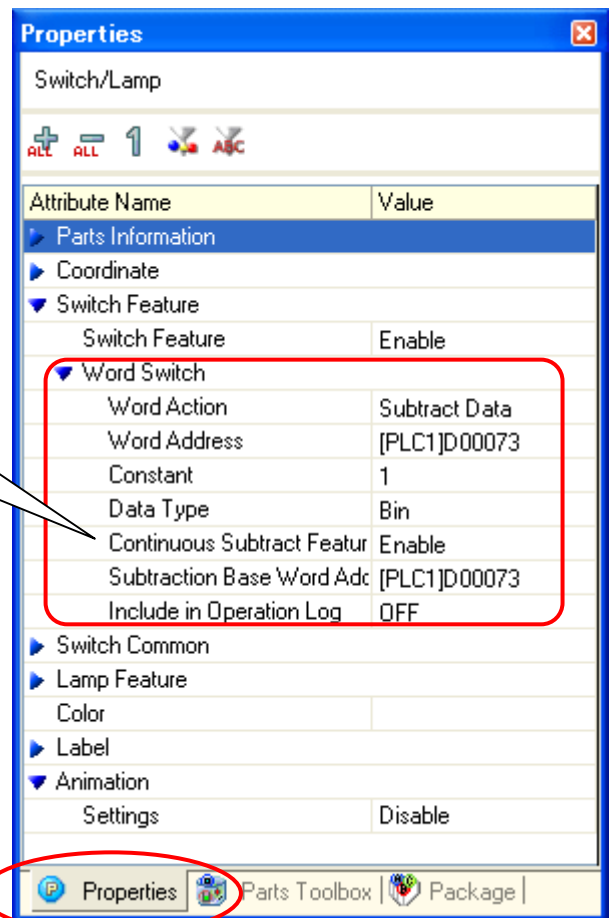
3) Change its shape in the dialog box or by the Copy Part Shape feature.



(4) Switch Feature

Select the placed word switch and edit it in the Properties window as specified in the right figure.

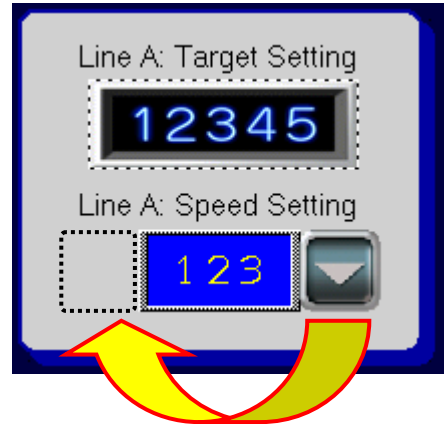
[Continuous Subtract Feature] enables you to subtract data continuously while touching the switch.



(4) Select/Place Switch for add

1) Copy and paste the switch on the left.

Ctrl “Ctrl + drag” or “Ctrl + C/V” allows you to copy.

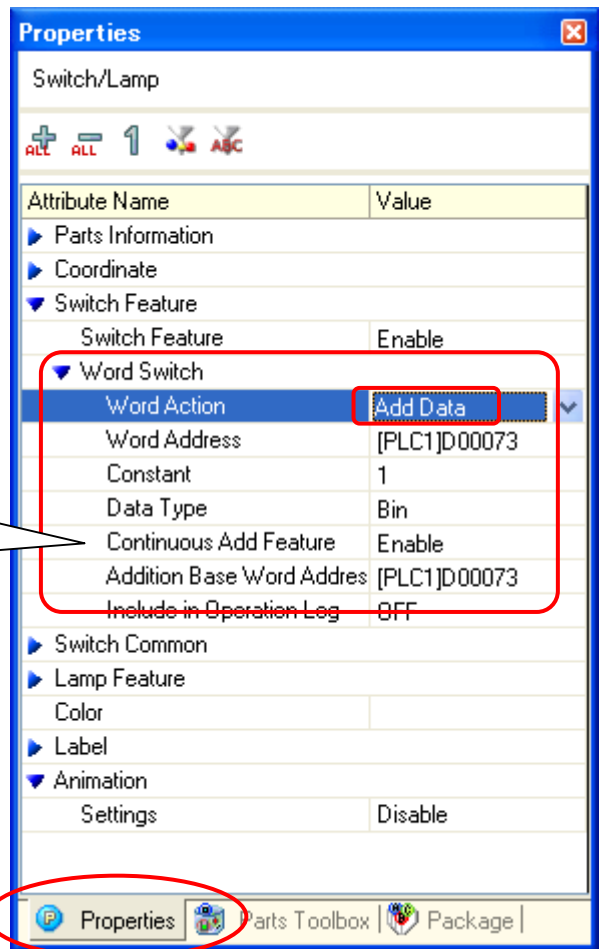


2) Change its shape in the dialog box or by the Copy Part Shape feature.



3) Edit it in the Properties window as specified in the right figure. (Change from “Subtract Data” to “Add Data”)

[Continuous Add Feature] enables you to add data continuously while touching the switch.

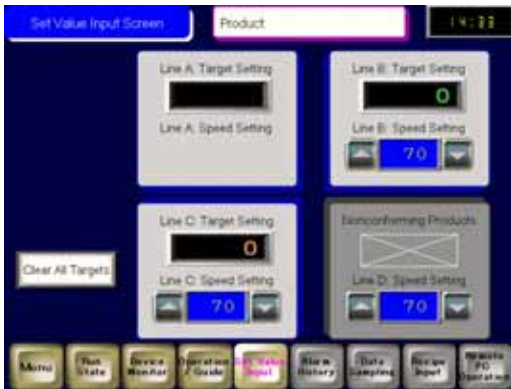


✓ Practice **Let's Set Multiple Features to Single Switch**

Let's clear target values of all lines at one time!



<Practice Screen>



<Completed Screen>

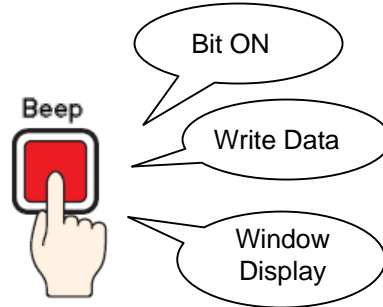


- [Setup Procedure]
1. Open the base screen "5".
 2. Set and place a switch/lamp.

★ **One Point**

Multi-function Switch

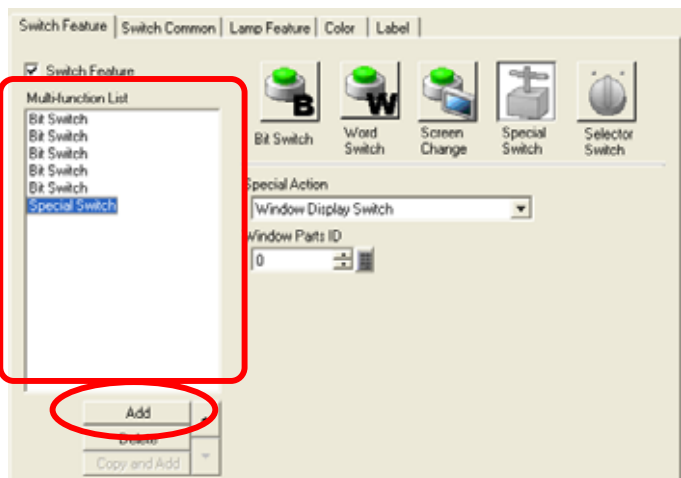
A multi-function switch is a switch that operate various actions at once. It can include bit operation, work operation, screen change, window call, etc. at the same time.



Up to 16 switch features can be set in the multi-function list.

These features are executed in descending order in the list.

[Change Screen Switch] and [Special Switch] cannot be set in the same list. Either one can be set in the list.

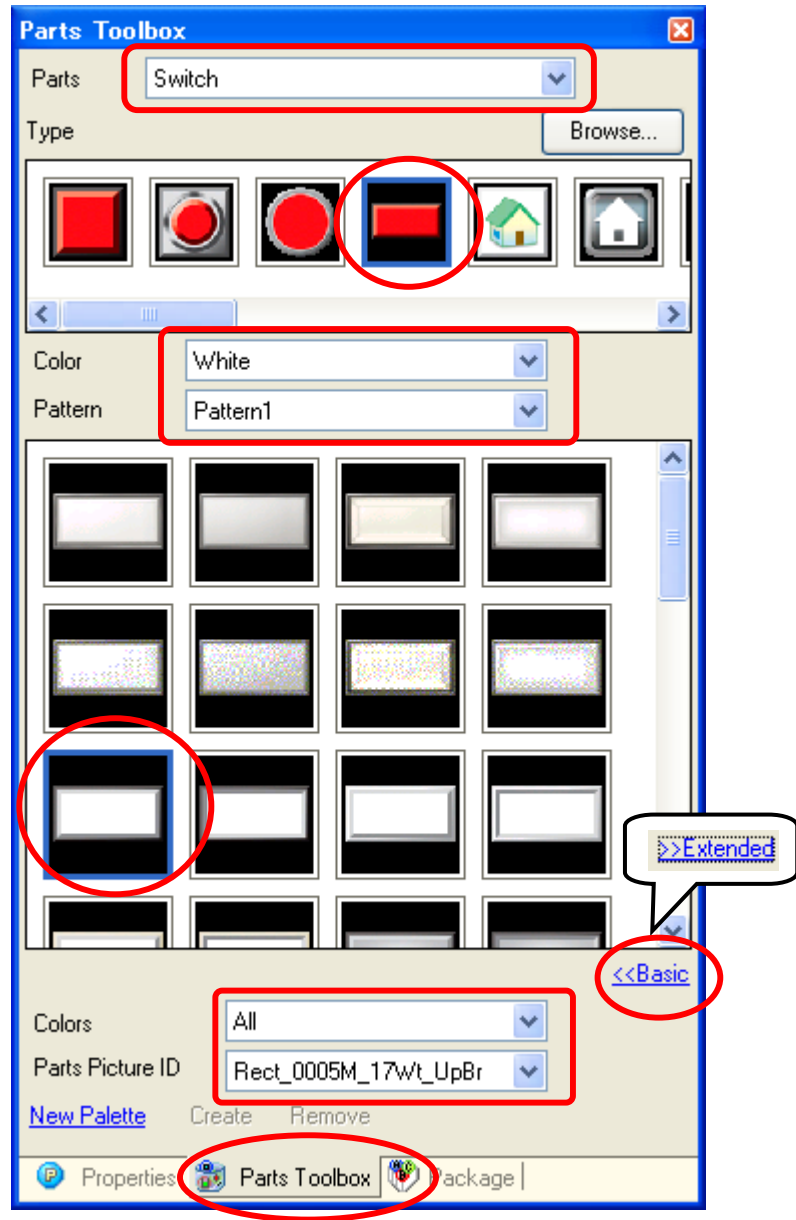


(1) Select/Place Switch

- 1) Open the base screen "5".
- 2) Select a shape from the Parts Toolbox as specified in the right figure and drag and drop it on the base screen.

To show the Colors and Parts Picture ID, click [Basic].

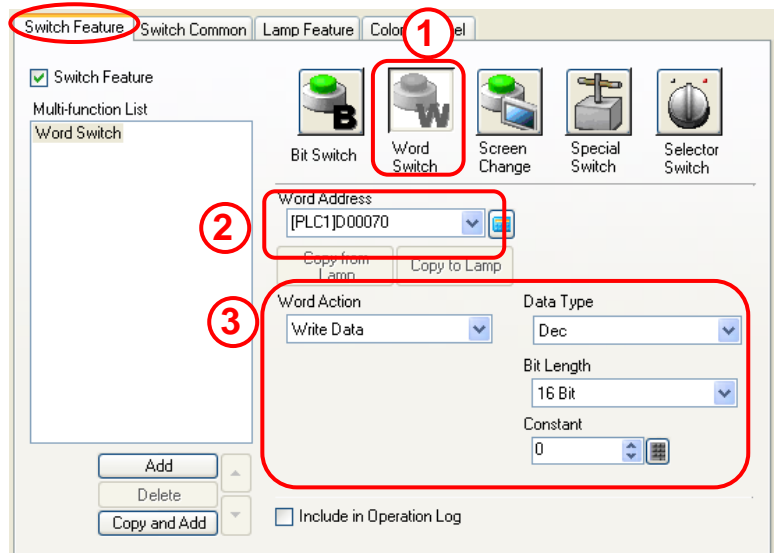
Example



(2) Switch Feature <1>

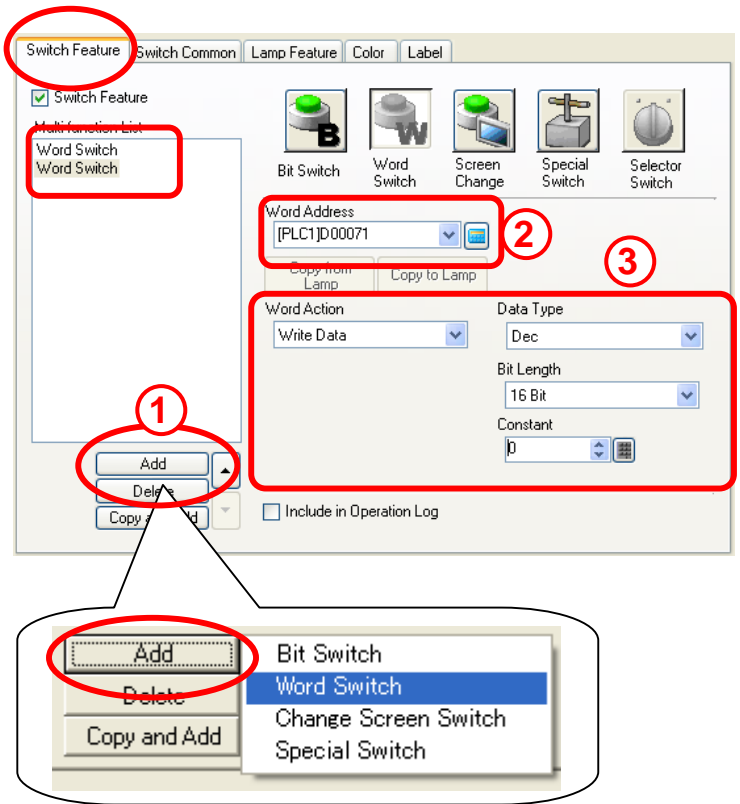
- 1) On the [Switch Feature] tab, select [Word Switch].
- 2) Set [Word Address] to enter data in. Here, set it to "D70".
- 3) Set the action of the switch. Here, set as below.

Word Action: Write Data
 Data Type: Dec
 Bit Length: 16 Bit
 Constant: 0



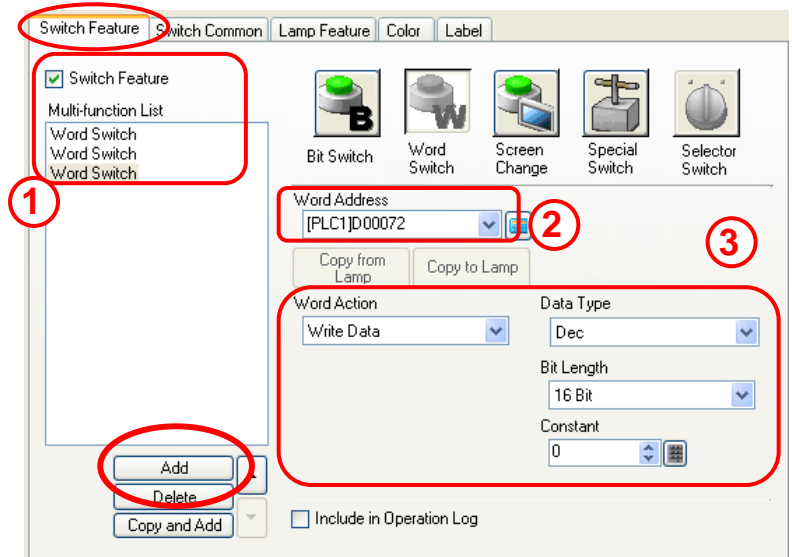
(3) Switch Feature <2>

- 1) Click [Add] under the Multi-function List window.
Select a switch feature to add.
Here, select [Word Switch].
- 2) Set [Word Address] to enter data in. Here, set it to "D71".
- 3) Set the action of the switch.
Here, set as below.
Word Action:
Write Data
Data Type: Dec
Bit Length: 16 Bit
Constant: 0



(4) Switch Feature <3>

- 1) Add another [Word Switch] in the same way.
- 2) Set [Word Address] to enter data in. Here, set it to "D72".
- 3) Set the action of the switch.
Here, set as below.
Word Action:
Write Data
Data Type: Dec
Bit Length: 16 Bit
Constant: 0



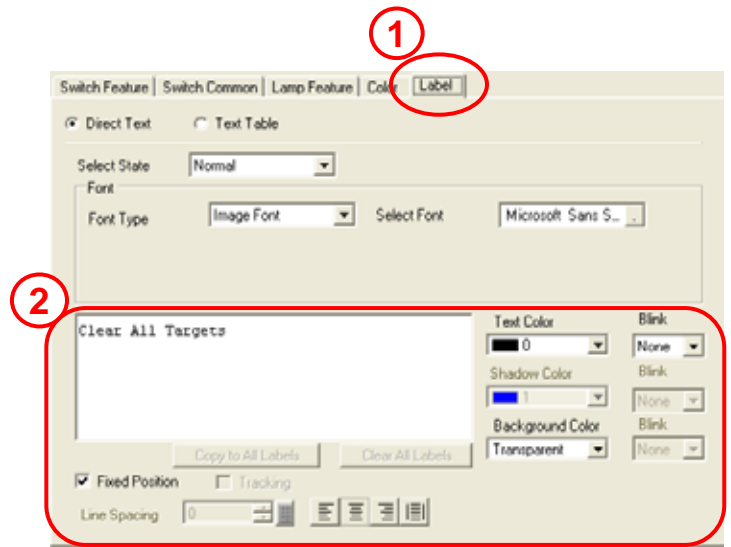
(7) Label

1) On the [Label] tab, select [Direct Text].

2) Enter "Clear All Targets".

Set the font and colors as you like.

3) Click [OK] to finish the settings.



Example



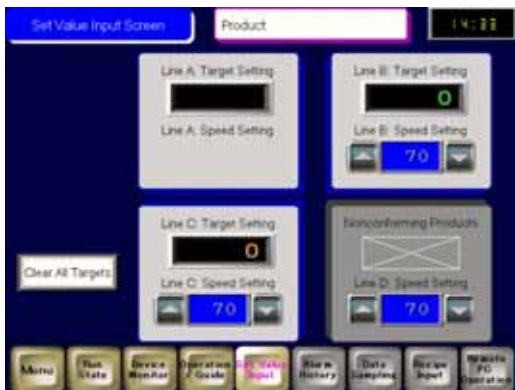


Let's Enter Product Name

To enter text data from a popup keyboard, use the "Data Display: Text Display (Allow Input)" feature.



<Practice Screen>



<Completed Screen>



- [Setup Procedure]
1. Open the base screen "5".
 2. Select, place, and set the Data Display: Text Display.

(1) Select/Place Data Display

1) Click the [Data Display] icon on the tool bar.



2) Click the screen where to place the data display.



(2) Change Attribute

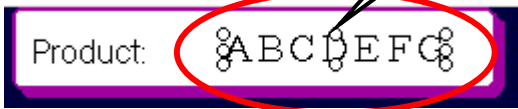
- 1) Select the placed data display and edit it in the Properties window as specified in the right figure.

Set the Allow Input ON

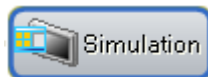
In the [Monitor Word Address] field, set a top address which stores text data to display.

- 2) Drag the handle and adjust the size of the part.

Example



Check the performance in the Simulation mode.

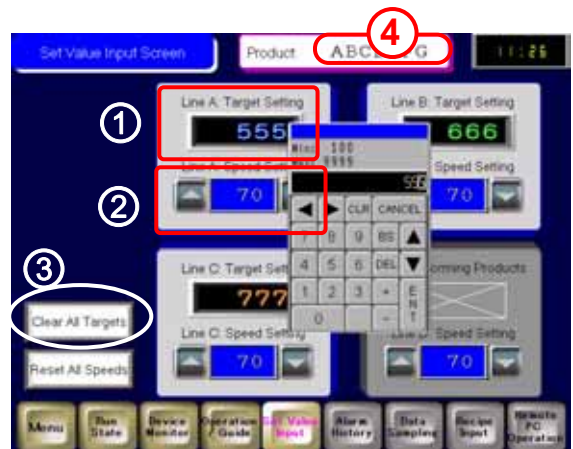


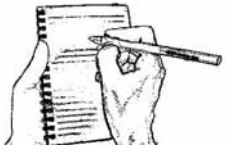
Or F12 key

| Attribute Name | Value |
|-----------------------------------|----------------|
| Display Data | Text Display |
| Allow Input | ON |
| Monitor Word Address | [PLC1]D00060 |
| Include in Operation Log | OFF |
| Font Type | Standard Font |
| Display Language | ASCII |
| Text Size | 16 x 16 Pixels |
| Text Attribute | Normal |
| Display Characters | 7 |
| Fixed Position | OFF |
| Display Style | Align Left |
| Hide Input Value (Show asterisks) | OFF |
| Text Color | 0 |
| Blink | None |
| Plate Color | 7 |
| Blink | None |
| Pattern | None |

<Completed Screen>

- 1) Touch the data displays and change the target values from the popup keyboard.
- 2) Change the speed values with addition and subtraction switches.
- 3) Clear the target values of all lines.
- 4) Touch the data display and enter a product name from a popup keyboard.





MEMO