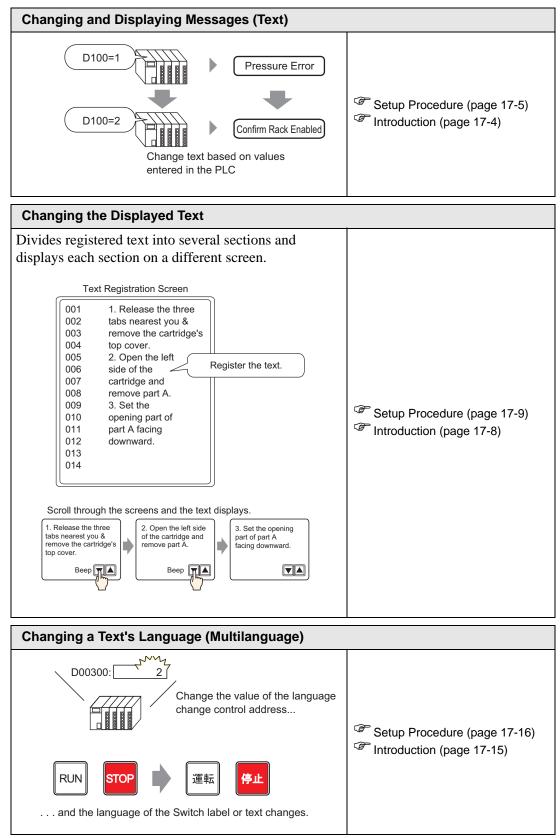
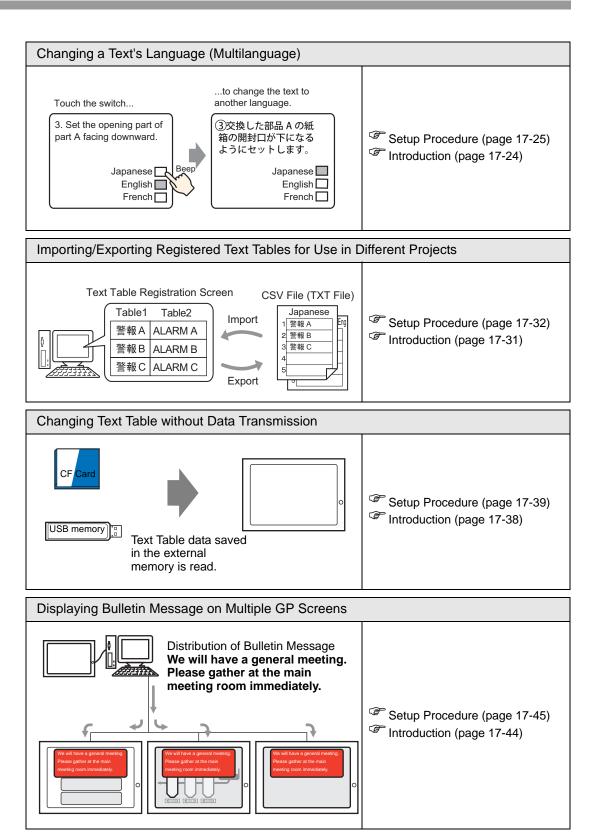
17 Displaying and Changing Text

This chapter describes how to display and change text in GP-Pro EX. Please start by reading "17.1 Settings Menu" (page 17-2), and then turn to the corresponding page.

17.1	Settings Menu	17-2
17.2	Changing and Displaying Messages (Text)	17-4
17.3	Changing the Displayed Text	17-8
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17.6	Importing/Exporting Registered Text Tables for Use in Different Projects	17-31
17.7	Changing Text Table without Data Transmission	17-38
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17.9	Settings Guide	17-47
17.10	Restrictions	17-94

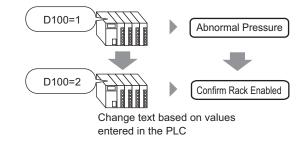
17.1 Settings Menu





17.2 Changing and Displaying Messages (Text)

17.2.1 Introduction

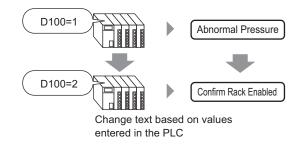


You can change messages according to the bit address ON/OFF state or based on changes in the word address value (0 to 15).

17.2.2 Setup Procedure

• Please refer to the Settings Guide for details. [©] "17.9.1 Message Display Settings Guide ■ Direct Input" (page 17-48)

For details of the part placement method and the address, shape, color, and label setting method, refer to the "Part Editing Procedure".
 "8.6.1 Editing Parts" (page 8-44)



- 1 From the [Parts (P)] menu, select [Message Display (M)] or click 💽 . Place the Part on the screen.
- **2** Double-click the new Message Display. The following dialog box appears.

💰 Message Display	×
Parts ID MO 0000	Basic Display Color Display Text Direct Input Text Display Bulletin Message Action Mode Address Bit PICC1JD00010.0 Color
Help (H)	OK (0) Cancel

- **3** Select the Data Display shape from [Select Shape].
- 4 In the [Mode] drop-down list, select the method for changing messages. (For example, Word)

Click the icon to display

5 In [Address], set the address (D100) to trigger the message display.

an address input keypad.	"100" as the a press the Ente			
Address [[PLc1]x00000 Click	✓ Input Address Device/PLC Device/PLC PLC1 D< 100 Back A B C D E F ✓ Set as Default Value	Clr 7 8 9 4 5 6 1 2 3 0 Ent	Address [[PLC1]D00100	

Select device "D", input

6 Click the [Display] tab. In the [Text Type] section, select [Direct Text].

💰 Message Display		x
Parts ID MD_0000	Base Display Color	_
	Text Type	
Comment	Direct Text O Text Table	
	Number of Messages Select State	
	2 Table 0 The stages Select State	
ABC	Font	
	Font Type Standard Font 💌 Size 8 x 16 Pixels 🗨	
Colort Share	Display ASCII Text Attribute Normal	
Select Shape	Language Hoom Attribute Horman	
	Register Message	
	Fixed Position Undefined	
	Alignment	
	E E E Copy Comment Copy to All Delete	
Help (<u>H</u>)	OK (Q) Cancel	

- 7 In the [Number of Messages] drop-down list, set the number of messages to display. (For example, 4)
- 8 Set the message Font Type, Size, and Display Language.
- 9 In the [Align] section, set the text position. (For example, Center)

10 Set the message for each state

In the [Select State] drop-down list, select [State 0] and type the message in the [Register Message] box. (If this box is left blank, the message displays nothing.)

Select State	Register Message
State 0	

11 In the [Select State] drop-down list, select [State 1] and type "Abnormal Pressure" in the [Register Message] box. (When State 1 is stored in [Address], "Abnormal Pressure" displays.)

Select State	Register Message
State 1	Abnormal Pressre

12 In the [Select State] drop-down list, select [State 2] and type "Confirm Rack Enabled" in the [Register Message] box. (When State 2 is stored in [Address], "Confirm Rack Enabled" displays.)

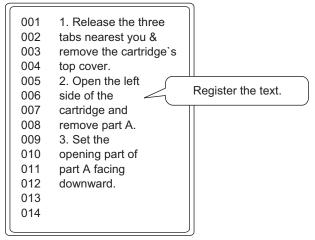
Select State	Register Message
State 2	Confirm Rack Enabled

- **13** As needed, set the Text Color and Plate Color for each state on the [Color] tab, and click [OK (O)].
 - If you select a message that has not been defined, the Message Display shows nothing. For example, if the number of message states is 16 and only states 0 to 3 have messages defined, states 4 to 16 display only the empty message frame.
 You can type up to 100 single-byte characters for each message. Any
 - characters over 100 are not displayed in the message.

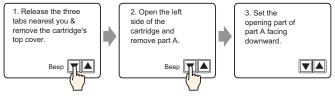
17.3 Changing the Displayed Text

17.3.1 Introduction

Text Registration Screen



Scroll through the screens and the text displays.



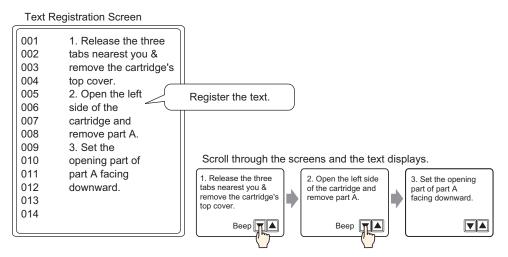
Displays registered messages on the screen.

You can display messages that are too large for a single screen by using a series of screens.

17.3.2 Setup Procedure

NOTE	• Please refer to the Settings Guide for details.
	^{CP} "17.9.1 Message Display Settings Guide ■ Text Display" (page 17-53)
	"17.9.2 Common (Text Registration) Settings Guide" (page 17-61)
	• For details of the part placement method and the address, shape, color, and
	label setting method, refer to the "Part Editing Procedure".
	[©] "8.6.1 Editing Parts" (page 8-44)

Displays registered text on the screen.



- 1 From the [Common Settings (R)] menu, select [Text Registration (T)] or click in the [New Text/Open] dialog box appears.
- 2 Set the text number and comment, then click [New]. The text input screen appears. For example, Number = "1", Comment = "Maintenance"

💰 New Text/	Open		×
New	C Open		
Number Comment	Maintenance		
		New	Cancel

3 The text input screen appears. Enter the text for the message.

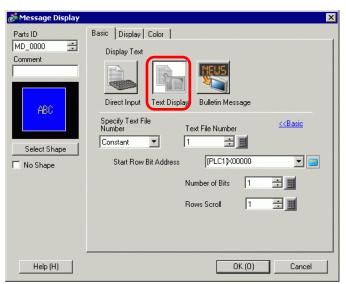
🔲 Base 1 (Untitled) 🗙 🛐 Text 1 (Maintenance) 🗙	$\triangleleft \triangleright {\bf X}$
	🗖 Input Multilanguage
Language ASCII	
.10 .20 .30 .40 .50 .60	70 80 90
001 1. Release the three	
002 tabs nearest you a	
003 remove the cartridge's	
004 top cover.	
005 2. Open the left	
006 side of the	
007 cartridge and	
008 remove part A.	
009 3. Set the	
010 opening part of	
011 part A facing	
012 downward.	
013	
014	
015	
016	
017	
018	
019	
020	

Click \triangleleft (x) at the top right of the screen to close the input screen.

- 4 Next, configure the Message Display settings. Open the drawing screen. On the [Parts (P)] menu, select [Message Display (M)] or click to open and display the screen on which you want to display the Text.
- 5 Double-click the new Message Display. The following dialog box appears.

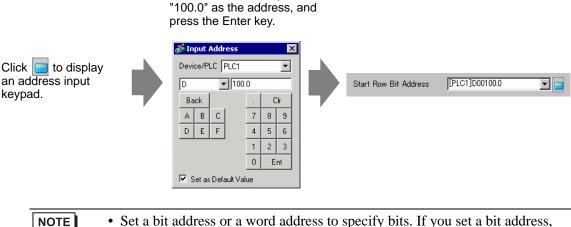
💰 Message Display		×
Parts ID	Basic Display Color Display Text Direct Input Text Display Bulletin Message Action Mode Address Bit I I I I I Display Color I I I I I I I I I I I I I I I I I I I	
Help (H)	OK (0) Cancel	

6 Select [Text Display], and change the dialog box to [Extended] view.



- 7 In the [Specify Text File Number], select the method of specifying text to display. Set the [Text File Number].
- 8 In [Start Row Bit Address], set the start address (D100 00 bit) which will trigger the message display.

Select device "D", input



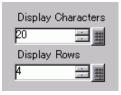
• Set a bit address or a word address to specify bits. If you set a bit address, [Number of Bits] of sequential addresses are assigned to set the display start row. If you set a word address, [Number of Bits] of sequential bits in the word (16 bits) are used. **9** In the [Number of Bits] field, set the number of bits to use for designating the start row display. (For example, 2)

	Number of Bits 2
NOTE	 The number of bits to use depends on [Rows Scroll]. When scrolling four rows at a time, you need to scroll three times at the maximum to display 12 rows. 2 bits are required to store "3". <u>15</u> <u>00</u> <u>Each scroll increments the address by 1. To display up to the 12th row, 2 bits are used. </u> <u>100</u>

10 In the [Rows Scroll] field, set the number of text rows to scroll each time. (For example, 4)

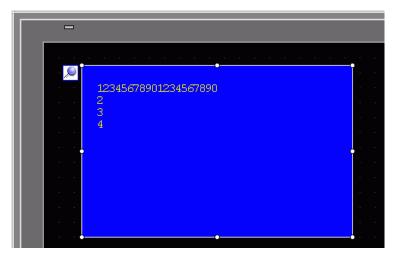


11 Click the [Display] tab. Set the [Display Characters] and [Display Rows].



• Set "1" to [Display Characters] to display one single-byte character. Set "2" for one double-byte character.

12 As needed, set the Message Display color and text color on the [Color] tab, and click [OK]. The Message Display settings are complete.

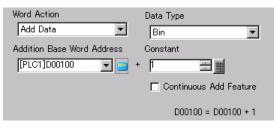


- 13 Set a Switch to scroll through messages. From the [Parts (P)] menu, point to [Switch Lamp (C)] and select [Word Switch (W)] or click . Place the switch on the screen.
- 14 Double-click the placed Switch part. The following dialog box appears.

Switch/Lamp			×
Parts ID SL_0003 Comment Normal Select Shape No Shape	Switch Feature Switch Common	Lamp Feature Color Label	en Special Selector
	Delete Copy and Add	Get Operation Log	
Help (H)			OK (0) Cancel

- 15 In [Select Shape], select the Switch shape.
- 16 In the [Word Address] field, set the address (D100) where you want to write data when you touch the switch.

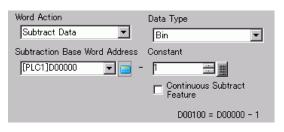
17 In the [Word Action] drop-down list, select [Add Data]. Set an address value in [Addition Base Word Address].



18 As needed, set the Switch color and label on the [Color] tab and [Label] tab, and click [OK]. A Switch to scroll to next text has been created.

-		
1. A 1. A	12345678901234567890	
	2	
	3 4	
100 C		
	an an a <mark>i y</mark> an	

19 Create a Switch to scroll to previous text as well. Place a Word Switch and select [Subtract Data] from the [Word Action] drop-down list.



Two scroll switches have been placed.

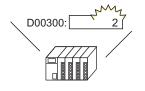
NOTE

Text can have up to 512 lines with up to 100 single-byte characters per line.When the data designated as the Display Start Row has no corresponding text

- row, the operation does not occur. The previously displayed rows remain.If the text data is wider than the display area, the portion that exceeds the
 - display area is not displayed.

17.4 Changing a Text's Language (Multilanguage)

17.4.1 Introduction



Change the value of the language change control address...

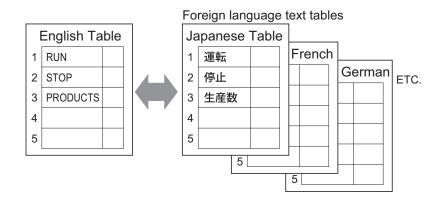
And the language of all text using text tables (Draw's text, Switch's label, etc.) changes.

運転

停止

Create a Text Table with text in multiple languages. You can then change languages in text objects even while the system is running. (No translation function is available.)

RUN



17.4.2 Setup Procedure

NOTE	• Please refer to the Settings Guide for details.
	"17.9.3 Text Table Settings Guide" (page 17-62)
	"17.9.4 Switch/Lamp - Label (Enable Text Table) Settings Guide" (page 17-68)
	• For details of the part placement method and the address, shape, color, and
	label setting method, refer to the "Part Editing Procedure".

(Page 8-44) 38.6.1 Editing Parts" (page 8-44)

Configure settings to change languages for a Switch label while the system is running.



Change the value of the language change control address...

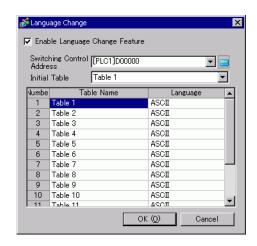
And the language of a Switch' s label changes.

1 Register words and phrases to use on the screen in the Text Table.

From the [Common Settings (R)] menu, select [Text Table (S)] or click **b**. In the following window, select

🖳 Bas	e 1(Untitled)	🛛 🗛 Text Table	×			4
Text Tab	ole					
	Go	To Change Langu	age Select Table	Preferences	Utility	
Number	1.000	umber of Lin				-
1	10	1				
2	10	1				
3	10	1				
4	10	1				
5	10	1				
6	10	1				
7	10	1				
8	10	1				
9	10	1				
10	10	1				
11	10	1				
12	10	1				
13	10	1				
14	10	1				
15	10	1				
16	10	1				
17	10	1				
18	10	1				
19	10	1				
20	10	1				
21	10	1				
	10	1				
23	10	1				
24	10	1				

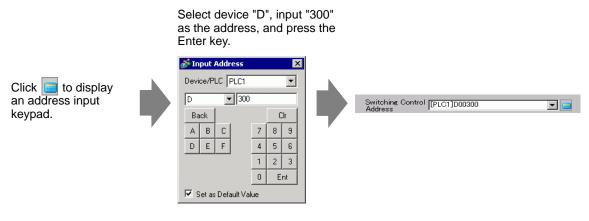
2 Click [Language Change] The following dialog box appears. Select the [Enable Language Change Feature] check box.



NOTE

• If you clear the [Enable Language Change Feature] check box, the Text Table data that has been specified is deleted.

3 In the [Switching Control Address] field, set the address (for example, D300) that will store the Table Number to display.



4 In the [Initial Table] drop-down list, set the table to display when the specified [Switching Control Address] is set to "0".

5 Select each Table's display language and click [OK]. For example, Table1= Japanese, Table2= ASCII

💰 Langu	💰 Language Change 🛛 💌					
🔽 Enat	🔽 Enable Language Change Feature					
Swite Addre	hing Control [PLC1]D00300	_			
Initial	Table T	able 1	▼			
Numbe	Table	Name	Language 🔺			
1	Table 1		ASCII			
2	Table 2		ASCII 🚽			
3	Table 3		ASCI			
4	Table 4		Japanese			
5	Table 5		Chinese(Traditional)			
6	Table 6		Chinese(Simplified)			
7	Table 7		Korean			
8	Table 8		Cyrillic Alphabet			
9	Table 9		Thai			
10	Table 10		ASCI			
11	Table 11					
		OK	(<u>O</u>) Cancel			

6 In the Text Table, set the [Characters] and [Number of Lines] and input words or simple messages in each table.

For example, Number of Characters = 10, Number of Rows = 1

📃 Bas	e 1(Untitled)	🗵 🌆 T	ext Table 🗵			
Text Table						
Go To Change Language Select Table Preferences Utility						
Number	Characters	Lines	1: ASCII Table 1	2: Japanese Table	2	
1	10	1	Run	運転		
2	10	1	Stop	停止		
3	10	1	Products	生産数		
4	10	1				
Б	10	1				

After entering your data, click 🔟 on the [Text Table] tab to close the [Text Table]. Text table registration is completed.

- Input text can be stored even if it exceeds the [Number of Characters] or [Number of Lines], so long as in the [Preferences] dialog box [Text Table] page, the [Number of Characters/Lines] is set to the [Adjust Automatically] option. Also, you can use Alt+Enter to start a new line.
- 7 Use the text table as a Switch's label to be used on the screen. Open the screen.
 From the [Parts (P)] menu, point to [Switch Lamp (C)] option and select [Bit Switch (B)] or click
 e . Place the bit switch on the screen.

8 Double-click the placed Switch part. The following dialog box appears.

Switch/Lamp		×
Parts ID SL_0003 Comment Normal Select Shape No Shape	Switch Feature Switch Common	Lamp Feature Color Label
Help (H)	Add Delete Copy and Add	Get Operation Log

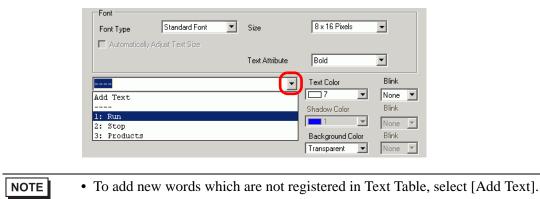
- 9 In [Select Shape], select the Switch shape.
- 10 Specify the [Bit Address] and select [Bit Set] in [Bit Action].
- 11 Click the [Label] tab, then select [Text Table].

💰 Switch/Lamp	×
Parts ID	Switch Feature Switch Common Lamp Feature Cold Label
SL_0000 🚍	O Direct Text Table
Comment	
	Select State Normal
· · · · ·	Font
	Font Type Standard Font 💌 Size 8 x 16 Pixels 🖵
	Text Attribute Normal 💌
Normal	Text Color Blink
Select Shape	Copy to All Labels Clear All Labels None Shadow Color Blink
🔽 No Shape	
	Background Color Blink
	Transpare 💌 None 💌
	✓ Fixed Position
	Line Spacing 🛛 🛗 🧱 🔄 🔄 🔄
Help (<u>H</u>)	OK (Q) Cancel

12 Set the Label font type, size, text color, etc.

• When using [Stroke Font], you can select [Automatically Adjust Text Size] NOTE to adjust the font size of text from the Text Table so it fits in the part. ^C 17.9.1 Message Display Settings Guide ■ Direct Input ◆ Display (Text Table) 17-50

13 When the text appears in the drop-down menu, select the text for the Label. For example, "Run"



14 Set the label text display position and click [OK].

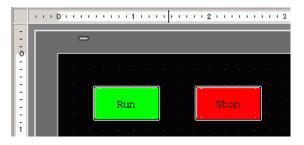
🔽 Fixed Posi	tion		
Line Spacing	p	<u>=</u>	3

The "Run" Switch has been created.

15 Create the same kind of "Stop" Switch.

[Switch Feature] Tab	[Label] Tab
Bit Address [[PLC1]M000100	Font Type Standard Font Size Automatically Adjust Text Size
Copy from Lamp Copy to Lamp Bit Action Bit Reset	Text Attribute 2: Stop Copy to All Labels Clear All Labels

Two switches have been created.



To check the display state when Text Tables are changed from the [View (V)] menu, point to [Change Language (L)] and select [Table 2].

View	(V) Work Space (<u>W</u>)	1		Display State for Table 2
	Tool Bar (<u>T</u>)			
-	Status Bar (<u>5</u>)			
•	Function Bar (<u>C</u>)			
-	Package (<u>P</u>)			ō
.	Header (<u>H</u>)			
	Footer (<u>F</u>)			
	Zoom (<u>Z</u>)			
	Zoom Box			
	Editing Area (B)			1 A Contract of the second sec
	Number of States (M)			
	Change Language (L)		1: Table 1	
-?	Full Screen (U)	~	2: Table 2	
	Preferences (<u>O</u>)		3: Table 3 4: Table 4	

NOTE

- You can use text registered in Text Table for a Message Display, Draw text, Alarm Part item name, Alarm Message, etc. as well as a Switch label.
 - I7.9.1 Message Display Settings Guide Direct Input ◆ Display (Text Table) 17-50
 - "17.9.5 Drawing Text (Using the Text Table) Settings Guide" (page 17-70)
 "17.9.6 Alarm Part Item/Extended (Text Table) Settings Guide" (page 17-72)
 - "17.9.7 Alarm (Enable Text Table) Settings Guide" (page 17-73)
- If you change languages, all the text using Text Table is changed. If text in multiple languages is registered, the language of the displayed text is also changed.
- You can automatically register text from Message Displays, Switches, Lamps, or Alarms to the Text Table.

Convert Text Table

NOTE

Please refer to the Settings Guide for details.
 "
 "
 "
 5.17.4 [Utility] Settings Guide ■ Convert Text Table" (page 5-125)

Register the text on screens to the Text Table.

1 On the [Project (F)] menu, point to [Utility (T)], and click [Convert Text Table (T)].

Project (F)						
	New (<u>N</u>)					
D	Open (<u>O</u>) Ctr	rl+0				
8	Save (5) Ctr	rl+S				
	Save as (<u>A</u>)					
	Information (<u>I</u>)	•				
	System Settings (⊆)					
🥣	Edit (<u>E</u>)					
•	Preview (<u>W</u>)					
	Simulation (L) Ct	rl+T				
	Transfer Project (<u>G</u>)	•				
	Monitor (<u>M</u>)					
	Utility (<u>T</u>)	Þ		Convert Addresses (<u>A</u>)		
8	Print (P) Ctr	rl+P		Cross Reference (<u>R</u>)		
9	Print Preview (⊻)		ALL	Copy from Another Project (C)		
	Recent Project (])	(Error Check (E) Convert Text Table (<u>T</u>)		
	Exit (X)					

2 In the [Text Table Converter] dialog box, select which Table to add the converted text strings. (For example, [Table Number]1= Table 1, [Target to be converted] = Individual)

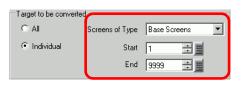
Table Number	1: Table 1		
Language	ASCII	•	
arget to be conve	rted		
	Screens of Type	Base Screens	
Individual	Start	1 🗄	#
	End	9999 -	#

NOTE

• When the edited project is not saved, the following message appears before proceeding to the Text Table Converter dialog box.

💰 Text 1	Table Converter	×
<u>.</u>	Starts converting the text table. You cannot undo this command. Would you like to back up this project with a different name?	
	Yes Y No (N)	

3 Use the Screens of Type, Start and End fields to select which screens to convert. (For example, [Screens of Type] = Base Screens, [Start] = 1, [End] = 1

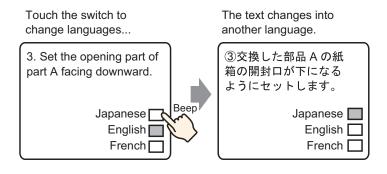


- When [Target to be converted] is set to [Individual], you can define which Screens of Type to convert.
- 4 Click [Convert] to collect all the text strings to the defined Text Table. When conversion is complete, [Close] returns you to the screen editor.

```
• If a text string already exists in the Text Table, it does not get added again.
```

17.5 Changing a Text's Language (Multilanguage)

17.5.1 Introduction

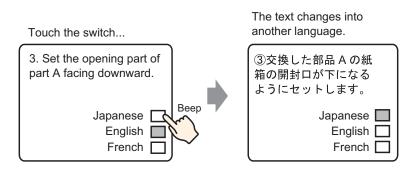


Create a preset text with words and phrases in another language for the text you want to change. You can then change languages of the text even while the system is running. (No translation function is available.) If you change languages, all the text using Text Table, as well as the text, is changed.

17.5.2 Setup Procedure

NOTE	Please refer to the Settings Guide for details.
	"17.9.2 Common (Text Registration) Settings Guide" (page 17-61)
	[™] "17.9.1 Message Display Settings Guide ■ Text Display" (page 17-53)
	• For details of the part placement method and the address, shape, color, and

label setting method, refer to the "Part Editing Procedure".



- 1 Saves used multilanguage text. From the [Common Settings (R)] menu, select [Text Registration (T)] or click in the [New Text/Open] dialog box appears.
- 2 Set the text number and comment, then click [New]. The text input screen appears. For example, Number = "1", Comment = "Set"

<i>i</i> New Text/C	pen		×
New	O Open		
Number			
Comment	Text		
			0
		New	Cancel

3 Select the [Input Multilanguage] check box. The following message appears. Click [Yes (Y)].

🧵 Base 1 (L	Intitled) 🗙 📝 Text 1 (Set) 🗙 🛛 🖉
	Input Multilanguage
Language	ASCI
- 1	
001	
002	
003	
004	
005	
006	
007	
008	
009	
010	
011	
012	
013	
014	
015	
016	
017 018	
018	
019	
020	
022	
	•
	💰 Confirm Language Change Settings 🛛 🕅

💰 Confir	m Language Cha	nge Setting	IS	×
2		o edit the lan	guage change feature. C	ontinue?
	· · · · · ·	Yes (Y)	No (N)	

4 The [Language Change] dialog box appears. Select the [Enable Language Change Feature] check box.

Swite Addre	ning Control	[PLC1]D0000)	_
Initial	Table	Table 1		•
Numbe	Tab	le Name	Lane	suage 🔺
1	Table 1		ASCII	
2	Table 2		ASCII	
3	Table 3		ASCII	
4	Table 4		ASCII	
5	Table 5		ASCII	
6	Table 6		ASCII	
7	Table 7		ASCII	
8	Table 8		ASCII	
9	Table 9		ASCI	
10	Table 10		ASCII	
11	Table 11		ASCII	

NOTE

• If you clear the [Enable Language Change Feature] check box, the Text Table data is deleted.

5 In the [Switching Control Address] field, set the address (D300) to store the Table Number to display.

Click the icon to display an address input keypad.	Select device "D", input "300" as the address, and press the Enter key.
Switching Control [PLC1]D00000	Witching Control [PLC1]D00300

..... ...

6 In the [Initial Table] drop-down list, set the table to display when the [Switching Control Address] is set to "0".

|--|

7 Select each Table's display language and click [OK]. For example, Table1= Japanese, Table2= ASCII

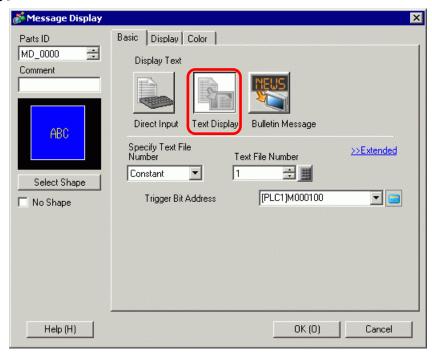
🔽 Enable Language Change	Feature
Switching Control Frances	
Switching Control [PLC1][Address	000300 🔽 🥅
Initial Table Table 1	
Numbe Table Name	Language 🔺
1 Table 1	ASCI
2 Table 2	ASCII 🔹
3 Table 3	ASCI
4 Table 4	Japanese
5 Table 5	Chinese(Traditional)
6 Table 6	Chinese(Simplified)
7 Table 7	Korean
8 Table 8	Cyrillic Alphabet
9 Table 9	Thai
10 Table 10	ASCI
11 Table 11	<u>490Π</u>
	OK (O) Cancel

8 Enter the text to display for each table.

📃 Base 1 (Untitled) 🗙 📝 Text 1 (set) 🗙	$\triangleleft \triangleright \mathbf{x}$
	🔽 Input Multilanguage
1:Table 1 ASCII Z:Table 2	Japanese V Language Change Display
10 20 30 40 50 001 (1) Set the box of the 002 replace partsA with 003 the open part under 004 005 006 007 008 009 010 011 012 013 014 015 016 017 018 019	001 ①交換した部品の紙箱の 002 開封口が下になるように 003 セットします。 006 007 008 009 010 011 012 013 014 015 016 016 017 018 018 019
	···· •

After entering your data, click 🖾 on the [Text Table] tab to close the text. Text table registration is complete.

- 9 Next, configure the Message Display settings. Open the drawing screen. From the [Parts (P)] menu, select [Message Display (M)] or click 💽 . Place the Part on the screen.
- 10 Double-click the new Message Display. The following dialog box appears. Click the [Text Display] icon.



- 11 In the [Specify Text File Number] drop-down box, select the method of specifying text to display. Set the [Text File Number].
- 12 In [Trigger Bit Address], set the address (M100) which will trigger the text display.



13 Click the [Display] tab. Set the [Display Characters] and [Display Rows].

Basit Display Color	
Font Font Type Standard Font 💌 Size	8 x 16 Pixels 💌
Display Characters 24	
β <u>≡</u>	

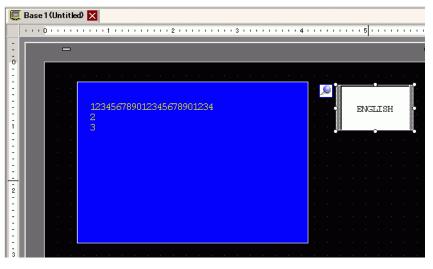
• Set "1" to [Display Characters] to display one single-byte character. Set "2" for one double-byte character.

- 14 As needed, set the Message Display color and text color on the [Color] tab, and click [OK]. The Message Display settings are complete.
- 15 Create a switch to change languages. From the [Parts (P)] menu, point to [Switch Lamp (C)] and select [Word Switch (W)] or click s and draw on the screen.
- 16 Double-click the placed Switch part. The following dialog box appears.

Switch/Lamp			×
Parts ID SL_0003	Switch Feature Switch Common	Lamp Feature Color Label	
Comment	 ✓ Switch Feature Multi-function List Word Switch 		reen ange Switch
		Word Address [PLC1]D00100	
Normal		Copy from Copy to Lamp	1
Select Shape		Word Action	Data Type
No Shape		Write Data 💌	Dec
			Bit Length 16 Bit
			Constant
	Add		
	Delete Copy and Add	Get Operation Log	
Help (H)			OK (0) Cancel

17 In [Select Shape], select the Switch shape.

- 18 In the [Word Address] field, set the same address (D300) as the set [Switching Control Address].
- **19** In the [Word Action] drop-down list, select [Write Data]. Set [Constant] to 1.
- **20** Specify the color and label for the switch on the [Color] tab and [Label] tab as required, and click [OK]. The switch for changing to English text (Table 1) has been created.



21 Create the same kind of Switch to change to Japanese text (Table 2). The settings for the Switch are as follows.

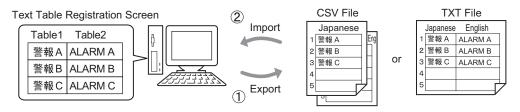
Word Address [PLC1]D00300	_		
Copy from Lamp	Copy to Lamp		
Word Action		Data Type	
Write Data	•	Dec	-
		Bit Length	
		16 Bit	-
		Constant 2	

• If you change tables (languages), all the text using Text Table, as well as the text, is changed.

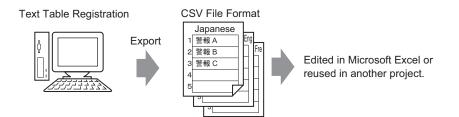
17.6 Importing/Exporting Registered Text Tables for Use in Different Projects

17.6.1 Introduction

Saving/reusing registered Text Tables in CSV or TXT File Format



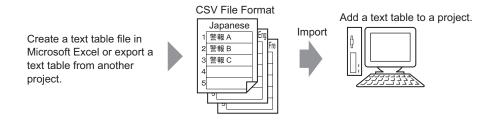
You can export Text Tables from a project and save them as CSV or TXT files. The saved Text Table files (*.csv or *.txt) can then be edited in Microsoft Excel or another software. ^(C) "17.6.2 Setup Procedure ■ Export" (page 17-32)



You can also use the Text Tables (see (1)) in another project by importing the CSV or TXT file.

By creating the Text Table file (*.csv or *.txt) in Microsoft Excel in advance, you can use the file in the project by importing the file. Users who do not have access to GP-Pro EX can still edit text data for translation into other languages in the project.

⁽²⁾ "17.6.2 Setup Procedure ■ Import" (page 17-34)



NOTE

• To export/import multiple languages at the same time, save them in a TXT file.

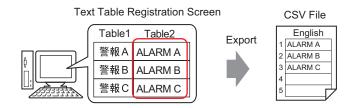
17.6.2 Setup Procedure

NOTE

• Please refer to the Settings Guide for details.

Export

Exports the Text Tables to the CSV file format.



1 From the [Common Settings (R)] menu, select [Text Table (S)] or click **a** to open the Text Table screen. Select [Export] from [Utility].

🛄 Base	e 1(Untitled)	🛛 🗛 T	ext Tabl	e 🗵		41
Text Tab	le					
	Go	To Cha	inge Lang	uage <u>Select Table</u>	Preferences L	<u>Jtility</u>
Number	Characters	umber of Lin		1: ASCII Table 1	2: Japanese Table 2	
1	10	1	Alarm	A	警報A	Export
2	10	1	Alarm	В	警報B	Create Display Unit File
3	10	1	Alarm	С	警報C	
4	10	1				

2 Select the check box to the left of the table name to export the table. Clear the check boxes next to tables you do not want to export.

xpor	t File N	lame	Browse	
xpor	t Table	e Table Name	Language	
	1	Table 1	ASCII	
•	2	Table 2	Japanese	
	3	Table 3	ASCII	
	4	Table 4	ASCII	
	5	Table 5	ASCII	
	6	Table 6	ASCII	
	7	Table 7	ASCII	
	8	Table 8	ASCII	

3 Select the code type of the files to export.

Ехро	rt File N	lame	Browse	1
	rt Table	•		-
		- Table Name	Language	
	1	Table 1	ASCII	
	2	Table 2	Cyrillic Alphabet	
	3	Table 3	ASCII	
	4	Table 4	ASCII	
	5	Table 5	ASCII	
	6	Table 6	ASCII	
	7	Table 7	ASCII	
	8	Table 8	ASCII	

- To export multiple languages at the same time, select [Unicode]. When [Unicode] is selected, a file is exported in the text file format (*.txt). Click [Browse].
- 4 The [Save As] dialog box appears. Select a location and type a file name, then click [Save].

Save As					? ×
Save in:	🔁 Database		•	+ 🗈 💣 🎟	•
istory History Desktop	ile Stable1				
My Documents					
My Computer					
My Network P	File <u>n</u> ame:	table2		•	<u>S</u> ave
My Network P	Save as type:	CSV File(*.csv)		•	Cancel

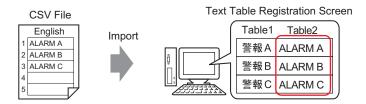
5 Click [Export] to export the tables. When the process is finished, the following dialog box appears. Click [OK] to complete the export.

💰 Export 1	Text Table	×
(Text table export was completed normally.	
	(OK W)	

• If there are any problems carrying out the export, the entire export process will be canceled.

Import

Imports Text Table files (*.csv) to a project.



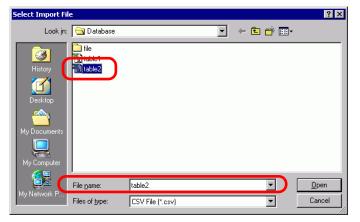
1 From the [Common Settings (R)] menu, select [Text Table (S)] or click **A**. In the following window, select [Import] from [Utility].

📮 Bas	e 1(Untitled)	🔀 🗛 Te	ext Table 🗵		
Text Tab	ble				
	Go	To <u>Char</u>	ige Language Select Table	Preferences U	tility
Number	Characters	umber of Lin	1: ASCII Table 1	2: Cyrillic Alphabet Table	
1	10	1			Export
2	10	1			Create Display Unit File
3	10	1			
4	10	1			
Б	10	1			

2 The [Import Text Table] dialog box appears. Click [Browse].

💰 Import Te>	t Table		×
Import File File Code T			Browse
Import File I	information		
	Table Name	Language	Import Destination
			Import Cancel

3 Select "CSV File (*.csv)" in [Files of type], select a file to import, and click [Open].



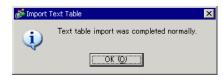
4 In the [File Code Type] drop-down list, select an option according to the language in the Text Table to import. Select the check box to the left of the table name to import the table. Clear the check boxes next to tables you do not want to import.

ile Co	de Typ	be Western Eur	Western European (Windows)			
mport	File Ini	fo				
		Table Name	Language	Import Destin	ation	
•	2	Table 2	ASCII	2:ASCII:Table 2		

- If you select a Text Table file in TXT format (*.txt), the [File Code Type] is fixed as [Unicode]. To import multiple languages at the same time, select [Unicode].
- 5 Select a destination table. The Text Table is imported to the designated table by overwriting it.

Import File Name		lame C:\Program F	C:\Program Files\Pro-face\database\table2.csv			
ile Ci	ode Ty	vpe Western Euro	pean (Windows)	•		
nport	File Ir	nfo				
		Table Name	Language	Import Destinat	ion	
✓ 2 Table		Table 2	ASCII	2:ASCII:Table 2		
				1:Japanese:Table 1	2	
				2:ASCII:Table 2		
				3:ASCII:Table 3	-	
				4:ASCII:Table 4		
				5:ASCII:Table 5		
				6:ASCII:Table 6		

6 Click [Import]. The following dialog box appears. Click [OK] to complete the import.



• If there are any problems carrying out the import, the entire import process will be canceled and the Text Tables in the project are not affected.

• You can input text with up to 1,200 characters in a Text Table. Any excess/ remaining characters or rows are not be imported.

17.6.3 Text Table File Format

Exported Text Tables' file (*.txt or *.csv) format displays as follows. Text Table Registration Screen

🛄 Bas	e 1(Untitled)	🗵 🌆 T	ext Table 🗵		
Text Tab	le				
	Go	To Cha	ange Language <u>Select Table</u>	Preferences Utility	
Number	Characters	Lines	1: ASCII Table 1	2: Japanese Table 2	
1	10	1	Alarm	警報	
2	10	1	OK	確認	
3	10	1	Pressure	圧力異常	
4	10	1			
5	10	1			



Header (Necessary for import)
Header (Necessary for import)
Each table's Table Number
Each table's Table Name
Each table's Language Code ^{*1}
The number of characters in Number 1, Number of Rows,
The number of characters in Number 2, Number of Rows,
The number of characters in Number 3, Number of Rows,

When the above CSV file is represented in Excel, it looks as follows.

	А	B Table N	lumber	D	E
1	String Table Data				Table Name
2				1	Table Name
3	Number of Characters	Number of Text Rows	Tak	ole 1 🚽	Tab <u>le 2</u>
4			en-	-US —	Language
5	1	` 10 `	1 Alai	rm	警報
6	2	10	1 OK		確認
- 7 -	. 3	10	1 Pre	ssure	圧力異常
0					Text
	Index Number				lexi

NOTE

• When using the [Adjust Automatically] option, all the characters can be exported even if they exceed the Number of Characters or Number of Lines.

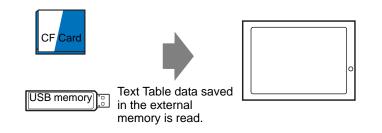
Importing/Exporting Registered Text Tables for Use in Different Projects

1 Text Table files (*.txt or *.csv) displays each table's language with the following language codes.

Language	Japanese	ASCII	Chinese (Traditional)	Chinese (Simplified)	Korean	Cyrillic	Thai
Language Code	ja-JP	en-US	zh-TW	zh-CN	ko-KR	ru-ru	th-TH

17.7 Changing Text Table without Data Transmission

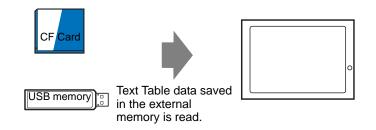
17.7.1 Introduction



You can save the Text Table data in the external memory in advance and rewrite the Text Table data in the display unit during startup or from the offline menu.

Even in an environment where GP-Pro EX cannot be used, text of the alarm message and labels can be changed.

17.7.2 Setup Procedure



NOTE	• In order to use this feature, from [Display Unit] in [System Settings], go to
·	[Extended Settings] - [Load Text Table] and select the [Enable Load Text
	Table] check box.
	 Please refer to the Settings Guide for details.

- "17.9.3 Text Table Settings Guide" (page 17-62)
- 1 From the [Common Settings (R)] menu, select [Text Table (S)] or click 4. The following window opens.

📃 Base	e 1(Untitled)	🗵 🤷 T	ext Table 🗵						41
Text Tab	le								
	Go	To Cha	nge Language	Select Table	Pre	ferences	Utility		
Number	Characters	umber of Lin							<u> </u>
1	10	1							
2	10	1							
3		1							
4		1							
5		1							
6		1							
7		1							
8		1							
9		1							
10		1							
11		1							
12		1							
13		1							
14		1							
15		1							
16		1							
17		1							
18		1							
19		1							
20		1							

NOTE

• When you edit and use a registered Text Table, open the data you want to edit.

2 Click [Language Change] The following dialog box appears. Select the [Enable Language Change Feature] check box.

Switch Addre	ning Control ss	[PLC1]D0000)	-
Initial	Table	Table 1		•
Vumbe	Ta	able Name	Langu	age 🔺
1	Table 1		ASCII	
2	Table 2		ASCII	
3	Table 3		ASCII	
4	Table 4		ASCII	
5	Table 5		ASCII	
6	Table 6		ASCII	
7	Table 7		ASCII	
8	Table 8		ASCII	
9	Table 9		ASCII	
10	Table 10		ASCII	



- If you clear the [Enable Language Change Feature] check box, the Text Table data that has been specified is deleted.
- **3** Select each Table's display language and click [OK].

	u <mark>age Chang</mark> ble Language	j e Change Feature	,		X
Switc Addre Initial		[PLC1]D00000 Table 1		.	1
Numbe		ble Name	1	Language	
1 2	Table 1 Table 2		Į	ASCII	
3 4 5	Table 3 Table 4 Table 5			Japanese Chinese(Traditional) Chinese(Circel/Ged)	
6	Table 6 Table 7			Chinese(Simplified) Korean Cyrillic Alphabet	
8	Table 8 Table 9			Thai ASCII	
10	Table 10		01	ASCI	-
			UK	((0) Cancel	

- **4** In the Text Table, set the [Characters] and [Number of Lines] and input words or simple messages in each table.
- 5 When you completed the entry to Text Table, select [Create Display Unit File] from [Utility].

🛄 Base 1 (Untitled) 🖪	🍇 TextTable 🗵				4 ⊳
Text Table					
Go To	Change Language Select Table	Preferences Utili			
Number Characters umb	erofLin 1:ASCIITable 1	2: ASCII Table 2	Import	able 3	-
1 10	1		Export		
2 10	1		Create Display Unit File		
3 10	1				

6 Select [File Code Type]. The [Destination Folder] allows you to select the folder to save the created file.

		· ·····) -	rs\Pro-face\GP-Pro E× Browse
tput	Table	e Table Name	Language
•	1	Table 1	ASCII
•	2	Table 2	ASCII
•	3	Table 3	ASCII
•	4	Table 4	ASCII
•	5	Table 5	ASCII
•	6	Table 6	ASCII
•	7	Table 7	ASCII
1	8	Table 8	ASCII

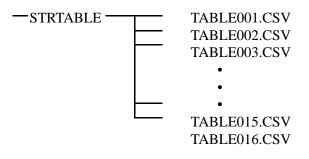
7 Make sure that the table you want to output is selected in [Output Table].When you click the [Create] button, the Text Table file is created in the destination folder specified in [Destination Folder].

NOTE	 If you want to configure the Text Table data to be read at every startup time, from [Display Unit] in [System Settings], go to [Extended Settings] - [Load Text Table] and select [Read File at Startup]. With this setting, it may take some time to start up the display unit. For details on the settings, refer to the following. ^C "5.17.6 [System Settings] Setting Guide ◆ Extended Settings" (page 5-176)
	 In order for data to be read at any timing, touch the start button of offline manual reading on the display unit. For details on offline screen operation, refer to Maintenance/ Troubleshooting.

17.7.3 Folder Structure and File Format for Display Unit File

Folder Structure

The file output as an external file is saved with the following structure. For each table, files are output as different files with the following names.



File Format

The format of the file output as an external file (*.CSV) is as follows. Files are output separately for each table.

🛄 Base 1 (Untitled) 🛛 🌆 1	ext Table 🗵					
Text Table						
Go To Cha	ange Language	Sel	lect Table		Preferences	Utility
Number Characters umber of Lin	1: AS	CII Ta	able 1		2: Japanese T	able 2
1 10 1	Alarm			警報		
2 10 1	OK			確認		
3 10 1	Pressure			圧力。	異常	
Outpu	ıt					
String Table Data			Header (Ne Table Num	ecessary fo ber	or output)	
"Table 1"		E	Each table	's Table Na	me	
"ja-JP"				's Languag		
1,"10","1", " ", "Alarm"		T	The numbe	er of chara	cters in Number	1, Number of F
Each table's text		_				
2,"10","1"," ","OK"		7	The numbe	er of chara	cters in Number	2, Number of F
Each table's text 3,"10","1"," ","Pressure"		-		or of chara	cters in Number	3 Number of F
Each table's text						S, Number of F
	A B		С	D	т	
1 Stri	ing Table Data					
2				1		
3				Table 1		
4				en-US		
5	1	10		Warning	_	
6	2	10		Check	-	
7	3	10	1	Pressure	<u> </u>	
	Imber of paracters		Number of			

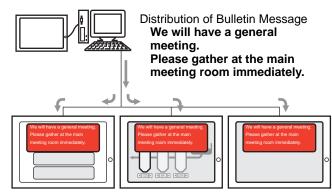
Changing Text Table without Data Transmission

1 Text Table files (*.txt or *.csv) displays each table's language with the following language codes.

Language	Japanese	ASCII	Chinese (Traditional)	Chinese (Simplified)	Korean	Cyrillic	Thai
Language Code	ja-JP	en-US	zh-TW	zh-CN	ko-KR	ru-ru	th-TH

17.8 Displaying Bulletin Message on Multiple GP Screens

17.8.1 Introduction

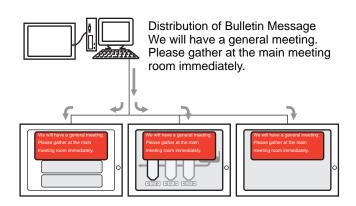


The Bulletin Message sent from the upper level can be displayed on the screens of multiple GPs. If a Bulletin Message Display is placed on the window screen, the Bulletin Message is displayed over any display on the GP screen so it is possible to view, for example, emergency message immediately.

17.8.2 Setup Procedure

NOTE

- Please refer to the Settings Guide for details.
 ^{CP} "17.9.1 Message Display Settings Guide Bulletin Message" (page 17-60)
 ^{CP} "5.17.6 [System Settings] Setting Guide ◆ Mode" (page 5-152)
 - For details of the part placement method and the address, shape, color, and label setting method, refer to the "Part Editing Procedure".
 * "8.6.1 Editing Parts" (page 8-44)



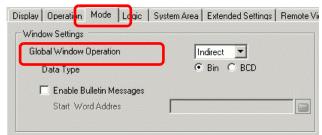
1 In the [System Settings], select [Display Unit].



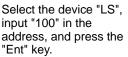
NOTE

• If the [System Settings] tab is not displayed in the workspace, on the [View (V)] menu, point to [Workspace (W)], and then click [System Settings (S)].

2 When you click the [Mode] tab, the following screen is displayed. Select [Indirect] in [Global Window Operation].



- 3 Select [Data Type] and select [Enable Bulletin Messages] check box.
- 4 Specify the start word address of the internal address in [Start Word Address].



Click 🧰 to display an address input keypad.	Input Address X Device/PLC #INTERNAL	Start Word Address	[#INTERNAL]LS0000
	LS 0000 Back Cr 7 8 9 4 5 6		
	1 2 3 0 Ent Frt		

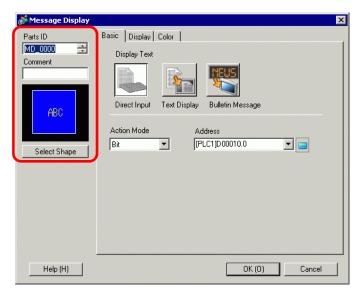
- 5 From the [Parts (P)] menu, select [Message Display (M)] or click **b**. Place the Part on the screen.
- 6 Double-click the new Message Display. The following dialog box appears. Click [Bulletin Message].

💕 Message Display	×
Parts ID MD_0000 ** Comment	Basic Display Text Direct Input Text Display Bulletin Message Start Word Address [HINTERNAL]LS0000
	Clear Color 🔳 0 🗨 Blink None 💌
Help (H)	OK (0) Cancel

- 7 Select the Data Display shape from [Select Shape].
- 8 In [Start Word Address], set the address (LS100) to trigger the message display.
- **9** As needed, set the background [Clear Color] and [Blink] for the background of the display area, and click [OK].

17.9 Settings Guide

17.9.1 Message Display Settings Guide



Setting	Description		
	Parts are automatically assigned an ID number.		
Part ID	Text Display Part ID: MD_**** (4 digits)		
Γαιτιυ	The letter portion is fixed. You can change the number portion within the range of 0000-9999.		
Comment	The comment for each Part can be up to 20 characters.		
Part Shape	Displays the shape and status of the Part selected in [Select Shape].		
Select Shape	Open the Select Shape dialog box to choose the Part shape.		
	Select the Text Display part type.		
	Direct Input		
	The displayed message changes according to the bit address ON/OFF		
Message Display	state or the word address value.		
Туре	Image: Second Secon		
	Text Display		
	Text registered to a text screen is changed and displayed.		
	Image: Second Secon		
No Shape	When [Text Display] is selected, select whether or not the part will be		
NU Shape	transparent with no shape.		

NOTE	 When Visible//Invisible is changed due to Visibility Animation, the operation of Message Display may differ. For more details on Visibility Animation, refer to the following: Image: Image and Hiding Objects. (page 20.8)
	"20.3 Showing and Hiding Objects" (page 20-8)

- Direct Input
- ♦ Basic

💕 Message Display	×
Parts ID	Basic Display Color Display Text Direct Input Text Display Bulletin Message Action Mode Address Bit CPLC1D00010.0 Color
Help (H)	OK (0) Cancel

Setting	Description		
Action Mode	Select the method for changing Messages. • Bit The Message changes in response to the bit address turning ON/OFF. • Word The Message changes in response to which bits are displayed in the Word Address. Bits (starting from Bit 00) from the Word Address are automatically allocated, depending on the [Number of Messages] (2, 4, 8, 16) setting on the [Display] tab. When the Number of Messages is 2, only the 00 bit is used. Image: Select the method for changing Messages Image: Select the method for changing Messages is 2, only the 00 bit is used. Image: Select the method for the method for the method for the method for another purpose. Image: Select the method for the		
Address	Select the address which will trigger the Message display.		

Display (Direct Text)

💕 Message Display	×
Parts ID MD_0000 Comment	Basic Display Color Text Type © Direct Text C Text Table Select State
ABC Select Shape	Font Font Type Standard Font Size 8 x 16 Pixels Display ASCI Text Language ASCI Normal
	Register Message
	Alignment Copy Comment Copy to All Delete
Help (<u>H</u>)	OK (Q) Cancel

Setting		Description
Direct Text		For each state, defines message strings entered directly in the [Register Message] box.
	mber of ssages	Select the number of Messages to display from 2, 4, 8, or 16. This option is available when the [Mode] field on the [Basic] tab is set to [Word].
Select State		Type a message for each selected state. When the [Mode] field on the [Basic] tab is set to [Bit], ON/OFF will display. When the [Mode] field on the [Basic] tab is set to [Word], the state indication buttons (State 0 to State 15) appear according to the Number of Messages set.
Foi	nt	Set a font for the text.
	Font Type	Choose a font type for the text from [Standard Font] or [Stroke Font].
	Size	Choose a font size for the text. Standard Font: Specify horizontal and vertical font dimensions in increments of 8 pixels, from [8 x 8] to [64 x 128], or select fixed font sizes of [6 x 10], [8 x 13], or [13 x 23]. When using fixed sizes, you can display only single-byte alphanumeric characters. Stroke Font: 6 to 127
	Display Language	Select the display language: [ASCII], [Japanese], [Chinese (Simplified)], [Chinese (Traditional)], [Korean], [Cyrillic], or [Thai].
	Text Attributes	Select the text attributes. Standard Font: Choose from [Standard], [Bold], [Shadow] (When using the [6 x 10] font size, select either [Standard] or [Shadow].) Stroke Font: Choose from [Standard], [Bold], [Outline]
Alię	gn	Select the alignment of the text. Continued

Setting	Description	
Register Message	Type the text to be displayed. The comment can be up to 100 single-byte characters x 4 rows.	
Copy CommentCopies the text in the [Comment] field to the Message field selected [Select State].		
Copy to All	Copies all the text in the Register Message field selected in [Select State] to all states.	
Delete	Deletes the message.	

Display (Text Table)

💰 Message Display		X
Parts ID MD_0000 ()) Comment () ABC Select Shape	Basic Display Color Text Type C Direct Text © Font Font Type Stand	·
	Fixed Position	Register Message
	Alignment	Center
Help (<u>H</u>)		OK (Q) Cancel

	Setting	Description		
Te	kt Table	Displays Text registered as a Text Table.		
Se	lect State	Type a message for each selected state. When the [Mode] field on the [Basic] tab is set to [Bit], ON/OFF will display. When the [Mode] field on the [Basic] tab is set to [Word], the state indication buttons (State 0 to State 15) appear according to the Number of Messages set.		
Fo	nt	Set a font for the text.		
	Font Type	Choose a font type for the text from [Standard Font] or [Stroke Font].		
	Automatically Adjust Text Size	If you select [Stroke Font], the [Automatically Adjust Text Size] option appears. By selecting this option, the font size adjusts automatically to fit the text in the part.		

Setting			Description
		Choose a font size for the text.	
Font	Size	Standard Font: Stroke Font:	Specify horizontal and vertical font dimensions in increments of 8 pixels, from [8 x 8] to [64 x 128], or select fixed font sizes of [6 x 10], [8 x 13], or [13 x 23]. When using fixed sizes, you can display only single- byte alphanumeric characters. 6 to 127 When using [Automatically Adjust Text Size], define the [Maximum Size] and [Minimum Size] of fonts. The text font size is adjusted within this range.
	Text Attributes	Select the text attributes. Standard Font: Choose from [Standard], [Bold], [Shadow] (When using the [6x10] font size, select either [Standard] or [Shadow].) Stroke Font: Choose from [Standard], [Bold], [Outline]	
Re	Register Message Select the text string from registered strings in the Text Table. NOTE • If you select [Add Text], you can type new text in the Text Table.		
Fixed Position posi			display position of the Text. If you set the text to a fixed the transformation of the text is fixed in the center of the Message
CenterDisplays the text in the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Transformed and the center of the Text Display Area.Image: CenterImage: Text			

♦ Color

💣 Message Display		×
Parts ID MD_0000	Basic Display Color	
Comment	Select State OFF	
ABC	Text Color 6 V Blink None V	
	Plate Color 📕 Blink None 💌	
Select Shape	Border Color 7 🔽 Blink None 💌	
Help (<u>H</u>)	OK (O) Cancel	

Setting	Description
Select State	Select a color for each selected state. When the [Mode] field on the [Basic] tab is set to [Bit], ON/OFF will display. When the [Mode] field on the [Basic] tab is set to [Word], the state indication buttons (State 0 to State 15) appear according to the Number of Messages set.
Text Color	Select a color for the displayed text.
Shadow Color	Choose a shadow color for the text to display. [Display] tab's [Text Attribute] = [Shadow] is the only time you can use this feature.
Plate Color Select the Message Display color (background color for the text).	
Border Color	Select the Message Display border color.
	Select the blink and blink speed. [Font Color], [Shadow Color], [Plate Color], and [Border Color] can all be set up with different blink settings.
Blink	• There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color]. ☞ "8.5.1 Setting Colors ■ List of Compatible Colors" (page 8-36)

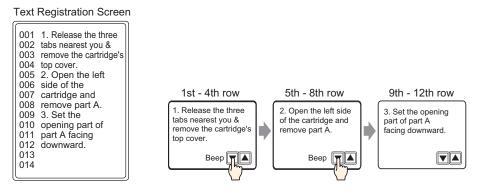
- Text Display
- ♦ Basic Settings/Basic

💰 Message Display	×
Parts ID MD_0000	Basic Display Color Display Text Direct Input Text Display Bulletin Message Specify Text File Number Text File Number Constant T Trigger Bit Address [FLC1]M000100 T
Help (H)	OK (0) Cancel

	Ş	Setting	Description
Specify Text Number			 Choose how the Text Number will be specified. Constant Specify a set constant in [Text Number] Address Select an address that will store the Text Number. Shows/hides the fixed text by turning the bit ON/OFF.
	ان ا	Text Number	Set a number for the text from 1 to 8,999.
	-	Bit Address	Set a bit address to display the text. Displays the text selected in [Text Number] if you turn ON this bit and hides the text if you turn it OFF.
ŀ	Ado	dress	Displays desired text on the Message Display. Specify Text File Text File Number Word Kessic Address Image: Comparison of the second seco
		Text Number Word Address	Set the address where the text number to display is stored. The text with the number stored in this address displays.
		Data Type	Select the data type of the text number to be stored in [Address].

Basic/Extended

If you click [Extended] on the [Basic] tab, you can configure settings to display registered text from the specified row.



When [Specify Text Number] is [Constant]

Displays fixed text starting from various rows.

💰 Message Display		x
Parts ID MD_0000	Basic Display Color Display Text Direct Input Text Display Bulletin Message Direct Input Text Display Bulletin Message Specify Text File Number Constant Constant Consta	
Help (H)	OK (0) Cancel	

Setting	Description
Text Number	Set a number for the text from 1 to 8,999.
Start Row Bit Address	Set the start bit address to store the text display's start row specification data. You can set a bit address or a word address to specify bits. The display start row is determined by the data stored in the range of the start row to the bit specified in [Number of Bits] and the [Rows Scroll].

Setting	Description
Setting Number of Bits	DecomptionSets how many bits, from the [Start Row Bit Address], are used forDisplay Start Row Specification. Select a value from 1 to 16. The numberof bits to use will differ depending on the specified [Rows Scroll].For example, 12 rows of text, Scroll will move by 4 rows each time: using2 bitsD100Each scroll increments the address by 1. To display up to the 12th row, 2 bits are used. $\begin{bmatrix} 0 & 0 \\ 0 & 1 \\ 1 & 0 \\ -5th & -8th row \\ -5th & -8th row \\ 2 & -5th & -12th row \\ -5t$
	Because the number of bits used is set from the Display Start Row Specification data, the empty portion of the Reserved Area can be used for other purposes. For example, Start Row Bit Address: D100 bit 08, Number of Bits: 4
	 NOTE When setting the [Number of Bits], please ensure that the allocated bits are in one word. Even if the number of bits is set to span across two words, only the address specified in [Start Row Bit Address] will be allocated as the Display Start Row. For example, Start Row Bit Address: D100 12 bit, Number of Bits:10 D100 15 12 00 D100 15 16 17 100 18 100 19 100 100

Setting	Description
Rows Scroll	Set the number of rows the display scrolls when the Start Row data changes.Use a number from 1 to 256. Display Start Row = Rows Scroll (Display Start Row data -1) +1 For example, [Display Rows] = 4, [Rows Scroll] = 4 Display Start Row data = 1 Display Start Row = 1 Display Start Row data = 2 Display Start Row = 5 Display Start Row data = 3 Display Start Row = 9 Text Sth Row 9th work did the display for the left of the Display Start Row is "0", the text does not display, and the Message Display's Display Area is shown with a transparent color.

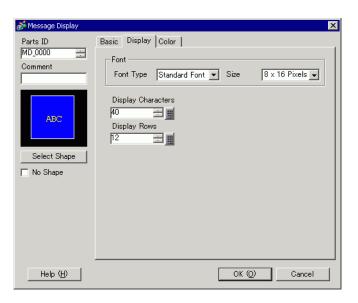
When [Specify Text Number] is [Address]

💰 Message Display		×
Parts ID MD_0000 📑 Comment	Basic Display Color Display Text Image: Color Direct Input Image: Color Direct Input Image: Color Direct Input Image: Color Specify Text File Text Display Number Color Address Image: Color Specify Start Row Start Row Constant Image: Color	
Help (H)	OK (0) Cancel	

Setting	Description
Text Number Word Address	Set the address where the text number to display is stored. The text with the number stored in this address displays.
Data Type	Select the data type of the text number to be stored in [Address].

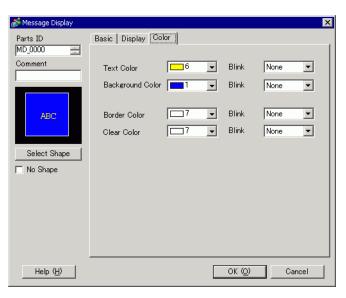
Setting	Description
Specify Start Row	 Choose how the text's Start Row is specified. Constant Specify a set constant as the Display Start Row. Address Specify the address where the display start row is stored.
Constant	Desired text displays starting from fixed lines.
Start Row	Set a number for the text's Display Start Row from 1 to 512. When the start row does not exist, the operation is ignored. The previously displayed rows remain.
Address	Displays desired text starting from various rows. Specify Start Row Start Row Address Address [PLC1]D00000 Data Type Bin Rows Scroll 1
Start Rung Address	Set the address of the word address that stores the text's Display Start Row. The Display Start Row is decided by the data stored in this field and by the [Rows Scroll]. When the start row does not exist, the operation is ignored. The previously displayed rows remain. The display is cleared when the Display Start Row is set to "0".
Data Type	Choose the format for the text's Display Start Row.
Scroll Columns	Set the number of rows the display scrolls when the Start Row data changes.Use a number from 1 to 256. Display Start Row = Rows Scroll (Display Start Row data -1) +1 For example, [Display] tab [Display Rows] = 4, [Rows Scroll] = 4 Display Start Row data = 1 Display Start Row = 1 Display Start Row data = 2 Display Start Row = 5 Display Start Row data = 3 Display Start Row = 9 Text 1 the first for example, Sth of the carcidge and start Row data = 1 Display Start Row = 1 Display Start Row data = 3 Display Start Row = 9 Sth of the carcidge and start reave part A. Start Row data = 1 Display Start Row data 1 Display Start Row data 2 Display Start Row data 3 If the Display Start Row data is "0", the text does not display, and the
	Message Display's Display Area is shown with a transparent color.

Display



Setting	Description
Font Type	Choose from [Standard Font] or [Stroke Font].
Size	Choose a font size for the text. Standard Font: Specify horizontal and vertical font dimensions in increments of 8 pixels, from [8 x 8] to [64 x 128], or select fixed font sizes of [6 x 10], [8 x 13], or [13 x 23]. When using fixed sizes, you can display only single-byte alphanumeric characters. Stroke Font: 6 to 127
Display Characters	Set the number of single-byte characters to be displayed on each line from 1 to 100.
Display Rows	Set the number of lines of text to be displayed from 1 to 50.

Color



Setting	Description
Text Color	Select a color for the displayed text.
Background Color	Select the Message Display color (background color for the displayed text).
Border Color	Select the Message Display border color.
Clear Color	Select a color for the Display Area for after the Message has been cleared (when the text of the corresponding number does not exist).
	Select the blink and blink speed. For the [Font Color], [Background Color], [Border Color], and [Clear Color] can be set up with different blink settings.
Blink	 NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. ^{GP} "8.5.1 Setting Colors ■ List of Compatible Colors" (page 8-36)

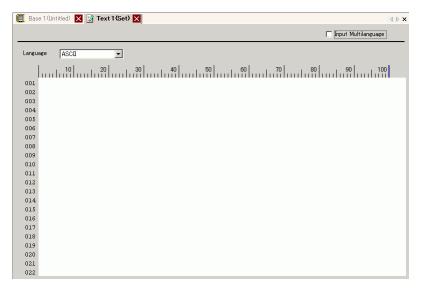
Bulletin Message

Basic

Message Display		×
Parts ID MD_0000 ** Comment	Basic Display Text Direct Input Text Display Start Word Address [#INTERNAL]LS0000	
	Clear Color 🔲 0 💌 Blink None 💌	
Help (H)	OK (D) Cancel	

Setting	Description	
Start Word Address	Select the start internal address (LS area, USER area or memory link system area) which will trigger the message display.	
Clear Color	Select a color of the display area used when a message is cleared.	
Blink	 Select the Part blink and blink speed. NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. * "8.5.1 Setting Colors List of Compatible Colors" (page 8-36) 	

17.9.2 Common (Text Registration) Settings Guide



Setting	Description
Input Multilanguage	Select this check box to use Multilanguage input.
Language	Choose the language for the text: [ASCII], [Japanese], [Chinese (Traditional)], [Chinese (Simplified)], [Korean], [Cyrillic], or [Thai].
Text Input Border	You can enter text with up to 100 single-byte characters per row x 512 rows.

■ Text (Input Multilanguage) Settings Guide

📃 Base 1 (Untitled) 🔀	🗙 📝 Text1(Text) 🗙				4 ▷	×
				🔽 Input Mul	Itilanguage	
1:Table 1	ASCI	2:Table 2	Japanese	Language Change	<u>Change</u> <u>Display</u>	
10 111 100 100 100 100 100 100		40	10 001 002 003 004 005 006 007 008 009 010 011 012 013 014	20 30	40	

Setting	Description
Language Change Settings	The [Language Change Settings] dialog box appears. Set a language for each table.
Change Display Unit	Changes the setting to display only one table or display two overlapping tables.
Select Table	Select the table to register text from [1:Table 1] to [16:Table 16].

17.9.3 Text Table Settings Guide

📮 Bas	e 1(Untitled) 🛛 🛛	🌆 TextTable 🗵				4
Text Tab	ole					
3	Go To	Change Language	Select Table	Preferences	Utility	
Vumber	Characters umbe	er of Lin				
1	10	1				
2	10	1				
3	10	1				
4	10	1				
5	10	1				
6	10	1				
7	10	1				
8	10	1				
9	10	1				
	10	1				
11	10	1				
12	10	1				
13	10	1				
14	10	1				
15	10	1				
16	10	1				
17	10	1				
	10	1				
19	10	1				
20	10	1				
21	10	1				
	10	1				
	10	1				
24	10	1				

Setting	Description		
Unused Text List	Click the icon to display the [Unused Text List] dialog box. You can select and delete unused text collectively or separately.		
Jump	Go to a specific row number.		
Language Change Settings	Displays the [Language Change] dialog box. ☞ " ■ [Language Change] Dialog Box" (page 17-64)		
Select Table to Show	Set the tables to display on the Text Table setting screen. Select the check boxes next to the necessary tables to register the Text Table.		
Import	Import Text Tables in either CSV or TXT file formats. ⁽²⁷⁾ " ■ [Import Text Table] Dialog Box" (page 17-66) Continued		

· · · · · ·			
Export Image: Texport Text Table] Dialog Box" (page 17-65) Select how to handle inputs in the Text Table. On the [View (V)] menu			
· · · · · ·			
 Use Defined Limits You cannot enter more than the character limit defined in the [Text Table] [Number of Characters] field. You cannot insert new lines by typing [Alt]+[Enter]. Adjust Automatically All text inputs are accepted, even if you exceed the [Text Table] 	 You cannot enter more than the character limit defined in the [Text Table] [Number of Characters] field. You cannot insert new lines by typing [Alt]+[Enter]. Adjust Automatically All text inputs are accepted, even if you exceed the [Text Table] [Number of Characters] or [Number of Lines] fields. You can also insert 		
Utility Files are exported to different folders for each Text Table, and saved in	the		
Create Display Unit File specified folders.	uie		
Text TableRegister text. You can register up to 10,000.			
NumberDisplays the Text Table's index number (row number).			
Number of Set the number of characters to display on each row from 1 to 100 single byte characters. The total number of characters ([Number of Characters]] Number of Characters INUMBER of Characters INOTE • Each row's [Number of Characters] and [Number of Text Rows] are available in all tables.	x		
Set the Number of Text Rows from 1 to 40. The total number of charact ([Number of Characters] x [Number of Text Rows]) cannot exceed 12/ single-byte characters. NOTE • Each row's [Number of Characters] and [Number of Text Rows] are available in all tables. • If text spans across multiple rows, Alt + Enter will line feed. "\n" indicates a line feed. Number of Text Rows acters per lines of Text Tank A Concentration Rise line Feed Alt + Enter line Feed Alt + Enter line first line displays.	00		
Input Text Field Enter text to display for each table set in [Language Change].			

■ [Language Change] Dialog Box

Set the Text Table language and the address to control the language change feature.

Switching Control Address Initial Table Table 1 Numbe Table Name Language 1 Table 1 ASCII 2 Table 2 Japanese 3 Table 3 ASCII 4 Table 4 ASCII 5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII	<mark>∛ Language Change ×</mark> ▼ Enable Language Change Feature					
Numbe Table Name Language 1 Table 1 ASCII 2 Table 2 Japanese 3 Table 3 ASCII 4 Table 4 ASCII 5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII	-					
1 Table 1 ASCII 2 Table 2 Japanese 3 Table 3 ASCII 4 Table 4 ASCII 5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII	-					
2 Table 2 Japanese 3 Table 3 ASCII 4 Table 4 ASCII 5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII						
3 Table 3 ASCII 4 Table 4 ASCII 5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII						
4 Table 4 ASCII 5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII						
5 Table 5 ASCII 6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII						
6 Table 6 ASCII 7 Table 7 ASCII 8 Table 8 ASCII						
7 Table 7 ASCI 8 Table 8 ASCI						
8 Table 8 ASCI						
9 Table 9 ASCII						
10 Table 10 ASCII						
11 Table 11 ASCIT						

Setting	Description	
Language Change Feature Enable	Select the check box to use the Language Change feature.	
Switching Control AddressSelect the address where the Table Number is stored.Image: Note AddressImage: Note Image: Note 		
Initial Table	Defines the table to display when the value in the [Switching Control Address] is zero.	
Table Name	Set a table name of up to 30 characters for each table.	
Language	Choose the language for each table.	

■ [Export Text Table] Dialog Box

Saves registered Text Table data in TXT file format or CSV file format.

xport File Name Browse			
xport	Table	9	
		Table Name	Language
	1	Table 1	ASCII
~	2	Table 2	Japanese
	3	Table 3	ASCII
	4	Table 4	ASCII
	5	Table 5	ASCII
	6	Table 6	ASCII
	7	Table 7	ASCII
	8	Table 8	ASCII

Setting	Description
File Code Type	 Select the code type of the file to export: [Unicode], [ASCII (Windows)], [Japanese (Shift- JIS)], [Chinese Traditional (Big5)], [Chinese Simplified (GB2312)], [Korean], [Cyrillic (Windows)], or [Thai (Windows)]. NOTE To export multiple languages at the same time, select [Unicode]. If you select other code types, text is not properly output to the files. If [Unicode] is selected, the file extension is "txt". If other code types are selected, the extension is "csv".
Export File Name	Type a file name. Or click [Browse] to browse to a folder location.
Export Table	Select the check boxes next to the Text Tables you want to export. Clear the check boxes next to Text Tables that you do not want to export.

■ [Import Text Table] Dialog Box

Imports Text Table files (*.txt or *.csv) to a project.

💰 Import Text Tab	le		X
Import File Name File Code Type			Browse
Import File Inform	nation		
	Table Name	Language	Import Destination
			Import Cancel

Setting	Description			
Import File Name	Click [Browse] and select a file to import.			
File Code Type	If the Text Table file to import is a CSV format file (*.csv), select the appropriate code type: [Unicode], [ASCII (Windows)], [Japanese (Shift JIS)], [Chinese Traditional (Big5)], [Chinese Simplified (GB2312)], [Korean], [Cyrillic (Windows)], or [Thai (Windows)]. For import files that are the text format (*.txt), the only option is [Unicode].			
	NOTETo import multiple languages at the same time, select [Unicode].			
	The [Table Name] and [Language] of the file to import are displayed. Select the check box to the left of the table name to import the table. Clear the check boxes next to tables you do not want to import. The imported Text Tables overwrite any existing tables in the project file.			
Import File	Import File Information Table Name Language Import Destination			
Information	✓ 1 Table 1 ASCII 1:ASCII:Table 1 ▼			
monnation	✓ 2 Table 2 ASCII 1:ASCII:Table 1			
	2:ASCII: Table 2 3:ASCII: Table 3 4:ASCII: Table 4 5:ASCII: Table 5 6:ASCII: Table 6			

■ [Create Display Unit File] Dialog Box

Expor	ode Ty t File N	ame	Extension (csv) Browse	
Expor	t Table	, Table Name	Language	
	1	Table 1	ASCII	
~	2	Table 2	Japanese	
	3	Table 3	ASCII	
	4	Table 4	ASCII	
	5	Table 5	ASCII	
	6	Table 6	ASCII	
	7	Table 7	ASCII	
	8	Table 8	ASCII	-
	8	Table 8	ASCII	

Setting	Description	
File Code Type	Select the code type of the file to create: [Unicode], [ASCII (Windows)], [Japanese (Shift- JIS)], [Chinese Traditional (Big5)], [Chinese Simplified (GB2312)], [Korean], [Cyrillic (Windows)], or [Thai (Windows)].	
Destination Folder Name	Specify the name of the folder to save the created file.	
• The created file cannot be imported.		

17.9.4 Switch/Lamp - Label (Enable Text Table) Settings Guide

💰 Switch/Lamp					×
Parts ID SL_0003	Switch Feature Sw C Direct Text Select State	itch Common Lamp Feature	Color Label		
	Font Font Type Automatically	Standard Font 💽	Size Text Attribute	8 x 16 Pixels	
Normal				, Taud Calar	Blink
Select Shape			<u> </u>	Text Color	None
No Shape		Copy to All Labels	Clear All Labels	Shadow Color Shadow Color Background Color Transparent	Blink None V Blink None V
	Fixed Position				
	Line Spacing		EE		
Help (H)				OK (0)	Cancel

Setting	Description	
Text Table	Displays Text registered as a Label.	
	Select the Lamp state. If the Lamp Feature is not used, only [Normal] can be selected. If the Lamp Feature is used, you can set the label corresponding to the lamp state.	
Select State	 NOTE To set a label that is interlocked or in delay, set the [Switch Common] tab's Extended Settings to [Show Interlocked Condition] or [Show In-Delay Status]. This will add the [Select State] choice. 	
Font	Set a font for the Label text.	
Font Type	Choose a font type for the text from [Standard Font] or [Stroke Font].	
Automatically Adjust Text Size	If you select [Stroke Font], the [Automatically Adjust Text Size] option appears. By selecting this option, the font size adjusts automatically to fit the text in the part.	
Size	 Choose a font size for the text. Standard Font: Specify horizontal and vertical font dimensions in increments of 8 dots, from [8 x 8] to [64 x 128], or select fixed font sizes of [6 x 10], [8 x 13], or [13 x 23]. When using fixed sizes, you can display only single-byte alphanumeric characters. Stroke Font: 6 to 127. When using [Automatically Adjust Text Size], define the [Maximum Size] and [Minimum Size] of font The text font size is adjusted within this range. 	

Setting		Description
tempSelect the text attributes.Standard Font: Choose from [Standard], [Bold], [Shadow] (When using the [6 x 10] fixed font size, the options are [Standard] or [Shadow].)Stroke Font: Choose from [Standard], [Bold], [Outline]		Standard Font: Choose from [Standard], [Bold], [Shadow] (When using the [6 x 10] fixed font size, the options are [Standard] or [Shadow].)
Tex	ĸt	Select text used as the Label from the registered Text Tables. If you select [Add Text], the dialog box appears and you can add new text in the Text Table.
Tex	kt Color	Select a text color for the Label.
Shadow Color		Select a shadow color for the label text. NOTE • This can only be set when [Shadow] is set in [Text Attribute].
Background Color		Set the background color for the text.
Blink		 Select the blink and blink speed. [Font Color], [Shadow Color], and [Background Color] can all be set up with different blink settings. NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. *** "8.5.1 Setting Colors ■ List of Compatible Colors" (page 8-36)
Fixed Position		When clicked, the Label is positioned in the center of the Part. ^(G) "17.9.8 Placing Text When Using Text Tables ■ Switch Lamp Label" (page 17- 74)
Lin	e Spacing	Set a value from 0 to 255.
Ali	gn	Select the alignment of the text.

17.9.5 Drawing Text (Using the Text Table) Settings Guide



Setting		Setting			
Text TableDisplays Text registered as a Text Table.					
Font		Set a font for the text.			
	Font Type	Choose a font type for the text.			
	Automatically Adjust Text Size	Text Attribute Normal Direction] is [Vertical].			
Choose a font size for the text.Standard Font: Specify horizontal and vertical for increments of 8 dots, from [8 x 8] fixed font sizes of [6 x 10], [8 x 12 using fixed sizes, you can display 		Choose a font size for the text. Standard Font: Specify horizontal and vertical font dimensions in increments of 8 dots, from [8 x 8] to [64 x 128], or select fixed font sizes of [6 x 10], [8 x 13], or [13 x 23]. When using fixed sizes, you can display only single-byte alphanumeric characters.			

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Setting		Setting			
Font	Text Attributes	Select the text attributes. Standard Font: Choose from [Standard], [Bold], [Shadow] (When using the [6 x 10] font size, select either [Standard] or [Shadow].) Stroke Font: Choose from [Standard], [Bold], [Outline]			
ш	Direction	Sclock Form. Choose from [Standard], [Bold], [Outline] Select from [Horizontal] or [Vertical].			
	Centering	When [Vertical] is selected in [Direction], align the center of the text.			
Со	lor	Configure the color settings for the text.			
	Text Color	Select the text's color.			
	Background Color	Set the background color for the text.			
	Shadow Color	This can only be set when [Shadow] is set in [Text Attribute].			
Blink		 Select the blink and blink speed. For the [Font Color], [Background Color], and [Shadow Color] can all be set up with different blink settings. NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. * "8.5.1 Setting Colors = List of Compatible Colors" (page 8-36) 			
Ali	gn	When [Horizontal] is selected in [Direction], select the alignment of the text.			
Line Spacing		Set a value from 0 to 255.			
Text		Select text to display from the registered Text Tables. If you select [Add Text], the dialog box appears and you can add new text in the Text Table.			
Center		When [Horizontal] is selected in [Direction], set whether to display the text in the center of the text display area. ⁽³⁾ "17.9.8 Placing Text When Using Text Tables ■ Text" (page 17-75)			

17.9.6 Alarm Part - Item/Extended (Text Table) Settings Guide

💰 Alarm			×
Parts ID	Basic Item Color Display Sub Display	Switch Cursor Shape	
AD_0000 🕂	Display Characters	Show Item Name	Display Order >>Basic
Comment	Left Margin 0 📑 🏢 🦰	*	Date Trigger
	🔽 Date 🛛 🛛 🗮 🔽	🔻	Message Acknowledge
	🔽 Triggered 5 📑 🖬 🔽		Recovery
	Message 11 🕂 👖 🗹	🖬	
	Acknowledged 5	🖬	
	Recovered 5	🔻	· ·
	🗆 Occurrences 5 📑 🗖	🖬 🕂	
	C Accumulate		
	🗆 Level 7 📑 🖬 🗖		Format
	Address 9		Date yy/mm/dd 💌
	Address1	🔻 🚽	Time 24:00
	Show-Item-Name Settings		
	C Direct Text	Text Table	
	Font Type Standard Font 💌	Size	8 x 16 Pixels 🗸
Alarm Registration		Text Attrib	ute Normal 💌
Alaini negistration	Display Color 🗖 7 💌 Bl	ink 🛛 💽 Shadow C	iolor 🗖 1 💌 Blink None 💌
	Background Color Transparent 💌 Bl	ink None 💌	
Help (H)			OK (0) Cancel

Setting		Description			
Show Item Name Show-Item-Name Settings		Select the check box next to [Show Item Name] to display the text on the Alarm Part. When [Text Table] is selected in [Show-Item-Name Settings], select text to use as an Item Name from the registered Text Tables. If you select [Add Text], the dialog box appears and you can add new text in the Text Table. Configure settings for Item Name display.			
	Font Type	Choose a font type for the Item Name.			
Set a font size		 Set a font size for the Item Name. Standard Font: Specify horizontal and vertical font dimensions in increments of 8 pixels, from [8 x 8] to [64 x 128], or select fixed font sizes of [6 x 10], [8 x 13], or [13 x 23]. When using fixed sizes, you can display only single-byte alphanumeric characters. Stroke Font: 6 to 127 			
	Text Attributes	Select the text attributes. Standard Font: Choose from [Standard], [Bold], [Shadow]. (When using the [6 x 10] font size, select either [Standard] or [Shadow].) Stroke Font: Choose from [Standard], [Bold], [Outline]			
		Select the Item Name's text color.			
	Blink	 Select the blink and blink speed. You can choose blink settings for [Display Color]. NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. * "8.5.1 Setting Colors ■ List of Compatible Colors" (page 8-36) 			

17.9.7 Alarm (Enable Text Table) Settings Guide

🛄 Bas	e 1 (Untitled) 🐹 👩 Alarn				$\triangleleft \triangleright \mathbf{X}$
Alarm	🔽 Enable	e Text Table	Language Change 1:Table 1	ASCII	Export Im
Common	blocks1 blocks2 blocks	3 blocks4 b	locks5 blocks6 blocks7 blocks8		
💿 Bit Mo	onitoring 💦 🔿 Word Monito	oring			
	Jump <u>Auto Allocati</u>	ion	🗸 History 🗸 Log 🗸 Active		
Number	Bit Address	igger Conditi	Message	Level	Sub Display Screen Numbe
1	[PLC1]X00000	ON		• 0	0
2					
3			l: Run 2: Stop		
4			3: Products		
5					
6					
7					
8					
9 10					
11					
12					
13					
14					
10					

Setting	Description
	Select this check box to use the text registered in Text Tables as an Alarm Message. If this option is set, you can change languages of the Alarm Messages to display while the system is active.
Enable Text Table	 NOTE If Alarm Messages are set and then you select this check box, the messages are deleted. The [Language] and [Enable Text Table] settings are available to all Alarms (Alarm History's each block, Banner, and Show Summary). Direct Inputted messages and messages added on a Text Table cannot be displayed at the same time.
Language Change Settings	Displays the [Language Change] dialog box. ☞ " ■ [Language Change] Dialog Box" (page 17-64)
Text Table	Select the Text Table to use.
Message	Select the text to use as a message from the text registered in the table selected in [Text Table]. NOTE When multiple lines of text are selected, only the first line displays
	• When multiple lines of text are selected, only the first line displays.

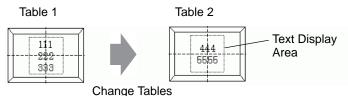
17.9.8 Placing Text When Using Text Tables

Switch Lamp Label

Text Display Area

The size of a Part's text display area changes according to the size specified in the Text Table ([Number of Characters] x [Number of Text Rows]). Even when the number of characters in the Text Table is smaller than the set [Number of Characters] x [Number of Text Rows], the text display area remains the same size. Text always displays in the center of the text display area.

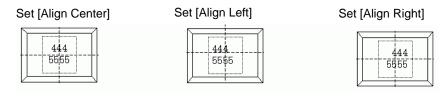
For example, Number of Characters = 6, Number of Text Rows = 3



• When using [Stroke Font], select the Automatically Adjust Text Size check box to automatically adjust the font size so it fits inside the part.

Align ([Align Left], [Align Center], [Align Right])

When multiple rows are set to the Text Table, the row with the largest number of characters (in the following example, the second row, "5555") is fixed and the other rows can be aligned to it with [Align Left], [Align Center], or [Align Right].

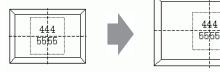


Fixed Position

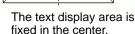
NOTE

When [Fixed Position] is set:

The text display area is always fixed in the center of a Part.

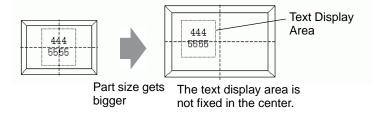






Text Display Area When [Fixed Position] is not set:

You can move the text display area to the desired position on a Part.



Text

Text Display Area

The size of a Draw [Text]'s text display area changes according to the size specified in the Text Table ([Number of Characters] x [Number of Text Rows]). Even when the number of characters in the Text Table is smaller than the set [Number of Characters] x [Number of Text Rows], the text display area remains the same size.

For example, Number of Characters = 6, Number of Text Rows = 3





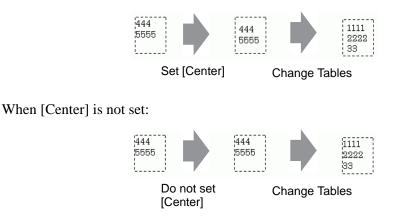
• When using [Stroke Font], select the Automatically Adjust Text Size check box to automatically adjust the font size so it fits inside the part.

Center

Centers the text in the Text Display Area.

If you specify the second row text in table 1, or the third row text in table 2, the text displays in the center of the display area.

When [Center] is set:



Align ([Align Left], [Align Center], [Align Right])

Set [Align Left]

When multiple rows are set to the Text Table, the row with the largest number of characters (in the following example, the second row, "5555") is fixed and the other rows can be aligned to it with [Align Left], [Align Center], or [Align Right].

Set [Align Center]

Set [Align Right]

444 5555	444 5555	5555

Automatically Adjust Text Size

When using [Stroke Font] and you select the [Automatically Adjust Text Size] check box, the text size is automatically adjusted to fit. However, if minimized text does not fit in the frame, any text that exceeds the frame size does not display.

When all text fits in the frame	When minimized characters do not fit in the frame			
111 12222 133	111111 2222222222222 33333333333	11111111111 11111 22222222222222 33333333		

With [Stroke Font], when you select the [Automatically Adjust Text Size] check box, the text size is maximized as defined.

```
111111
222222
333333
```

NOTE

• Automatically Adjust Text Size is not available for vertical text.

Message Display

Text Display Area

The size of a Message Display's text display area changes according to the size specified in the Text Table ([Number of Characters] x [Number of Text Rows]). Even when the number of characters in the Text Table is smaller than the set [Number of Characters] x [Number of Text Rows], the text display area remains the same size.

For example, Number of Characters = 6, Number of Text Rows = 3



Change Tables

```
NOTE
```

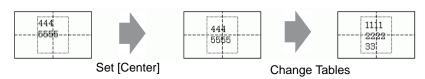
• When using [Stroke Font], select the Automatically Adjust Text Size check box to automatically adjust the font size so it fits inside the part.

Center

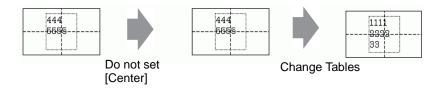
Displays the text in the center of the Text Display Area.

If you specify the second row text in table 1, or the third row text in table 2, the text displays in the center of the display area.

When [Center] is set:



When [Center] is not set:



Align ([Align Left], [Align Center], [Align Right])

When multiple rows are set to the Text Table, the row with the largest number of characters (in the following example, the second row, "5555") is fixed and the other rows can be aligned to it with [Align Left], [Align Center], or [Align Right].

Set [Align Left]

Set [Align Center]

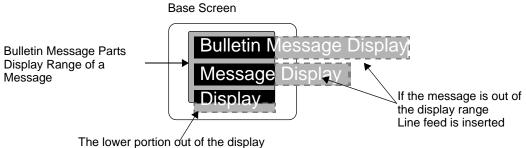
Set [Align Right]

444	44 4 5555	444

17.9.9 Bulletin Message Parts

Display Range of a Message

- When the display range of the message exceeds one row, line feed is automatically inserted according to the display range and the character width.
- The number of characters that can be displayed differs depending on the font size.
- If the lower portion of the text exceeds the display range, such a portion is not displayed.



range is not displayed

Format of Specified Address

In accordance with the following format, values are used with the specified internal address.

Address	Setting				
Specified Address+0	Display Trigger				
Specified Address+1	Window Number				
Specified Address+2	X coordinate of the window display position	Reserved address that is not used for Bulletin			
Specified Address+3	Y coordinate of the window display position	Message Parts			
Specified Address+4	Language				
Specified Address+5	Font				
Specified Address+6	Text Size				
Specified Address+7	Number of Characters				
Specified Address+8	Text Color				
Specified Address+9	Text Background Color				
Specified Address+10	Blink				
Specified Address+11	Text				
:	:				
Specified Address+n	Text				
Specified Address+n+1	Number of Characters				
Specified Address+n+2	Text Color				

Continued

Address	Setting
Specified Address+n+3	Background Color
Specified Address+n+4	Blink
Specified Address+n+5	Text
:	:
Specified Address+x	Text
Specified Address+x+1	End of the text (Number of characters)

Settings are stored according to the device size of the specified internal address.

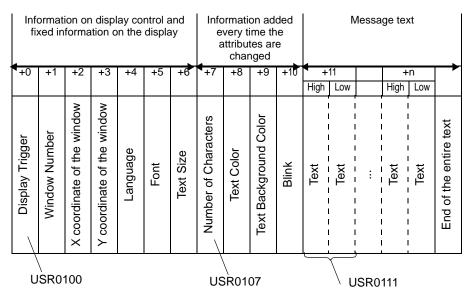
When 16 bit device is specified
 Data is used in units of words according to the device size.

For example, specified address is USR0100

	Information on display control and fixed information on the display			e	ormati very ti attribu char	ime th tes ar	e		Mes	sage	text				
+0	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11	+12			
Display Trigger	Window Number	X coordinate of the window	Y coordinate of the window	Language	Font	Text Size	Number of Characters	Text Color	Text Background Color	Blink	Text	Text		Text	End of the entire text
ι	JSR0	100					USR	0107		US	R011	1	USF	R0112	2

• When 32 bit device is specified Data is used in Double Word units according to the device size. However, the Text setting is used in units of words.

For example, specified address is LS0100



Specified Address+0: Display Trigger

Set to display/delete the message.

	5	4	3	2	1	0
Reserved		Displayed State	Reserved			Display/Delete

• Same bit is used regardless of the size of the specified device (16 bit/32 bit device).

State	Display/Delete Bit: Bit 0	Displayed State Bit: Bit 4	
Delete	OFF	OFF	
Delete	OFF	ON	
Display	ON	OFF	
Displayed	ON	ON	

The action in each state is as follows.

• Delete

The message is deleted when the bit is turned OFF (Deleted State), and the Displayed State Bit is updated to OFF.

• Display

The message is displayed according to the value of the address after Language (Specified Address+4).

The Display Completion bit will be updated to ON.

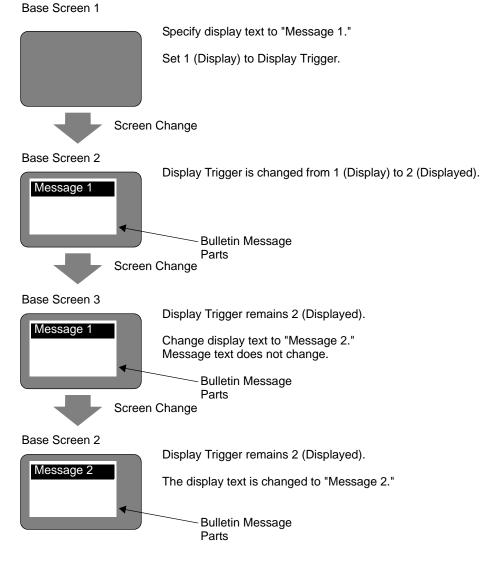
• Displayed

The state in which the message display is completed. To update the message, follow either one of the following procedures.

- [Display] (Turn OFF the Displayed State bit)
- [Delete], and then [Display]
- Display when Screen Changed

When the specified address of the Bulletin Message Parts to which the screen will be changed is in [Display] or [Displayed] state, the text will be displayed within the message display range after the screen is changed.

For example, same specified address is applied to all the Bulletin Message Parts set on the screen



Specified Address+1: Window Number

Specified Address+2: X coordinate of the window display position

Specified Address+3: Y coordinate of the window display position

Reserved addresses that are not used for Bulletin Message Parts

These addresses are used for window screen display if the internal address specified when [Indirect] is selected in the [Global Window Operation] setting is the same as the specified address of the Bulletin Message Parts.

NOTE [©] "5.17.6 [System Settings] Setting Guide ♦ Mode" (page 5-152)

Specified Address+4: Language

Select a language for the text to display.

Language	Language Code
Europe	0x0000
Korea	0x0001
Taiwan	0x0002
China	0x0003
Japan	0x0004
Cyrillic (Stroke Font only)	0x0005
Thai (Stroke Font only)	0x0006

• Message will not be displayed when a language code other than the above is set.

Specified Address+5: Font

Set text font for the message to display.

Font	Value
Standard Font	0
Stroke Font	1

• Standard font (stroke font for Cyrillic and Thai) will be applied when a value other than the above is set for the font.

Specified Address+6: Text Size

Set the size of the text for the message to display. The text sizes are as follows.

Text Size	Value
8x16	0x0810
8x32	0x0820
8x64	0x0840
16x16	0x1010
16x32	0x1020
16x64	0x1040
32x16	0x2010
32x32	0x2020
32x64	0x2040

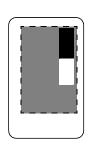
- Only vertical size is applied for Stroke Font.
- When a value other than the supported text size values is set, an error message indicating a font reading error will be displayed.

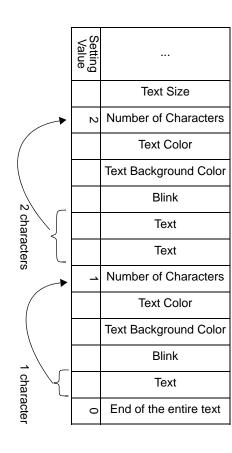
Specified Address+7: Number of Characters

Set the number of characters on which Text Color (Specified Address+8), Text Background Color (Specified Address+9) and Blink (Specified Address+10) are applied. Superposed characters such as Thai and Cyrillic, which are displayed as one character using two character codes, should be calculated as one character with 2 bytes.

- Number of Characters (Specified Address+7), Text Color (Specified Address+8), Text Background Color (Specified Address+9) and Blink (Specified Address+10) must be set collectively as one setting.
- When the number of characters differs from Number of Characters (Specified Address+7), text will not be displayed properly. For example, different text from the set text may be displayed.
- When the total number of characters exceeds 160, only 160 characters will be displayed.

For example, displaying the following message on the base screen.





Specified Address+8: Text Color

Specified Address+9: Text Background Color

Set the display color for text.

Text color can be changed for each character.

- Number of Characters (Specified Address+7), Text Color (Specified Address+8), Text Background Color (Specified Address+9) and Blink (Specified Address+10) must be set collectively as one setting.
- Set to the head of the text you want to change.
- When a value other than the setting value is set, the lower bit 11 is used to display.

Number	RGB	Number	RGB	Number	RGB	Number	RGB
0	(0.0.0)	1	(0.0.255)	2	(0.255.0)	3	(0.255.255)
4	(255.0.0)	5	(255.0.255)	6	(255.255.0)	7	(255.255.255)
8	(0.0.64)	9	(0.0.160)	10	(0.64.0)	11	(0.64.64)
12	(0.64.160)	13	(0.64.255)	14	(0.160.0)	15	(0.160.64)
16	(0.160.160)	17	(0.160.255)	18	(0.255.64)	19	(0.255.160)
20	(64.0.0)	21	(64.0.64)	22	(64.0.160)	23	(64.0.255)
24	(64.64.0)	25	(64.64.64)	26	(64.64.160)	27	(64.64.255)
28	(64.160.0)	29	(64.160.64)	30	(64.160.160)	31	(64.160.255)
32	(64.255.0)	33	(64.255.64)	34	(64.255.160)	35	(64.255.255)
36	(160.0.0)	37	(160.0.64)	38	(160.0.160)	39	(160.0.255)
40	(160.64.0)	41	(160.64.64)	42	(160.64.160)	43	(160.64.255)
44	(160.160.0)	45	(160.160.64)	46	(160.160.160)	47	(160.160.255)
48	(160.255.0)	49	(160.255.64)	50	(160.255.160)	51	(160.255.255)
52	(255.0.64)	53	(255.0.160)	54	(255.64.0)	55	(255.64.64)
56	(255.64.160)	57	(255.64.255)	58	(255.160.0)	59	(255.160.64)
60	(255.160.160)	61	(255.160.255)	62	(255.255.64)	63	(255.255.160)

The following 64 colors are supported.

NOTE

• Color code is the same as in the settings in GP-Pro EX.

For example, Bulletin Message Parts are set on the base screen and the specified address is USR0100

Display text is "Standard Message Display".

Text color and background color for "Standard Message" are white and black, respectively.

Text color and background color for "Display" are black and white, respectively.

	Specified Ac	ldress	Base Screen
Number of Characters	USR0107	8 (Number of characters)	r
Text Color	USR0108	7: White	Standard
Text Background Color	USR0109	0: Black	Message Display
Blink	USR0110	0: No Blink	
Text	USR0111		
	:	-	
Number of Characters	USR0118		Bulletin Message
Text Color	USR0119	2 (Number of characters)	Parts
Text Background Color	USR0120	0: Black	
Blink	USR0121	7: White	
Text	USR0122	0: No Blink	
Text	USR0123		
End of the text	USR0124		
	USR0125	0 (End of the text)	
		J	

Specified Address+10: Blink

Set the text to blink or not to blink.

Blink	Value
No Blink	0
Medium Speed Blink	1
Low Speed Blink	2
High Speed Blink	3

- Number of Characters (Specified Address+7), Text Color (Specified Address+8), Text Background Color (Specified Address+9) and Blink (Specified Address+10) must be set collectively as one setting.
- When a value other than the values to blink is set, no blink will be specified.

Specified Address+11: Text

Set text to display in the display range.

Text to be stored in the address is UNICODE.

When line feed is set for the display text, line feed will be inserted.

The maximum number of characters that can be displayed is 160 characters (including line feed).

• When data is set to the internal address, Text Data Mode should be considered. For more details, please refer to the following.

"■ Storing Data according to Text Data Mode" (page 17-87)

Specified Address+n+x+1: End of the text (Number of characters)

The end of the text to be displayed as Bulletin Message is specified. This should be fixed to 0 (0x00).

Storing Data according to Text Data Mode

When data is set to the internal address, Text Data Mode should be considered. The method for storing setting items to the internal address in order to display Bulletin Message differs depending on the device used and Text Data Mode.

USER Area

Regardless of the storage order setting of Text Data Mode, the storage order is fixed to L/H (little endian).

	Storage Order		
	High	Low	
Specified Address+0	2	- 1	
Specified Address+1	4	3	
Specified Address+2	6	5	
Specified Address+3			
	I		

* Addition in the Specified Address is based on Words.

For example, when USR0100 is specified for the internal address and three characters with text data of 0x1234, 0xABCD and 0x5678 are stored (Display Trigger: 0, Text Color: 7, Text Background Color: 0, Blink: 1).

High	Low	Setting Item
0x00	0x00	Display Trigger
0x00	0x03	Number of Characters
0x00	0x07	Text Color
0x00	0x00	Text Background Color
0x00	0x01	Blink
0x34	0x12	Text
0xCD	0xAB	Text
0x78	0x56	Text
0x00	0x00	End of the text
	0x00 0x00 0x00 0x00 0x00 0x00 0x34 0xCD 0x78	0x00 0x00 0x00 0x03 0x00 0x03 0x00 0x07 0x00 0x00 0x00 0x01 0x34 0x12 0xCD 0xAB 0x78 0x56

♦ 16 Bit LS Area and Memory Link System Area

Depends on the settings in Text Data Mode.

• HL order (Text Data Mode: 1, 3, 5, 8)

	Storage Order		
	High	Low	
Specified Address+0		→ ²	
Specified Address+1	3 🖌	→ 4	
Specified Address+2	5 🖌	→ 6	
Specified Address+3		-	

* Addition in the Specified Address is based on Words.

For example, when LS0100 is specified for the internal address and three characters with text data of 0x1234, 0xABCD and 0x5678 are stored (Display Trigger: 0, Text Color: 7, Text Background Color: 0, Blink: 1).

	High	Low	Setting Item
LS0100	0x00	0x00	Display Trigger
LS0107	0x00	0x03	Number of Characters
LS0108	0x00	0x07	Text Color
LS0109	0x00	0x00	Text Background Color
LS0110	0x00	0x01	Blink
LS0111	0x34	0x12	Text
LS0112	0xCD	0xAB	Text
LS0113	0x78	0x56	Text
LS0114	0x00	0x00	End of the text
LS0115			
	i		

• LH Order (Text Data Mode: 2, 4, 6, 7)

	Storage Order		
	High	Low	
Specified Address+0	2	— 1	
Specified Address+1	4	3	
Specified Address+2	6	▲ 5	
Specified Address+3			

* Addition in the Specified Address is based on Words.

For example, when LS0100 is specified for the internal address and three characters with text data of 0x1234, 0xABCD and 0x5678 are stored (Display Trigger: 0, Text Color: 7, Text Background Color: 0, Blink: 1).

	High	Low	Setting Item
LS0100	0x00	0x00	Display Trigger
LS0107	0x03	0x00	Number of Characters
LS0108	0x07	0x00	Text Color
LS0109	0x00	0x00	Text Background Color
LS0110	0x01	0x00	Blink
LS0111	0x12	0x34	Text
LS0112	0xAB	0xCD	Text
LS0113	0x56	0x78	Text
LS0114	0x00	0x00	End of the text
LS0115			

♦ 32 Bit LS Area and Memory Link System Area

Depends on the settings in Text Data Mode.

• HL order (Text Data Mode: 1, 2, 3, 7)

	Storage Order			
	Hig	gh	Low	
	High	Low	High	Low
Specified Address+0	1	▶ 2 _	► 3 —	→ 4
Specified Address+1	5 🖣	→ 6 —	▶ 7 _	→ 8
Specified Address+2	₩ i			
Specified Address+3				
	1			

* Addition in the Specified Address is based on Double Word units.

For example, when LS0100 is specified for the internal address and three characters with text data of 0x1234, 0x5678 and 0x9ABC are stored.

	Hig	High		W	Setting Item
	High	Low	High	Low	
LS0100	0x00	0x00	0x00	0x00	Display Trigger
			:		
LS0107	0x03	0x00	0x00	0x00	Number of Characters
LS0108	0x07	0x00	0x00	0x00	Text Color
LS0109	0x00	0x00	0x00	0x00	Text Background Color
LS0110	0x01	0x00	0x00	0x00	Blink
LS0111	0x12	0x34	0x56	0x78	Text
LS0112	0x9A	0xBC	Unused	Unused	Text
LS0113	0x00	0x00	0x00	0x00	End of the text
LS0114					
LS0115					

(Display Trigger: 0, Text Color: 7, Text Background Color: 0, Blink: 1)

• LH order (Text Data Mode: 4, 5, 6, 8)

	Storage Order					
	Hi	gh	Low			
	High	Low	High	Low		
Specified Address+0	4	3	<u> </u>	1		
Specified Address+1	8 ◀	7 ↓	6 ◀	▼ 5		
Specified Address+2				•		
Specified Address+3						
		1		1		

* Addition in the Specified Address is based on Double Word units.

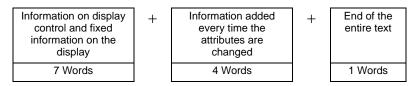
For example, when LS0100 is specified for the internal address and three characters with text data of 0x1234, 0x5678 and 0x9ABC are stored

	High		Lo	w	Setting Item
	High	Low	High	Low	
LS0100	0x00	0x00	0x00	0x00	Display Trigger
		•		•	
			:		
LS0107	0x00	0x00	0x00	0x03	Number of Characters
LS0108	0x00	0x00	0x00	0x07	Text Color
LS0109	0x00	0x00	0x00	0x00	Text Background Color
LS0110	0x00	0x00	0x00	0x01	Blink
LS0111	0x78	0x56	0x34	0x12	Text
LS0112	Unused	Unused	0xBC	0x9A	Text
LS0113	0x00	0x00	0x00	0x00	End of the text
LS0114		I		÷ I	
LS0115		l I		T I	

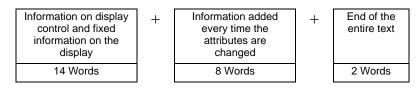
(Display Trigger: 0, Text Color: 7, Text Background Color: 0, Blink: 1)

Range of Internal Address Used

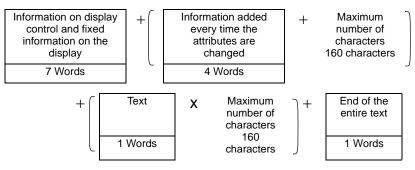
- Considering one character is 2 bytes, up to 160 characters (320 bytes) can be used.
- Superposed characters such as Thai and Cyrillic, which are displayed as one character using two character codes, use 2 bytes for one character.
- 1 word is 2 bytes.
- The minimum number of characters that can be used in a 16-bit device is 12 words. (Number of Characters [Specified Address+7] is 0; No characters to be displayed)



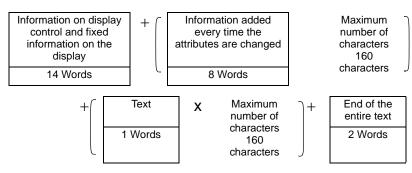
• The minimum number of characters that can be used in a 32-bit device is 24 words. (Number of Characters [Specified Address+7] is 0; No characters to be displayed)



• The maximum number of words that can be used in a 16-bit device is 808 words when an attribute such as Text Color is changed for each of the maximum number of characters (160 characters) that can be displayed.



• The maximum number of words that can be used in a 32-bit device is 1,456 words when an attribute such as Text Color is changed for each of the maximum number of characters (160 characters) that can be displayed.



17.10 Restrictions

17.10.1 Restrictions on Message Display

Direct Input

• If a message is unregistered, the Message Display appears empty. For example, when the number of messages is 16 and only 0 to 3 have a registered message, states 4 to 15 appear as display only the Message Display frame.

Text Display

- When the data designated as [Display Start Row] has no corresponding row, no operation occurs. The previously displayed rows remain.
- If a message input exceeds the [Display Characters], the overflowing portion does not display.Please ensure that messages remain within the [Display Characters].

Bulletin Message

- Addresses that can specify LS area, USER area or memory link system area can be used for the internal address.
- Display of Bulletin Message using the Window Screen of Global Window Operation is
 performed according to the display priority of window screens.
 Therefore, while a Special Window that has higher priority such as Security Password
 Input Screen is displayed, the Window Screen of Global Window Operation that is a User
 Window cannot be displayed, so a Bulletin Message cannot be displayed either.
 Display of a Bulletin Message using the Window Screen of Global Window Operation has
 higher priority than the display of the other User Windows.
- Refer to the following for details on the window type and priority of User Windows and Special Windows.
 - "12.8 Restrictions for Windows" (page 12-29)
- The device monitor and Global Window screen cannot be displayed at the same time. If a Bulletin Message is displayed on all of the screens, the device monitor display operation is as follows.
 - 1. When you attempt to display the Global Window Screen while displaying the device monitor, the device monitor display is closed and the Global Window Screen is displayed.
 - 2. When you attempt to display the device monitor screen while displaying a Global Window, the Global Window is closed and the device monitor is displayed.
 - 3. In the case of 2 above, when the device monitor is closed, Global Window Screen is displayed again.
 - 4. In the case of 2 above, when the Global Window Screen is closed, the Global Window Screen and device monitor display disappear.

^C "5.17.6 [System Settings] Setting Guide ♦ Mode" (page 5-152)

- Text that is out of the display range of Bulletin Message cannot be displayed.
- If the text has over 160 characters, only the first 160 characters can be displayed, regardless of the display range of the Bulletin Message.

- If the specified number of characters exceeds the address range of the internal address, the message is not displayed properly.
 Even when the number of characters to be displayed is within 160 characters, if the number of characters that exceeds the internal address range is specified, a reading error occurs and the specified number of characters cannot be displayed.
- If the lower portion of the text exceeds the display range, such a portion is not displayed.
- If the Number of Characters (Specified Address+7) specified in the address of the Bulletin Message Parts is invalid, the message is not displayed properly.
- When storing data to the specified address, check the settings of Text Data Mode (High/Low).

If the settings are different from Text Data Mode, the message is not displayed properly.

- " Storing Data according to Text Data Mode" (page 17-87)
- Language, Font and Text Size cannot be changed for each character.
- In order to set Text Color, Text Background Color and Blink for each character, storage area for the attribute of the target character is necessary for each setting.
- The following features are not supported by Bulletin Message Parts.
 - 1. Display angle for the vertical model (Angle: fixed to 0 degree)
 - 2. Line spacing setting
 - 3. Aligning the displayed text to the left/right/center
 - 4. Vertical text (Direction: fixed to horizontal)

17.10.2 Language Change (Multilanguage) Restrictions

- If you change languages, all the text using the Text Table changes. The text registered in the Text Table can be used for the following features.
 - Text
 - Switch Lamp Part Label
 - Alarm Part Item Name
 - Messages to register in a Message Display [Direct Input]
 - Alarm Messages to register in the Common [Alarm]
- If Multilanguage display is specified for the text, changing the language also changes the text in messages [Text Display] and [Text Alarm] parts.
- You cannot change the text in the Data Display [Text Display]. Nor can you use changing language to change item names and text that display on a Sampling Data Display or Special Data Display.
- Multiple text tables cannot display at the same time.
- Changing languages acts the same as changing screens. Screens that display before changing languages may not display after the change.

Changing Alarm Language

- When you set [Enable Text Table] in [Alarm], the existing messages are deleted.
- When registering Alarm Messages, Direct Input text and Text registered in a Text Table are set to all Alarms (Banner, Alarm History, Summary). Direct Input text and Text registered on a Text Table cannot display at the same time.
- For text registered on a Text Table with two or more lines, only the first line will be displayed/printed.

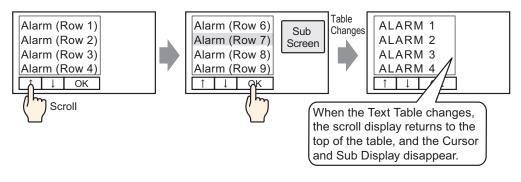
Alarm History and Summary

• When setting an Alarm History Switch on the Alarm Part's [Switch] tab, you cannot use a Text Table for the label. If you want to change languages for an Alarm History Switch, use a Switch Lamp part's Special Switch.

⁽³⁷⁾ "10.15.4 Special Switch" (page 10-70)

• When you change a text table, the screen displays the initial state (the display state immediately after a screen change). Accordingly, any scroll movement or displayed Sub Screens is canceled when the text table changes.

For example,



- Do not change the String Table (Language) while saving an Alarm History on a CF Card or USB storage device. If you do so, the file may not be displayed properly in a third-party software product, such as a spreadsheet.
- Also, the text in a different language will be output in the CSV File. Do not change the text table language while printing an Alarm History. If the text table language is changed the printout may contain gaps.
- When saving in CSV or when printing an Alarm History, "Date", "Trigger", item names are displayed in Japanese if the language of the Alarm Message (Text Table) is in Japanese. They are displayed in English if the Alarm Message is in another language (ASCII, Korean, Chinese (Traditional), Chinese (Simplified), and Cyrillic, Thai).

Banner

• If the text table language is changed while an alarm message is scrolling, the language changes at the start of the next message.

17.10.3 Restrictions on Display Unit File Creation

- In order to use this feature, from [Display Unit] in [System Settings], go to [Extended Settings] [Load Text Table] and select the [Enable Load Text Table] check box.
- When it is configured for the external files to be read during startup, it may take some time to start up the display unit.
- Files with a table number that is not set for the project file being transferred to the display unit cannot be read.
 - Index numbers that are not specified cannot be read either.
- Settings of the project file being transferred to the display unit are applied on the number of characters for Text Table. If the number of characters of the external file is greater, the exceeded characters cannot be read.
- Files other than CSV files cannot be read.
- When the data type of the external file and the language setting of the Text Table being transferred to the display unit are different, the Text Table is rewritten but may not be displayed property.

17.10.4 Restrictions on Text Table Converter

- While converting the text table, if there is text that matches already registered text during the search, only the initially registered text remains valid.
- The Text Table supports up to 10000 indexes. If Text Table conversion produces more than 10000 indexes, an error message appears, and only text up to that point is stored.