## Chapter 8 Animation Screen

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# 8.1

### Animation Screen



#### What is the Animation Screen

Switch pictures or display moving objects according to the bit (ON/OFF) condition of a device.



Display the open and close movements of pusher according to the bit address changes.

(->refer to P8-6 for details.)



Display the object (mark) movement according to data changes.(->refer to P8-10 for details.)



Display movements of an object (picture or illustration) according to data changes. (->refer to P8-15)

## 8.2

### Animation Display



\* Display settings will differ depending on the type of pictures called. (package, base screen, image, mark).

\* In this chapter, the ON/OFF Display and Moving Display are used for practice.



Use the "ON/OFF Display" feature of a Picture Display.

When the monitoring bit is turned ON,...



#### Position/Setting Procedure

Prepare a picture you want to display.

· Create the picture on a base screen.

• Register the picture in a package. (This allows a picture to be used in various types of GP units.)

• Register a picture in an image. (convert BMP or JPEG file.)

• Create the picture as a mark.



Place and set up the Picture Display.



Click [New] to name a package as preferred.

\* Give the name "Original" to this practice data.

| 💋 Pack   | age List              |              | ×     |
|----------|-----------------------|--------------|-------|
|          | Name                  | Creation Dat | e 🔺   |
| DEC Ke   | yboard                | 2005/05/27   |       |
| HEX Ke   | New Package           | ×            |       |
| Text(AB  |                       |              | 1     |
| Text(QV  | Input a package name. |              |       |
| Text(AB  |                       |              |       |
| Text(QV  | New                   | Cancel       |       |
| Text(KA  |                       |              |       |
| Text(KA  | NA2/JPN) Keyboard     | 2005/05/27   |       |
| Small Di | EC Keyboard           | 2005/05/27   | ~     |
| New      | Open Delete           | Rename       | Close |

When the package window opens, select the pictures you created, drag and drop to register them.

Here, register each of the two pictures already prepared.

After registration, close the window.





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#### (3) Selecting/Placing a Picture Display

Click on the [Picture Display] icon from the toolbar.



Place the Picture Display on the screen.

#### (4) Basic Settings

Double click on the Picture Display.

Select [ON/OFF Display] from [Display Type] in the Basic settings.

Trigger Bit Address: Specify the bit address to trigger a display.

Screen Type: Select the screen type to display.

Select [Trigger Bit Address] to "M252" and [Screen Type] to "Package".







Use "Move display" (Mark) to move an image to a designated position according to a word address data.



#### Position/Setting procedure

Prepare an image (mark) to be displayed.



Click on the [Picture Display] icon.



Click on the screen to place it.



Double click on the picture display and then configure the settings.



\* For this practice data, the following pictures (marks) are already registered.





\* The settings will differ depending on the selected [Screen Type]. In this section, the settings for Mark are explained.

#### (4) Selecting pictures to move and display.

Click [Select Display].

Select Screen No. "4".

Click [OK].



#### (5) Move Settings

No. of Display Positions: Set up the No. of Display Points to move the mark. Here, set the number to "8".

| Basic Settings Move Settings Display Settings         |   |  |  |  |  |  |
|-------------------------------------------------------|---|--|--|--|--|--|
| Display Position Settings<br>No. of Display Positions | : |  |  |  |  |  |
| Data Type 💿 Bin 🔿 BCD                                 |   |  |  |  |  |  |

#### (6) Display Settings

#### Display Size:

Select the size of the mark from "Standard(48x48)" or "Compatible(40\*20).

**Display Color/Background Color/Blink:** Set a mark color and enable the blink feature.

Here, set [Display Size] to "Standard(48\*48)" and set [Display Color] and [Background Color] according to your preference.

Click [OK] to complete settings.

| Basic Settings Move Settings Display Settings |                                     |                         |   |       |      |   |  |  |  |
|-----------------------------------------------|-------------------------------------|-------------------------|---|-------|------|---|--|--|--|
| 2                                             | Display Size<br>Standard<br>(48*48) | C Compatible<br>(40*24) |   |       |      |   |  |  |  |
| ſ                                             | Display Color                       | 46                      | - | Blink | None | • |  |  |  |
|                                               | Background Color                    | 0                       | • | Blink | None | • |  |  |  |
|                                               | 🗖 Alarm Settings                    |                         |   |       |      |   |  |  |  |

8 - 13

OK(0)



#### (7) Designating a display position

Display positions are arranged from the left to right sequence as shown in the illustration.





Use a "Move Display (base screen/Image/Image CF)" to move a picture on a straight line (or outside of the range) according to the changes in a word address,



Arranging/Setting Procedure

 $\label{eq:prepare a picture you want to display (Base screen/Image/Image CF).$ 





Click on the screen to place the display.



Double click the display and configure settings.



\* A picture similar to the one on the right is registered in the image registration for the practice training.

Global D-Script Settings (L)

Extended Script Settings (<u>E</u>)

Image Registration (

Mark Registration (<u>M</u>)

Keypad Registration (<u>K</u>) Symbol Variable Settings (<u>V</u>)

le



Send Size:

6,878 byte

Close (C)

Blink

Compress





Adjust an image display position by dragging the mouse as in the illustration on the right.





