## 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)

## 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.

👏 Pacl	age List		×
	Name	Creation Date	^
DEC Ke	yboard	2005/05/27	
HEX Ke	New Package	×	
Text(AB			=
Text(Q\	Input a package name.		
Text(AB			
Text(Q\	New	Cancel	
Text(KA			
Text(KA	NA2/JPN) Keyboard	2005/05/27	
Small D	EC Keyboard	2005/05/27	~
Nev	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.





#### (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".



💰 Picture Display		X
Part ID PD_0002 Comment 2	Basic Settings Display Type ON/OFF Display ON/OFF Display State Display	Move Display CF ImageDisplay
3 Select Display	Trigger Bit Address [PLC1]M0252  Screen Type Package Specify Screen Constant Clear Color Display Color 0	Display Method DN/OFF Display Clearing Action Blink None  Blink None
Select State When OFF	Pattern No Pattern	
Help ( <u>H</u> )		OK ( <u>0</u> ) Cancel





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						
Data Type	D					

#### (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 Mov	e Settings Di	isplay Settings		
1	Display Size Standard (48*48)				
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.





