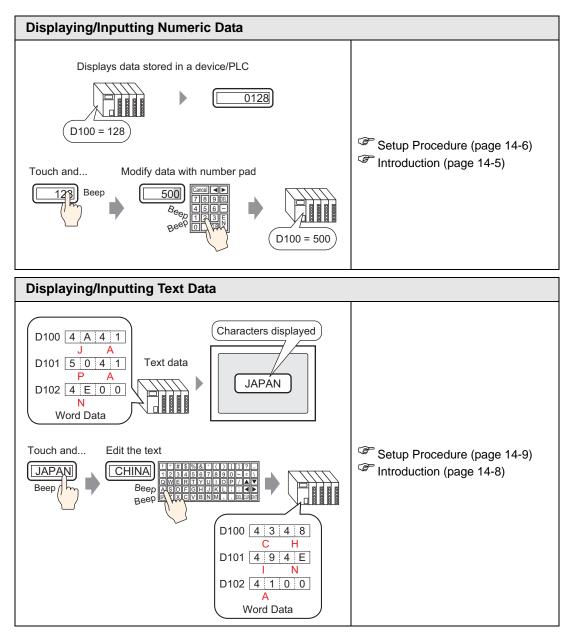
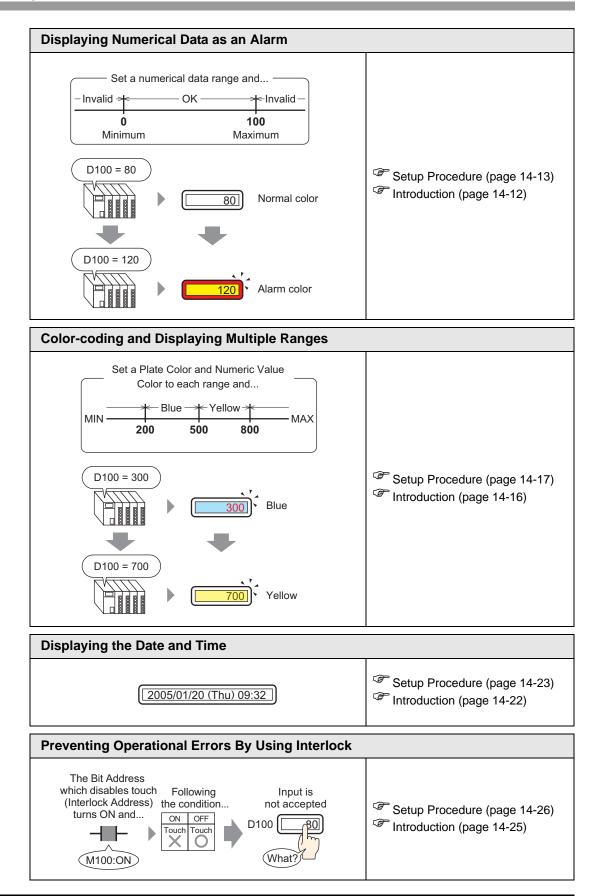
14 Data Display/ Data Input

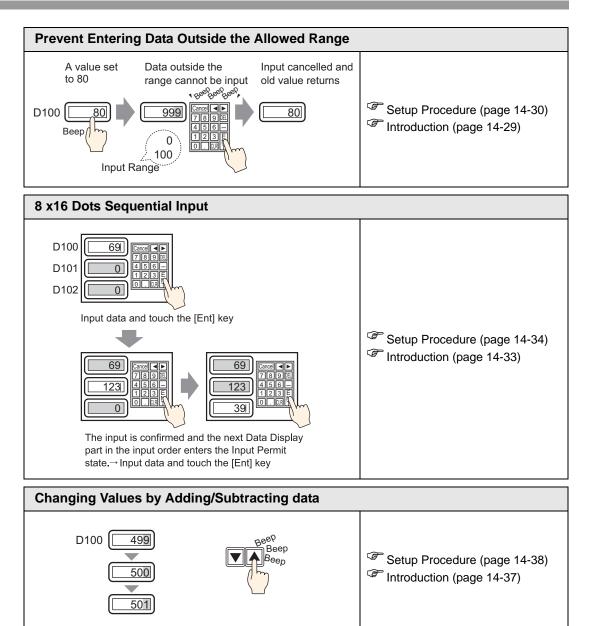
This chapter explains how to use "Data Display & Data input" to place data display parts. Please start by reading "14.1 Settings Menu" (page 14-2), and then turn to the corresponding page.

14.1	Settings Menu	14-2
14.2	Displaying/Inputting Numeric Data	14-5
14.3	Displaying/Inputting Text Data	14-8
14.4	Displaying Numerical Data as an Alarm	14-12
14.5	Color-coding and Displaying Multiple Ranges	14-16
14.6	Displaying the Date and Time	14-22
14.7	Preventing Operational Errors By Using Interlock	14-25
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14.9	8 x16 Dots Sequential Input	14-33
14.10	Changing Values by Adding/Subtracting data	14-37
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14.12	Restrictions	14-118
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14.1 Settings Menu



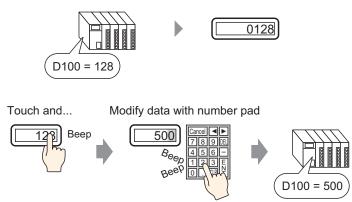




14.2 Displaying/Inputting Numeric Data

14.2.1 Introduction

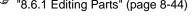
Displays data stored in a device/PLC

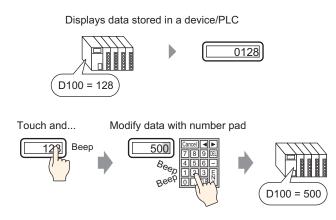


Display data stored in a designated word address in the device /PLC as a numeric value. Furthermore, by specifying Input Permission settings, you can display a number pad on the screen and input data to a designated word address.

14.2.2 Setup Procedure

NOTE	• Please refer to the Settings Guide for details.
	🏈 "14.11.1 Numeric Display" (page 14-44)
	• For details of the part placement method and the address, shape, color, and
	label setting method, refer to the "Part Editing Procedure".

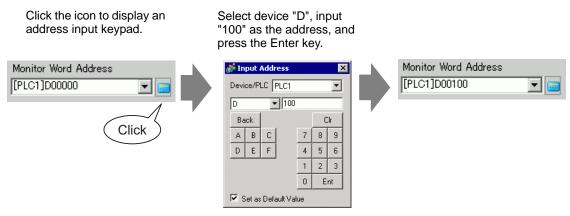




- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the **123** icon, and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

💕 Data Display	X
Parts ID DD_0000 😁 Comment	Basic Display Alam/Color Operation Process Display Data Display Text Display Date/Time Display Show Limit Value Input Display Input Display
Select Shape	Monitor Word Address [PLC1]D00000 Allow Input Specify Input/Display Range Data Type IS Bit Dec Sign +/- Round Off
	Contraction Log
Help (H)	OK (D) Cancel

- **3** Select the Data Display shape from [Select Shape].
- 4 In [Monitor Word Address], set the address (D100) that will store the Value to display.



5 In the [Data Type] drop-down list, set the type of data to display (for example, "16 Bit Dec").

Monitor Word Address [PLC1]D00100 🗾 🥅 🦳 Allow Input		
Specify Input/Display Range	-	
Data Type 16 Bit Dec 16 Bit Dec 16 Bit Hex 16 Bit Hex 16 Bit Oct 16 Bit Bin 16 Bit Bin 32 Bit Dec 32 Bit Hex 32 Bit Bin	🗖 Sign +/- 🔲 Round Off	

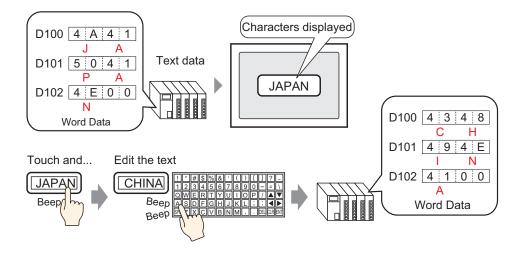
6 Select the [Allow Input] check box. Ensure the [Enable Popup Keypad] check box is selected. You can enter numerical data from the pop-up keypad.

Numeric Display Text Display Date/Time Display Statistical Data Display Monitor Word Address Image Image Image Image Monitor Word Address Image Image Image Image Specify Input/Display Range Image Image Image Image Data Type 16 Bit Dec Image Image Image		12)3
[PLC1]D00100	Show Limit Value	Input Disp
Data Tupe 15 Bit Dec 💌 🗖 Sign + 4 🖉 Bound		>Extended
	I Off	

7 As needed, set the Data Display color and text on the [Alarm/Color] tab and [Display] tab, and click [OK].

14.3 Displaying/Inputting Text Data

14.3.1 Introduction



Display text data stored in a specified word address on the device (PLC).

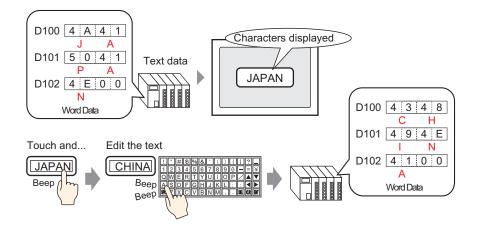
There are two methods for changing Text Data: change the displayed screen, or use a trigger bit.

Furthermore, by specifying Allow Input settings, you can display a keypad on the screen and input text data to a designated word address.

14.3.2 Setup Procedure

Please refer to the Settings Guide for details. "14.11.2 Text Display" (page 14-87) For details of the part placement method and the address, shape, color, and

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



- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Text Display (S)], or click and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

💰 Data Display	X
Parts ID DD_0000 Comment Comment Select Shape T No Shape	Basic Display Color Display Data Numeric Ted Display Determine Statistical Display Color Ted Display Determine Statistical Data Display Show Limä Input Display Mornicor Word Addres [PLC1]D00000 (PLC1]D00002
Help (H)	OK (0) Cancel

3 Select the Data Display shape from [Select Shape].

Click the icon to display an

4 Click the [Display] tab, and enter the number of characters from 1 to 100 into the [Display Characters] field. When working with double-byte characters, each double-byte character counts as two characters.

Basic Display Color	1		
Font			
Font Type	Standard Font 📃 💌	Size	8 x 16 Pixels 💌
Display Language	ASCII	Text Attribute	Normal
Display Characters 5 Display Style E = =	Fixed Position		

5 Click the [Basic Settings] tab, and in [Monitor Word Address], set the address (D100) that will store the Value to display.

Select device "D", input

address input keypad. "100" as the address, and press the Enter key. Monitor Word Address Monitor Word Address Input Address х [PLC1]D00000 [PLC1]D00100 Device/PLC PLC1 Ŧ • Ŧ ▼ 100 D Back Clr Click А В С 7 8 9 D E F 4 5 6 1 2 3 0 Ent Set as Default Value

6 The last address of the Word Address (Monitor Word Address + Display characters) displays.

Monitor Word Addre	ss	Allow Input
-	[PLC1]D00102	

• Use two characters for one word in single-byte characters, and one character for one word in double-byte characters.

7 Select the [Allow Input] check box. Ensure the [Enable Popup Keypad] check box is selected. You can enter text data from the pop-up keypad.

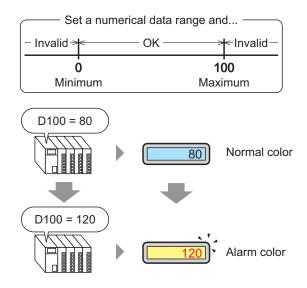
Basic Display	Color Data		h %		123
Numeric Display	Text Display	Date/Time Display	Statistical Data Display	Show Limit Value	Input Display
Monitor Word A	ddress		Allow Input	<u>>></u>	Extended
	. [[PLC1]	D00102			

8 If necessary, set the Data Display color and text on the [Color] tab and [Display] tab, and click [OK].

NOTE	• For more information about Text Displays, refer to "14.12.1 Text Display
	Restrictions" (page 14-118).

14.4 Displaying Numerical Data as an Alarm

14.4.1 Introduction

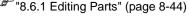


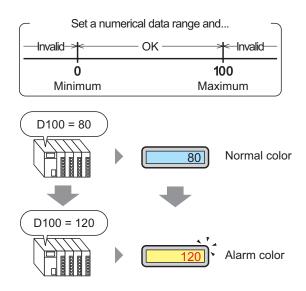
Set a range with preset numeric values.

If the numerical data is outside the range, the display color changes and the user is notified (for example, with an alarm).

14.4.2 Setup Procedure

NOTE	Please refer to the Settings Guide for details.
	^C [™] "14.11.1 Numeric Display ■ Alarm/Color Settings/Basic" (page 14-77)
	• For details of the part placement method and the address, shape, color, and
	label setting method, refer to the "Part Editing Procedure".
	\mathcal{P} "9.6.1 Editing Ports" (page 9.44)



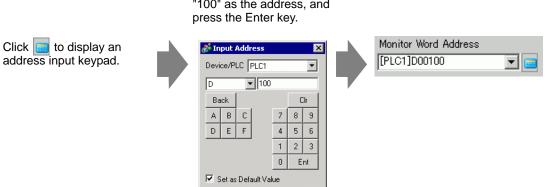


1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the **123** icon, and place it on the screen.

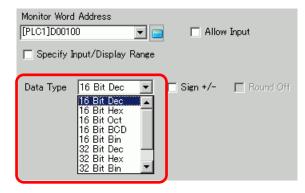
2 Double-click the placed Data Display. The following dialog box appears.

💣 Data Display	×
Parts ID DD_0000 ** Comment ABC Select Shape No Shape	Basic Display Alam/Color Operation Process
Help (H)	Get Operation Log OK (0) Cancel

- **3** Select the Data Display shape from [Select Shape].
- 4 In [Monitor Word Address], set the address (D100) that will store the Value to display.



Select device "D", input "100" as the address, and 5 In the [Data Type] drop-down list, set the type of data to display (for example, "16 Bit Dec").



6 Click the [Alarm/Color] tab, and select the [Alarm Settings] check box.

💕 Data Display		×
Parts ID	Basic Display Alarm/Color Operation Process Data Entry	
DD_0000 🛨	>>E	Extended
Comment		
	1	
ABC	Border Color	
	Numeral Value Color Shadow Color	
	6 F Blink None 7 F Blink Non	e 🔽
Select Shape	Plate Color	
🗖 No Shape	1 Blink None	
	Pattern	
	None	
	Alarm Settings	
	Alarm Action Direct Alarm Range Inside the Display Alarm Range	
		3 🖬 📗
	Alarm Color Plate Color	
	Numeral Value Color	
	Blink None I Blink None	
Help (H)	OK (0)	Cancel

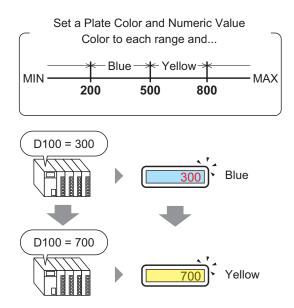
- 7 In [Alarm Action], select the Upper/Lower Limit Value specification method from either [Direct] or [Address] (for example, [Direct]).
- 8 In [Alarm Range], set the Upper Limit (for example, 100) and Lower Limit (for example, 0).



- **9** In [Alarm Color], set the [Numeral Value Color] (for example, Red) and the [Plate Color] (for example, Yellow).
- 10 As needed, set the Data Display text on the [Display] tab, and click [OK].

14.5 Color-coding and Displaying Multiple Ranges

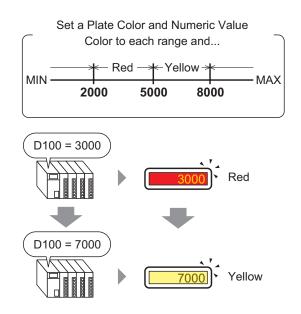
14.5.1 Introduction



By setting colors for each range, values will change colors when they reach the set range. You can change the Plate/Text color.

14.5.2 Setup Procedure

NOTE	• Please refer to the Settings Guide for details.
	"14.11.1 Numeric Display" (page 14-44)
	• 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)



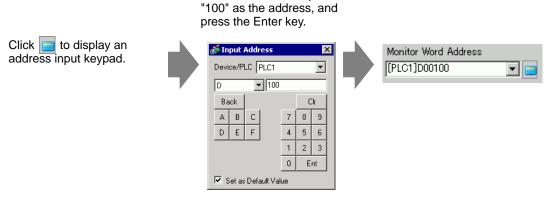
1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the **123** icon, and place it on the screen.

2 Double-click the placed Data Display. The following dialog box appears.

💰 Data Display	X
Parts ID DD 0000 Comment Select Shape No Shape	Basic Display Alarm/Color Operation Process Display Data Numeric Text Display Date/Time Data/Time Statistical Data Display Value Imput Display Pange Data Type 16 Bit Dec Sign +/- Round Off
	E Get Operation Log
Help (H)	OK (D) Cancel

- **3** Select the Data Display shape from [Select Shape].
- 4 In [Monitor Word Address], set the address (D100) that will store the Value to display.

Select device "D", input



5 In the [Data Type] drop-down list, select the type of data to display (for example, "16 Bit Dec").

NOTE	• Set [Specify Input/Display Range] so the numeric data can be converted
	comparatively and displayed.

6 Click the [Alarm/Color] tab, and click [Extended].

💰 Data Display		×
Parts ID	Basic Distray Alarm/Color Operation Process Data Entry	
DD_0000 🛨	>>Ex	tended
Comment		
	1	
ABC	Border Color	
	Numeral Value Color Shadow Color	
	6 V Blink None 7 Blink None	T
Select Shape	Plate Color	
🗖 No Shape	1 Slink None	
	Pattern	
	None	
	Alarm Settings	
	Alarm Action Direct	
	Alarm Color Plate Color	
	Numeral Value Color	-
	Blink None Blink None	
Help (H)	OK (0) C	ancel

7 In [Ranges], set the number of ranges (for example, 4).

Ranges	4		<u>.</u>	畫) s
	BS	CL	.R	Саг	ncel
	7	8	9	Α	в
1	4	5	6	С	D
	1	2	3	E	F
Bange	0	-		i El	NT

8 Select a method of specifying the range of minimum and maximum values in [Specify Range] from [Constant], [Address] (Constant).

<< Basic	
onstant 💌	
	onstant

9 Select 1 from [Alarm Color Display Bar] and set the Min. and Max. values for [Range 01]. For example, Min. Value = 0, Max. Value = 2000

1	2	3	4
Range Range Number	0 <= Range01 < 16383		
Range01 Min.	0 📄	Max. 163	83 🚍 🏢

10 In [Alarm Color], set the [Numeral Value Color] (for example, Yellow) and the [Plate Color] (for example, Blue) for [Range 01].



11 Select 2 from [Alarm Color Display Bar] and set the Min. and Max. values for [Range 02]. For example, Min. Value = 2000, Max. Value = 5000



12 Set the [Numeral Value Color] (for example, Yellow) and the [Plate Color] (for example, Red) for [Range 02].

Numeral Value Color			Plate Color				
BI	link None	•	4	-	Blink	None	•

13 Select 3 from [Alarm Color Display Bar] and set the Min. and Max. values for [Range 03]. For example, Min. Value = 5000, Max. Value = 8000

1 2	3	4
Range Range Number	5000 <= Range03 < 49151	
Range03 Min.	5000 🕂 👖 Max. 49151	

14 Set the [Numeral Value Color] (for example, Black) and the [Plate Color] (for example, Yellow) for [Range 03].

Numeral Value Color		Plate Color	
	Blink None 💌	6 🔽	Blink None 💌

15 Select 4 from [Alarm Color Display Bar] and set the [Range 04] Min and Max. (for example, Min 8000). For example, Min. Value = 8000

123	4	
Range Range Number	8000 <= Range04 <= 65535	•
Range04 Min.	8000 📃 🏢 Max.	65535

16 Set the [Numeral Value Color] (for example, Yellow) and the [Plate Color] (for example, Blue) for [Range 04].



17 As needed, set the Data Display text on the [Display] tab, and click [OK].

14.6 Displaying the Date and Time

14.6.1 Introduction

2005/01/20 (Thu) 09:32

The GP clock and calendar data are stored in a designated area of the System Data Area.

14.6.2 Setup Procedure

NOTE	• Please refer to the Settings Guide for details.
	"14.11.3 Date/Time Display" (page 14-104)
	 For details of the part placement method and the address, shape, color, and label setting method, refer to the "Part Editing Procedure". See "8.6.1 Editing Parts" (page 8-44)

2005/01/20 (Thu) 09:32

- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Date/Time Display (D)], or click **123** and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

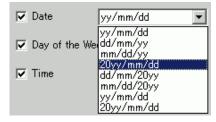
💰 Data Display	X
Parts ID DD_0000 == Comment ABC Select Shape	Basic Color Display Data Numeric Text Display Date/Time Statistical Date/Time Display Statistical Data Display Date/Time Display Value Input Display Font Font Type Standard Font Size 8 x 16 Pixels T Text Attribute Normal
 ☐ No Shape	Date yy/mm/dd Fixed Position Day of the Week Time hh:mm Preview Preview 7-segment Display yy/mm/dd (Mon) hh:mm
Help (H)	OK (D) Cancel

3 Select the Data Display shape from [Select Shape].

4 Choose a font for the date/time in [Font]. (For example, Standard Font, Size = 8 x 16pixels, Text Attribute = Normal)



5 Select a date format in [Date]. (For example, 20yy/mm/dd)



6 To display the day, select the [Day of the Week] check box. (For example, Display day)7 Select a time format in [Time]. (For example, hh:mm)



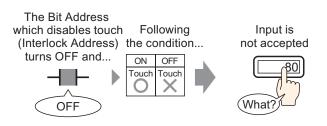
8 As needed, set the Data Display color on the [Color] tab, and click [OK].

14.7 Preventing Operational Errors By Using Interlock

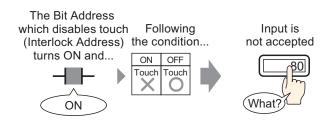
14.7.1 Introduction

The touch action will only be executed if the bit address specified in the Interlock Address meets the Touch Enable Condition.

• When the Touch Enable Condition is "Bit ON". The touch action will only work when the set Interlock Address is ON.



• When the Touch Enable Condition is "Bit OFF". The touch action will only work when the set Interlock Address is OFF.

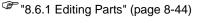


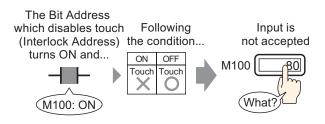
• You can set up an interlock (Global Interlock) for the whole project.

NOTE

14.7.2 Setup Procedure

Please refer to the Settings Guide for details. "14.11.1 Numeric Display" (page 14-44) For details of the part placement method and the address, shape, color, and label setting method, refer to the "Part Editing Procedure".





- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the **123** icon, and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

💰 Data Display	×
Parts ID DD_0000 😁 Comment	Basic Display Alarm/Color Operation Process Image: Construction of the state
Select Shape	[PLC1]D00000 Image: Contract of the second
No Shape	Data Type 16 Bit Dec 💽 Sign +/- 🗖 Round Off
	Get Operation Log
Help (H)	OK (0) Cancel

3 Select the Data Display shape from [Select Shape].

4 In [Monitor Word Address], set the address (D100) that will store the Value to display.

Click the icon to display an Select device "D", input address input keypad. "100" as the address, and press the Enter key. 💰 Input Address X Monitor Word Address Monitor Word Address Device/PLC PLC1 • [PLC1]D00100 -[PLC1]D00000 • D ▼ 100 Clr Back Click A В С 7 8 9 D E F 4 5 6 2 1 3 0 Ent 🔽 Set as Default Value

5 In the [Data Type] drop-down list, set the type of data to display (for example, "16 Bit Dec").

Monitor Word [PLC1]D0010			ow Input
Data Type	16 Bit Dec ▼ 16 Bit Hex ▲ 16 Bit Oct ▲ 16 Bit Bit Bit Bin 32 Bit Dec 32 Bit Hex ▲ 32 Bit Hex ▼	Sign +/-	Round Off

6 Select the [Allow Input] check box. Ensure the [Enable Popup Keypad] check box is selected. You can enter numerical data from the pop-up keypad.

			<u> </u>		and a state of the	
Basic	Display	Alarm/Color	Operation Process	Data Entry		
Displa	y Data					
10.1110.000.000.000	imeric splay	Text Display	Date/Time Display	Statistical Data Display	Show Limit Value	IIII Input Display
Monil	Monitor Word Address [PLC1]D00100					
– S	ipecify Inp	ut/Display Rar	nge			
Data	а Туре 🛛	16 Bit Dec	💌 🗖 Sign +/-	- 🗖 Round	l Off	

7 On the [Data Entry] tab, click [Extended]. The following dialog box appears.

💰 Data Display	x
Parts ID DD_0000 🛨 Comment	Basic Display Alarm/Color Operation Process Data Entry Touch C Bit
ABC	
Select Shape	Input Mode Auto Clear ON Input Barcode
	Interlock Feature Enable Addresses Address Touch Enable Condition When Bit is ON When Bit is OFF Enable Security Levels Level
	Input Complete Flag Input Complete Bit Address
Help (H)	OK (0) Cancel

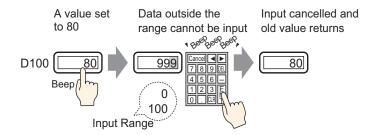
8 From the [Interlock Feature] field, check the [Enable Address] check box and specify in [Address] the bit address (M100) that will enable touch inputs.

 Enable Addresses Address 	Touch Enable Condi	ltion
[PLC1]X00000	When Bit is ON	C When Bit is OFF
Enable Security Levels		

- **9** Use the [Touch Enable Condition] field to set up a condition that enables touch inputs. (For example, select "Enable When Bit is Off" to enable touch operations when the bit is off.)
- 10 As needed, set the Data Display color and text on the [Alarm/Color] tab and [Display] tab, and click [OK].

14.8 Prevent Entering Data Outside the Allowed Range

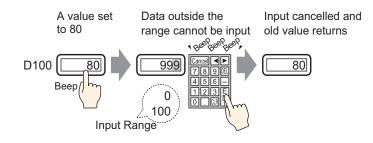
14.8.1 Introduction



14.8.2 Setup Procedure

NOTE	• Please refer to the Settings Guide for details.
	"14.11.1 Numeric Display" (page 14-44)
	• For details of the part placement method and the address, shape, color, and
	label setting method, refer to the "Part Editing Procedure".
	9 "9 6 4 Editing Dorto" (page 9 44)

"8.6.1 Editing Parts" (page 8-44)

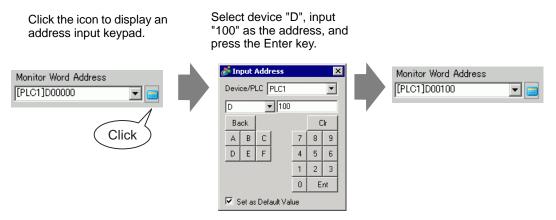


- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the 123 icon, and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

💰 Data Display	X
Parts ID	Basic Display Alarm/Color Operation Process
DD_0000	Display Data Numeric Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display Display D
ABC	Monitor Word Address >>Extended [[PLC1]D00000 Allow Input
Select Shape	Specify Input/Display Range
No Shape	Dats Type 16 Bit Dec 🔽 🗖 Sign +/- 🗖 Round Off
	C Get Operation Log
Help (H)	OK (0) Cancel

3 Select the Data Display shape from [Select Shape].

4 In [Monitor Word Address], set the address (D100) that will store the Value to display.



5 In the [Data Type] drop-down list, set the type of data to display (for example, "16 Bit Dec").

Monitor Word Address [PLC1]D00100 Allow Input				
Specify I	input/Display F	Range		
Data Type	16 Bit Dec 16 Bit Dec 16 Bit Hex 16 Bit Oct 16 Bit BCD 16 Bit Bin 32 Bit Dec 32 Bit Hex 32 Bit Bin		∏ Sign +/-	F Round Off

6 Select the [Allow Input] check box. Ensure the [Enable Popup Keypad] check box is selected. You can enter numerical data from the pop-up keypad.

Basic Dis	play Alarm/Color	Operation Proces	Data Entry		
Display Da	ita				
123		10	h%		12]]
Numer		Date/Time	Statistical	Show Limit	Input Display
Display	Display	Display	Data Display	Value	
Monitor W	/ord Address 00100		Allow Input	<u>>></u>	Extended
C Spec	ify Input/Display R	ange			
Data Typ	e 16 Bit Dec	💌 🗖 Sign +.	/- 🗖 Round	1 Off	

7 Click the [Alarm/Color] tab, and select the [Alarm Settings] check box.

💣 Data Display	×
Parts ID DD_0000	Basic Display Alarm/Color Deration Process Data Entry >>Extended
Comment	1
ABC Select Shape	Border Color 7 Blink None Numeral Value Color 6 Blink None 7 Blink None 7 Blink None
No Shape	Plate Color Image: Second s
	- I Alarm Settings
	Alarm Action Direct Alarm Range Inside the Display Alarm Range
	Lower Limit 0 😳 🖬 Upper Limit 65535 😴 🛒
	Plate Color Numeral Value Color 6 Blink None Blink None Blink None
Help (H)	OK (O) Cancel

8 In [Alarm Action], select the Upper/Lower Limit Value specification method from either [Direct] or [Address] (for example, [Direct]).

• When selecting the [Set the alarm range], the settings are allowed only within the range of the [Display Range] under [Basic Settings].

9 In [Alarm Range], set the Upper Limit (for example, 100) and Lower Limit (for example, 0).



10 As needed, set the Data Display color and text on the [Alarm/Color] tab and [Display] tab, and click [OK].

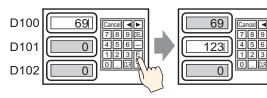
NOTE

NOTE

• There are no input restrictions on the values input from the PLC.

14.9 8 x16 Dots Sequential Input

14.9.1 Introduction



Input data and touch the [Ent] key

The input is confirmed and the next Data Display part in the input order enters the Input Permit state.→Input data and touch the [Ent] key

69

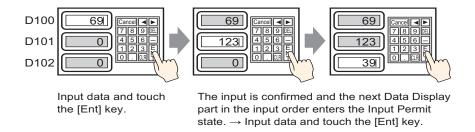
123

39

14.9.2 Setup Procedure

NOTE

- Please refer to the Settings Guide for details.
 - 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)

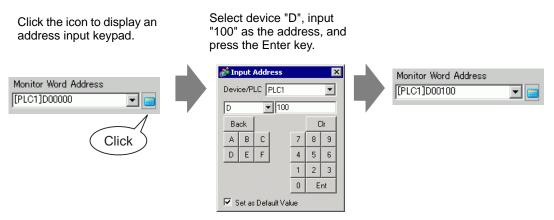


- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the **123** icon, and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

💕 Data Display	×
Parts ID Ba [DD_0000]] D Comment ABC Select Shape No Shape	sic Display Alarm/Color Operation Process protection Display Date/Time Statistical Show Limit Input Display Mumeric Display Date/Time Statistical Data Display Calue Display Display Date/Time Allow Input PLC1[D00000 Allow Input Specify Input/Display Range Data Type 16 Bit Dec Sign +/- Round Off
Help (H)	Get Operation Log

3 Select the Data Display shape from [Select Shape].

4 In [Monitor Word Address], set the address (D100) that will store the Value to display.



5 In the [Data Type] drop-down list, set the type of data to display (for example, "16 Bit Dec").

Monitor Word [PLC1]D0010		💌 📻 Range	T Allow	/ Input
Data Type	16 Bit Dec 16 Bit Hex 16 Bit Oct 16 Bit Oct 16 Bit BCD 16 Bit Bin 32 Bit Dec 32 Bit Hex 32 Bit Bin		∏ Sign +/-	E Round Off

6 Select the [Allow Input] check box. Ensure the [Enable Popup Keypad] check box is selected. You can enter numerical data from the pop-up keypad.

Basic	Display A	larm/Color 0pe	eration Process	Data Entry		
Display	Data					
	23		10	}		12]]
	meric	Text	Date/Time	Statistical	Show Limit Value	Input Display
Dis	olay	Display	Display	Data Display	value	
Monito	or Word Add	dress			>>	Extended
[PLC1]D00100	-	🗐 🔽 🖂	low Input		
Specify Input/Display Range						
Data	Type 16	Bit Dec 💌	🗖 Sign +/-	🗖 Round	Off	

7 Click the [Data Entry] tab, and select the [Designated Input Order] check box.

🔽 Designated Input Order

8 In [Input Order], set the order the part will enter input status (for example, 1).

Input Order 1 🚊 🏢

9 As needed, set the Data Display color and text on the [Alarm/Color] tab and [Display] tab, and click [OK].

NOTE	• In the same way, to set the 2nd Data Display that will enter the Allow Input
	state, set [Monitor Word Address] to "D101", and [Input Order] to "2". For
	the 3rd Data Display that will enter the Allow Input state, set [Monitor Word
	Address] to "D102", and [Input Order] to "3".
	• For information about the Input Order settings, refer to "14.13.1 Set Input
	Order" (page 14-121).

14.10 Changing Values by Adding/Subtracting data

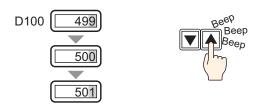
14.10.1 Introduction



When you use a word switch's Add/Subtract Data function, the directly referenced data in a Data Display can be modified. This is useful for fine-tuning and small-scale adjustments. This setup is an option for increasing or decreasing values. When the value rolls over, it carries over changes to other digits.

14.10.2 Setup Procedure

NOTE	 Please refer to the Settings Guide for details. "14.11.1 Numeric Display" (page 14-44)
	• 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)

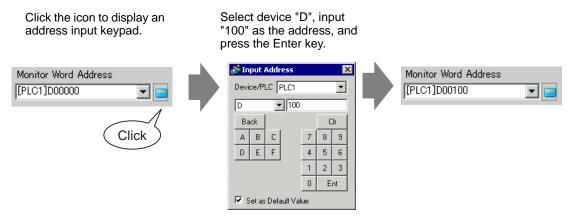


- 1 On the [Parts (P)] menu, select [Data Display (D)] and then click [Numeric Display (N)], or click the 22 icon, and place it on the screen.
- **2** Double-click the placed Data Display. The following dialog box appears.

💰 Data Display	×
Data Display Parts ID DD_0000 ① Comment ABC Select Shape No Shape	Basic Display Alarm/Color Operation Process Display Data Display Display Numeric Text Date/Time Statistical Show Limit Input Display Monitor Word Address Show Limit Input Display Display Allow Input [FLC1]D00000 Imput Display Allow Input Specify Input/Display Range Data Type 16 Bit Dec Sign +/- Round Off
	Get Operation Log
Help (H)	OK (0) Cancel

3 Select the Data Display shape from [Select Shape].

4 In [Monitor Word Address], set the address (D100) that will store the Value to display.



5 Set the type of data that will be displayed (for example, "16 Bit Bin") in [Data Type].



- 6 As needed, set the Data Display color and text on the [Alarm/Color] tab and [Display] tab, and click [OK].
- 7 Next, set the switch which will operate the addition action. From the [Parts (P)] menu, point to [Switch Lamp] and select [Word Switch], or click and place it on the screen.
- **8** Double-click the placed Switch part. The following dialog box appears.

💕 Switch/Lamp			×
Parts ID SL_0000 == Comment Normal Select Shape No Shape	Switch Feature Switch Common	Lamp Feature Color Label Bit Switch Word Word Address [PLC1]D00000 Copy from Copy to Lamp Word Action Write Data Get Operation Log	nge Switch Switch
Help (H)			OK (0) Cancel

- **9** In [Select Shape], select the Switch shape.
- 10 Set the address (D100) where you want to write data when you touch the switch in [Word Address].

Word Address		
[PLC1]D00100	•	

11 From [Word Action] choose [Add Data].

W	lord Action	
	Add Data	•

12 Set the address (D100) which will add the data in [Addition Base Word Address].

Addition Base Word	Addre:	ss
[PLC1]D00100	-	

13 Set [Data Type] to [Bin] and [Constant] to "1" and click [OK]. The addition action's Word switch function is now set.

	Data Type
	Bin 💌
	Constant
+	
	Continuous Add Feature
	D00100 = D00100 + 1

- 14 Next, set the switch which will operate the subtraction action. From the [Parts (P)] menu, point to [Switch Lamp] and select [Word Switch], or click s and place it on the screen.
- 15 Double-click the placed Switch part. The following dialog box appears.

<i>ố</i> Switch/Lamp			×
Parts ID SL_0000 ** Comment	Switch Feature Switch Common	Lamp Feature Color Label	en Special Selector Switch
	Copy and Add	L dei operation Log	
Help (H)			OK (0) Cancel

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

Word Address		
[PLC1]D00100	-	

18 Choose [Subtract Data] from [Word Action].

W	/ord Action	
	Subtract Data	•

19 Set the address (D100) which will subtract the data in [Subtraction Base Word Address].

Subtraction Base Word (Address
[PLC1]D00100	- 📟

20 Set [Data Type] to [Bin] and [Constant] to "1" and click [OK]. The subtraction action's Word switch function is now set.

Data Type
Bin 💌
Constant
Continuous Subtract Feature
D00000 = D00100 - 1

ABC Monitor Word Address PLC1]D00000 Callow Input Select Shape Data Type 16 Bit Dec Sign +/- Round Off No Shape	🏂 Data Display	
Comment Image: Comme		To reserve the second s
No Shape Data Type 16 Bit Dec Sign +/- Round Off	Comment	Numeric Text Date/Time Statistical Show Limit Input Display Monitor Word Address >>Extended
Data Type 16 Bit Dec Sign +/- Round Dff	Select Shape	└── Specify Input/Display Range
	No Shape	Data Tuna 19 Bi Data 🖉 🗖 Sian / 🖉 Round Off
		Get Operation Log

14.11 Data Display Settings Guide

Setting	Description
Part ID	 Parts are automatically assigned an ID number. Data Display's ID: DD_ **** (4 digits) The letter portion is fixed. The number portion can be modified from 0000 to 9999.
Comment	The comment for each Part can be up to 20 characters.
Shape Display	Displays the shape and status of the Part selected in [Select Shape].
	Continued

GP-Pro EX Reference Manual

Setting	Description
Select Shape	Open the Select Shape dialog box to choose the shape.
Display Data	 Select the Data Display type. Numeric Display Displays the numeric data stored in the word address. "14.11.1 Numeric Display" (page 14-44) Text Display Displays the character string stored in the word address. "14.11.2 Text Display" (page 14-87) Date/Time Display Refers to the GP clock data and displays the date/time. "14.11.3 Date/Time Display" (page 14-104) Statistical Data Display Takes statistics from the successive values of multiple word addresses, and displays the numeric value. "14.11.4 Statistical Data Display" (page 14-107) Show Limit Value Displays the set Alarm values (the displayed data's upper/lower limit values) on the same screen as a Numeric Display with [Alarm]. "14.11.5 Show Limit Value" (page 14-113)
No Shape	Select whether the part will be transparent with no shape.

14.11.1 Numeric Display

■ Basic Settings/Basic

Display numeric data stored in a specified word address in a Device/PLC.

💰 Data Display	X
Parts ID	Basic Display Alarm/Color Operation Process Data Entry
DD_0000 ÷	Display Data
Comment	
	Numeric Text Date/Time Statistical Show Limit Insuit Diselary
	Numeric Text Date/Time Statistical Show Limit Input Display Display Display Data Display Value
ABC	Address Type Direct Specification 💌 🗹 Allow Input < <u><<basic< u=""></basic<></u>
	Monitor Word Address
Select Shape	[PLC1]D00100
No Shape	
	Specify Input/Display Range
	Data Type 16 Bit Dec 💌 🗆 Sign +/- 🥅 Round Off
	Get Operation Log
Help (H)	OK (D) Cancel

Setting	Description
Monitor Word	You can have a real-time numeric display of data stored in the word address specified here.
Address	NOTE
	• Real variables cannot be displayed because they are 64 bits in length.
Allow Input	Set whether keypad and barcode reader input will be accepted by the Data Display.
	• This cannot be set if the [Display Format] option is set on the [Display]
	tab's [Extended] screen.
	Image: Second Secon
Specify Input/Display Range	Specify an input/display range and [Monitor Word Address] data will automatically convert to correspond with the input and display range. The resulting numeric values can display.
	Continued

Setting	Description					
	Select the type of data to be displayed.					
	Bit Lengt	n Data Type				
	16 bit	Dec, Hex, Oct, Bin, BCD				
	32 bit	Dec, Hex, Bin, BCD, Float				
Data Type	NOTE					
	 When using 32-bit data, the relationship of high order and low order Word data will differ according to the device/PLC type. For more information, refer to your device/PLC manual. The Float format is IEEE754. 					
Sign +/-	 Defines negative number support for display data. Set up when you w to display negative values. Negative values are handled using 2's Complement. This can only be set when the [Data Type] is [Dec]. 					
Round Off	Sets whether to round off fractional values in the display data. Fractions will be discarded if rounding off is not selected. This setting is available when [Data Type] is [Float].					
Get Operation Log	Specifies whether to record the Operation Log. Can be specified only when [Allow Input] is selected.					
	[Operation Log Settine each individual part of the setting of the	tion Log Function] is not selected for the common ngs], a message stating that an Operation Log of cannot be recorded will appear. Select [Enable ion] and enable Operation Log Settings.				

Sets up numeric data as relative values.

Data Display	X
Parts ID	Basic Display Alarm/Color Operation Process
DD_0000 ÷	Djsplau Data
Comment ABC	Image: Numeric Display Image: Text Display Image: Date/Time Displ
Select Shape	[PLC1]D00100
No Shape	
	✓ Specify Input/Display Range Input/Display Settings Data Type 16 Bit Dec Bit Length 16 Input Range Display Range Select Input Constant Sign +/- None Min. 0 Max. 65535 Get Operation Log
Help (H)	OK (0) Cancel

Setting	Description					
	Specify an input/display range and [Monitor Word Address] data will automatically convert to correspond with the input and display range. The resulting numeric values can display. (Display relative values) For example:					
Specify Input/Display	Input Range Display Range					
Range	1027 is stored in the Display Word Address					
	Select the type of data to be displayed.					
Data Type	Bit Length Data Type					
	16 bit Dec, Hex, Oct, Bin, BCD					
	32 bit Dec, Hex, Bin, BCD, Float					
L	Continued					

Setting	Description					
	Specify the address' valid bit length from 1 to 16. Selectable only when [Data Type] is specified as [16 Bits].					
Input Specification	 Choose how the input range's max and min values is specified. Constant Specify a set constant as the Min/Max. (Direct Specification) Address Specify the address where the Min/Max values are stored. (Indirect Specification) 					
Sign +/-	 Specifies whether input data will be able to handle negative numeric data. None Only positive numeric data. 2's Complement Negative numbers are handled with 2's complement. MSB Sign Negative numbers are handled with MSB sign. 					
Display Specification	 Choose how the max and min values of the display range will be specified. Constant Specify a set constant as the Min/Max. (Direct Specification) Address Specify the address where the Min/Max values are stored. (Indirect Specification) 					
Round Off	When displaying data, select whether fractions get rounded off or truncated.					
Display Sign +/	Set to display negative numbers. This can be set when the [Data Type] is [Dec]. For example: When writing "-123" Display Sign +/- Display Sign +/- Display Sign +/- Display Sign +/- Display Sign +/- Display Sign +/- Negative numbers displayed Negative numbers not displayed					
	Input Specification Sign +/- Display Specification Round Off					

Setting		Description						
		Select the input range and display range for the numeric display data. If [Input Specification] or [Display Specification] is [Constant], you can input a min/max value. If [Address] is set, specify the word address where the min/max value will be stored. Input Range/Display Range Min. Value/Max. Value						
		Bit Length	Data Type	Sign +/-	Input Range	Display Sign +/-	Display Range	
				None	0 ~ 65535	Disable	0 ~ 65535	
				NONE	0~00000	Enable	-32768 ~ 32767	
			Dec	2's	-32768 ~	Disable	0 ~ 65535	
			Dee	Complement	32767	Enable	-32768 ~ 32767	
				MSB Sign	-32767 ~ 32767	Disable	0 ~ 65535	
Input Range/	Min. Value/					Enable	-32768 ~ 32767	
Display	Max. Value	16 bit	Hex	None	0 ~ 65535		0 ~ FFFF(h)	
Range				2's Complement	-32768 ~ 32767	—	0 ~ FFFF(h)	
				MSB Sign	-32767 ~ 32767		0 ~ FFFF(h)	
			Oct	None	0 ~ 65535		0 ~ 177777(o)	
				2's Complement	-32768 ~ 32767	_	0 ~ 177777(o)	
				MSB Sign	-32767 ~ 32767	_	0 ~ 177777(o)	
			BCD	-	0 ~ 9999		0 ~ 9999	
				None	0 ~ 65535	—	0 ~ FFFF(h)	
			Bin	2's Complement	-32768 ~ 32767		0 ~ FFFF(h)	
				MSB Sign	-32767 ~ 32767	_	0 ~ FFFF(h)	

Setting		Description						
		Bit Length	Data Type	Sign +/-	Input Range	Display Sign +/-	Display Range	
						Disable	0 ~ 4294967295	
				None	0 ~ 4294967295	Enable	-2147483648 ~ 2147483647	
				2's	-2147483648 ~	Disable	0 ~ 4294967295	
			Dec	Complement	2147483647	Enable	-2147483648 ~ 2147483647	
					-2147483647 ~	Disable	0 ~ 4294967295	
Input Range/	Min. Value/			MSB Sign	-2147483647 ~ 2147483647	Enable	-2147483648 ~ 2147483647	
Display	Max. Value			None	0 ~ 4294967295	_	0 ~ FFFFFFF(h)	
Range		32 bit	Hex	2's Complement	-2147483648 ~ 2147483647	_	0 ~ FFFFFFFF(h)	
				MSB Sign	-2147483647 ~ 2147483647	_	0 ~ FFFFFFFF(h)	
			BCD	-	0~ 99999999	_	0 ~ 99999999	
			Bin	None	0 ~ 4294967295	_	0 to FFFFFFF(h)	
				2's Complement	-2147483648 ~2147483647	_	0 to FFFFFFFF(h)	
				MSB Sign	-2147483647 ~2147483647	_	0 to FFFFFFFF(h)	
		Float	—	-9.9e ¹⁶ ~ 9.9e ¹⁶	_	-9.9e ¹⁶ to 9.9e ¹⁶		
• The Input Range and Display Range define how to convert values for display. If the value is outside the input range, the value is converted and displayed using the same ratio.								

Basic Settings/Extended

You can indirectly specify the address for the numeric data display. There are two methods for indirect specification.

💣 Data Display	×
Parts ID	Basic Display Alarm/Color Operation Process
DD_0000 🗄	Display Data
Comment	
	Numeric Text Date/Time Statistical Show Limit Input Display Display Display Data Display Value
ABC	Address Type Address
	Monitor Word Address
Select Shape	Base Address Offset Value Specification Address [PLC1]D00101
No Shape	[[PLC1]D00101
	Secrit Instit Disslay Paras
	Speedy Input/Linplay Plange
	Data Type 16 Bit Dec 🔽 🗖 Sign +/- 🗖 Round Off
	Get Operation Log
Help (H)	OK (0) Cancel

Setting	Description
Address Type	You can define the display address (Monitor Word Address) in the following ways: [Direct Specification], [Address], or [Device Type & Address].
	You can accept input from a keypad, bar code reader, or a two-dimensional bar code reader. Select this check box to display the [Data Entry] tab.
Allow Input	 NOTE This cannot be set if the [Display Format] option is set on the [Display] tab's [Extended] screen. T = Display Settings/Extended" (page 14-70)
Monitor Word Address	You can have a real-time numeric display of data stored in the word address specified here. To indirectly specify the Monitor Word Address, in the [Address Type] list select [Address] or [Device Type Address].

	Setting		Description
	Address		Indirectly designates to the device specified in [Base Address].
Monitor Word Address	Address	Base Address Offset Value Specification Address	Address Type Address I Address Address Address Offset Value Specification Address PLC1]D00000 C C Bin C BCD The [Base Address] becomes the standard indirectly designated address. In [Offset Value Specification Address], set the address that stores the offset value from the [Base Address]. For example: [Monitor Word Address] is D35, Indirectly designated [Base Address] = D10 [Offset Value Specification Address] is handled as the offset value from the [Base Address]. In the device/PLC GP unit D100 25 D10 + 25 C PU unit
			The [Base Address] (D10) is added to the [Offset Value Specification Address] (D100)'s data, which is "25", and the resulting address D35's data "40" displays.
		Bin, BCD	Choose the type of data stored in the [Offset Value Specification Address] from [Bin] or [BCD].
	Device Typ	be & Address	Indirectly designates both the device and address.
		Device/PLC	When [Address Type] is [Device Type & Address], select which device/PLC's address to indirectly designate.

Setting		Description
Monitor Device Word Type &	Device Specification Start Address	Address Type Tevice Type Address Type Address Address Address Address Type Pice Type Address Type Address Type Pice Type Address Type Pice Type Address Type Pice Type Pice Pice Pice Pice Pice Pice Pic
NOTE • If t	he indirectly-	is CN35. Its data, "40" displays. designated address is out of range or does not exist, a

• If the indirectly-designated address is out of range or does not exist, a communication error will occur. An error can affect the screen update. When an error occurs, check the indirectly-designated data and write the correct value to the device/PLC address to restore the screen update.

On the [Basic] tab's Extended screen, when you set [Address Type] to [Address] or [Device Type & Address], and set the [Input/Display]'s [Input Specification] and [Display Specification] to [Address], the address that stores the max/min values for the Input Range/ Display Range will be automatically allotted to the addresses following the Monitor Word Address.

Data Display	X
Parts ID	Basic Dipplay Alarm/Color Operation Process
DD_0000 🛨	Diselay Data
Comment ABC Select Shape	Image: Numeric Display Text Display Date/Time Display Statistical Date Display Show Limit Value Input Display Address Type Address Image: Address Allow Input CBasic Monitor Word Address Base Address Offset Value Specification Address Base Address Iffset Value Specification Address IPLC1]D00101 Image: IPLC1]D00100 Image: IPLC1]D00100
No Shape	. € Bin C BCD
	Specify Input/Display Range Input/Display Settings Data Type 16 Bit Dec Bit Length 16 16 Indirect Area Specification Input Range Individual Settings Select Input Constant Sign +/- None Min. 0 Image 0 Max. 65535 Estimation Max. 65535
Help (H)	OK (0) Cancel

Setting	Description						
	Specify an input/display range and [Monitor Word Address] data will automatically convert to correspond with the input and display range. The resulting numeric values can display. (Display relative values) For example:						
Specify Input/Display	Input Range Display Range						
Range	1027 is stored in the Display Word Address Displayed value becomes 25						
	Select the type of data to be displayed.						
Data Tara	Bit Length Data Type						
Data Type	16 bit Dec, Hex, Oct, Bin, BCD						
	32 bit Dec, Hex, Bin, BCD, Float						

Continued

Setting	Description			
Bit Length	Specify the address' valid bit length from 1 to 16. Selectable only when [Data Type] is specified as [16 Bits].			
Indirect Area Specification	If [Input Specification] and [Display Specification] are both [Address], choose the indirect designation method from [Individual Settings] or [Area After Display Address] for the word addresses that will store the Input Range and Display Range's upper/lower limit value. If either [Input Specification] or [Display Specification] is set to [Constant], the setting will be fixed as [Individual Settings]. • Individual Settings Specify the value or word address for [Min.] and [Max.] individual Settings Specify the value or word address for [Min.] and [Max.] individual Settings Specify the value or word address for [Min.] and [Max.] individual Settings Specify the value or word address for [Min.] and [Max.] individually. • Area After Display Address In the [Basic] tab, the input and display ranges are stored in consecutive addresses that follow the [Monitor Word Address], for the Input Range Max value, Input Range Min value, Display Range Min value, and Display Range Max value. For example: When [Indirect Area Specification] is set to [Area After Display Address], the min/max values for the input/display range will be as follows: [Base Address] = D10, [Offset Value Specification Address] = D100 [Monitor Word Address] = D35 [Input Range			

S	etting	Description				
	Input Specification	 Choose how the input range's max and min values is specified. Constant Specify a set constant as the Min/Max. (Direct Specification) Address Specify the address where the Min/Max values are stored. (Indirect Specification) 				
Input Range	Sign +/- Specification) Sign +/- Specifies whether input data will be able to handle negative numdata. None Only positive numeric data. Only positive numeric data. 2's Complement Negative numbers are handled with 2's complement. MSB Sign Negative numbers are handled with MSB sign.					
	Display Specification	 Choose how the max and min values of the display range will be specified. Constant Specify a set constant as the Min/Max. (Direct Specification) Address Specify the address where the Min/Max values are stored. (Indirect Specification) 				
	Round Off	When displaying data, select whether fractions get rounded off or truncated.				
Display Range	Display Sign	Set to display negative numbers. This can be set when the [Data Type] is [Dec]. For example: • When writing "-123" I Display Sign +/- Display Sign +/- Display Sign +/- Negative numbers displayed Negative numbers not displayed				

Setting		Description						
		If [Inpu can inpu If [Addu will be	t Speci it a min ress] is stored. up rang	fication] or [] n/max value. set, specify the set of th	Display Spec	vification] ress where	umeric display data. is [Constant], you the min/max value ype], [Sign +/-], and	
		Bit Length	Data Type	Sign +/-	Input Range	Display Sign +/–	Display Range	
				None	0 ~ 65535	Disable	0 ~ 65535	
					0~00000	Enable	-32768 ~ 32767	
			Dec	2's	-32768 ~	Disable	0 ~ 65535	
Input			Hex	Complement		Enable	-32768 ~ 32767	
Range/	Min. Value/			MSB Sign	-32767 ~	Disable	0 ~ 65535	
Display	Max. Value				32767	Enable	-32768 ~ 32767	
Range	wax. value			None	0 ~ 65535	-	0 ~ FFFF(h)	
Kange		16 bit		2's Complement		-	0 ~ FFFF(h)	
				MSB Sign	-32767 ~ 32767	_	0 ~ FFFF(h)	
		10 51		None	0 ~ 65535	_	0 ~ 177777(o)	
			Oct	2's Complement	-32768 ~ 32767	_	0 ~ 177777(o)	
				MSB Sign	-32767 ~ 32767	_	0 ~ 177777(o)	
			BCD	-	0 ~ 9999	_	0 ~ 9999	
				None	0 ~ 65535	-	0 ~ FFFF(h)	
				Bin	2's Complement	-32768 ~ 32767	_	0 ~ FFFF(h)
				MSB Sign	-32767 ~ 32767	_	0 to FFFF(h)	

S	etting				Description			
		Bit Length	Data Type	Sign +/-	Input Range	Display Sign +/-	Display Range	
						Disable	0 ~ 4294967295	
				None	0 ~ 4294967295	Enable	-2147483648 ~ 2147483647	
				2's	-2147483648 ~	Disable	0 ~ 4294967295	
			Dec	Complement	2147483647	Enable	-2147483648 ~ 2147483647	
					-2147483647 ~ 2147483647	Disable	0 ~ 4294967295	
Input				MSB Sign		Enable	-2147483648 ~ 2147483647	
Range/ Display	Min. Value/ Max. Value		Hex	None	0 ~ 4294967295	-	0~ FFFFFFF(h)	
Range		32 bit		2's Complement	-2147483648 ~ 2147483647	-	0 ~ FFFFFFFF(h)	
				MSB Sign	-2147483647 ~ 2147483647	_	0 ~ FFFFFFFF(h)	
			BCD	-	0 ~ 99999999	-	0 ~ 99999999	
					None	0 ~ 4294967295	-	0 ~ FFFFFFFF(h)
			Bin	2's Complement	-2147483648 ~ 2147483647	-	0 ~ FFFFFFFF(h)	
				MSB Sign	-2147483647 ~ 2147483647	-	0 ~ FFFFFFFF(h)	
			Float	-	-9.9e ¹⁶ ~ 9.9e ¹⁶	-	$-9.9e^{16} \sim 9.9e^{16}$	

• The Input Range and Display Range define how to convert values for display. If the value is outside the input range, the value is converted and displayed using the same ratio.

	Data	Entry/	/Basic
--	------	--------	--------

Data Display	×
Parts ID	Basic Display Alarm/Color Processing Data Entry
	Touch O Bit
Comment	
	<u>>>Extended</u>
	Enable Popup Keypad.
ABC	Designated Input Order
Select Shape	Input Order 📔 🧮
No Shape	
Help (<u>H</u>)	OK (Q) Cancel
	OK W/ Caricer

Setting	Description
Data Entry Methods	 Select the method that will change the Data Display to input state (cursor display state). Touch Touch When the Data Display is touched, it will change to the Allow Input state.
	Continued

Setting	Description
Data Entry Methods	 NOTE If you touch a Data Display while inputting data into another Data Display, the input data will revert to its previous data, and the most recently touched part will enter the Allow Input state. Data Display 1 Data Display 2 Input State Uput State
Touch	© Touch © Bit ≫Extended ✓ Enable Popup Keypad. ☐ Designated Input Order Input Order Input Order Market Designated Input Order

Keypad Touch Touch <t< th=""><th>S</th><th>etting</th><th colspan="4">Description</th></t<>	S	etting	Description			
Touch Enable Popup Keypad Image: Constraint of the second se			part.			
Bit • A pop-up keypad cannot be used when the Data Display is placed on a Window screen. Designated Input Order When entering data into multiple Data Displays in sequence, select the order in which each display enters the input state. Imput Order Select the order, from 1 to 384, in which the Part will enter the input state. Bit • Touch • Bit	Touch	Popup				
Designated Input Order order in which each display enters the input state. Imput Order Imput Order Select the order, from 1 to 384, in which the Part will enter the input state. Bit Imput Order			• A pop-up keypad cannot be used when the Data Display is placed on			
Bit Input Order state.		-	order in which each display enters the input state.			
Bit Allow Input Bit Address [PLC1]>00000 Input Order		Input Order				
Input Order	Bit		→Extended			
Allow Input When the bit address set here turns ON, the Data Display enters the			Input Order			
Bit Address input state.		Allow Input Bit Address	When the bit address set here turns ON, the Data Display enters the input state.			

Setting		Description		
Bit	Input Order	 Number the Parts from 1 to 384 in the order that they will enter the Allow Input state if the [Allow Input Bit Addresses] of multiple Data Display Parts turn ON at the same time (when a bit address has been registered to multiple Data Display parts, or when different bit addresses turn ON at the same time). NOTE If more than one [Allow Input Bit Address] is turned ON at the same time, the Data Displays will enter the input state according to their [Input Order] settings. If the [Input Order] settings are the same, the input state order will be determined by the order the parts were placed. If the [Allow Input Bit Address] of Data Displays placed on the Base Screen and Window Screen turn ON at the same time, the Base and Window screen, make sure to set a different [Allow Input Bit Address]. 		

NOTE

- When Visibility Animation is selected for the Numeric Display, it will operate as described below.
 - •When it is invisible, it cannot be activated by touch.
 - •If a Bit operation is executed when it is visible, the input box will appear, and when you set up the Popup Keypad, the Popup Keypad will also appear.
 - •If a Bit operation is executed when it is invisible, it stays in the Invisible state and the input box will not appear. However, if the bit operation is enabled and it is in the visible state while Bit is ON, the input box will appear at the same time. However, when there is a numeric display part in the input state, the numeric display part will enter an input state when input is completed.
 - •When it changes from visible to invisible in the input state, the input state will be canceled. If a popup keypad is being displayed, the popup keyboard also becomes invisible.
 - •When the Designated Input Order is enabled, the input state will be transferred to the next Numeric Display Part. Also, if the input order is applied while invisible, the input box will not appear and it will be transferred to the next numeric display part.

Allow Input/Extended

Pata Display Parts ID DD_0000	Sasic Display Alarm/Color Operation Process Data Entry
DD_0000	Touch Bit
Help (H)	OK (0) Cancel

Setting		Description		
		Select to display a pop-up keypad when you touch the Data Display part.		
	Enable Popup Keypad	NOTE		
		• A pop-up keypad cannot be used when the Data Display is placed on a Window screen.		
Touch	Keypad Type	 System Keypad Use the standard keypad registration for GP-Pro EX. Use this in normal cases. User Keypad Create a user-defined keypad with the Keypad part. This keypad allows for customized input. 		
		"15.4.2 Setup Procedure n Popping Up the Customized Keypad" (page 15-15)		

Setting		Description		
Touch	System Keypad	Display the prepared standard keypad registration in GP-Pro EX. Image: Comparison of the system is the problem of the system keypad. The input value displays when the user pushes the [Enter] key. Image: Comparison of the system keypad varies depending on whether or not the Alarm Settings are being used. If there are no Alarm Settings: the Min. and Max. values of the "Display Range". If there are Alarm Settings: the Lower and Upper limit values for the "Alarm Settings". • When defining the alarm settings, the upper and lower limits are displayed as the input range. • When the Specify Input/Display Range check box is selected, even if no alarm is set up, the upper and lower limits are displayed as the input range. • When neither an Alarm Settings nor Specify Input/Display Range is used, the upper and lower limit values are defined by the Data Type and Total Display Digits in the Data Display. • When [Data Type] is [32 Bit Float], and if Alarm Settings are		
	User Keypad Keypad	not configured, the input range does not display. Set the number of the custom-made keypad.		
	Specify Location	Select whether to set the pop-up keypad display position. If [Enable] is selected, the pop-up keypad Display Area can be selected and moved after the Data Display part is positioned. NOTE • When you group a Data Display with other parts, you cannot		
		select or move the pop-up keypad display area.		

	Se	etting		Description	
	Designated Input Order		When entering data into multiple Data Displays in sequence, select the order in which each display enters the input state.		
		Input Order	Select the order, from input state.	m 1 to 384, in which t	he Part will enter the
		Group	The cursor will mov registered in the sam them into the Allow to 10. Continued	e in turn to each succe ne group, according to	the input order, setting p Number can be from 1
			<u> </u>	lock Feature (a featur	ess and Security Level e that enables Touch
	Inte	rlock	Animation setting	of the visibility/invis	ng to Visibility touch operation is still ibility, but the switch
Touch		Use an Address	via the [Touch Enab Interlock.	le Condition]. Select t	[Address] bit is selected the check box to use ing Interlock" (page 14-25)
		Address		tered. Touch is enable	he enable condition, to d (disabled) depending
			Select the condition allow input to be ent	that will enable the pattered.	art to be touched, to
			Touch Enable Condition	Address Status	Touch Enabled/ Disabled
			When Bit is ON	ON	Touch enabled Touch disabled
		Touch Enable		OFF ON	Touch disabled
		Conditions	When Bit is OFF	OFF	Touch enabled
			input, the Data Dis Interlock will not	splay will remain in th work until the input is	completed.
		Use Security Level		urity Level higher that	n for each part. When in that set for the part,
		Level	Set the Security Lev	el of the part from 1 t	o 15. Continued

	Setting	Description
Bit		Touch
	Allow Input Bit Address	When the bit address set here turns ON, the Data Display enters the input state.
	Input Order	 Number the Parts from 1 to 384 in the order that they will enter the Allow Input state if the [Allow Input Bit Addresses] of multiple Data Display Parts turn ON at the same time (when a bit address has been registered to multiple Data Display parts, or when different bit addresses turn ON at the same time). NOTE If more than one [Allow Input Bit Address] is turned ON at the same time, the Data Displays will enter the input state according to their [Input Order] settings. If the [Input Order] settings are the same, the input state order will be determined by the order the parts were placed. If the [Allow Input Bit Address] of Data Displays placed on the Base Screen and Window Screen turn ON at the same time, the Base and Window Screen. When placing Data Displays on both the Base and Window screens, make sure to set a different [Allow Input Bit Address] for each. [Allow Input Bit Address] turns ON at the same time

Setting	Description		
octang	Auto Clear OFF		
Input Mode	 New data will build on previously input data. Pressing [CLR] of the keypad clears the value. Auto Clear ON The first key pressed (except cursor moves, [ENT], [DEL], or [BS]) will clear the previously input text data. Auto Clear ON + Input Check When using barcode input, performs automatic clear and check whether the number of input digits coincides with the [Total Display Digits]. If they do not coincide, the data will not be written to the word address. 		
Input Barcode	A setting that allows input from a barcode reader.		
Input Complete Flag	Detects and notifies you when input has been completed.		
Input Complete Bit Address	Sets the bit address that will turn ON when input has been completed. Linput State Cursor is Cursor is Cursor is displayed di		

Display Settings/Basic

Sets the font and attributes of the Numeric Display.

💰 Data Display	X
Parts ID	Basic Display arm/Color Operation Process
DD_0000	>>Extended
Comment	- Font
	Font Type Standard Font 💌 Size 8 x 16 Pixels 💌
	Text Attribute Normal 🔽
ABC	· · · · · · · · · · · · · · · · · · ·
THE O	Total Display Digits Decimal Places Decimal Places 5 Constant Constant Decimal Places
Select Shape	Display Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style Image: Style <td< td=""></td<>
No Shape	E E Fixed Display Position
	✓ Zero Suppress
	Zero Display Preview
	7-segment Display 12345
	Auto-size Font
	☐ Hide Input Value (Show asterisks)
Help (H)	OK (0) Cancel

S	etting	Description			
Font		Sets a font for the numeric values.			
	Font Type	Select a font type Font].	of for the numeric values from [Standard Font] or [Stroke		
	Size	Standard Font:	ze for the numeric values. (8 to 64) x (8 to 128). ixed Size):[6x10], [8x13], [13x23]. (Displays single-byte characters only.) 6 to 127.		
	Text Attribute	U -	ributes. Choose from [Standard], [Bold], [Shadow]. (When using the [6x10] font size, select either [Standard] or [Shadow].) Choose from [Standard], [Bold], [Outline]. uto-size Font] with either [7-segment Display] or [Stroke t Attribute] cannot be defined.		

Total Display Digitsafter decinSpecify Decimal PlacesSelec settin • Cor Spec • Add Spec Spec • Add Spec Spec • For e When after For e When	the decimal p mal point is n of the designan ng is available instant ecify a fixed dress ecify the address ecify the address ecification)	point are included in ation method for e when the [Da value for the Da value for the Da ress where the Constant Decimal Places point.	ded in the display the display digits or specifying the I ata Type] is [Dec.] Decimal Places. (I Decimal Places a Decimal Places a Solution of the specimal solution of the specimal solution of the specimal specimal solution of the specimal specimal specimal specimal solution of the specimal	Decimal Places. This] or [Float]. Direct Specification) re stored. (Indirect
Specify Decimal Places Specify Decimal Places Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify Specify	ng is available instant ecify a fixed dress ecify the address ecification) n [Specified I the decimal per example: hen the Total	e when the [Da value for the E ress where the Decimal Places Constant Decimal Places point. Display Digits	ata Type] is [Dec.] Decimal Places. (I Decimal Places a Decimal Places s] is [constant], se] or [Float]. Direct Specification) re stored. (Indirect 1
after For e Wh	the decimal j example: hen the Total	Constant Decimal Places point. Display Digits	s] is [constant], se	lect the number of dig
For e Wh	example: hen the Total	- Display Digits	is 5. and the Num	abor of Docimal Place
The			123.45	epends on the [Data
	Data Length	Data Type	Total Display Digits	Decimal Places
Decimal Places			Setting Range	
		Dec	1~11	0~10
		Hex	1~11	
	16 bit	BCD	1~11	
		Oct	1~11	
		Bin	1~16	
		Dec	1~11	0~10
	Ī	Hex	1~11	
	32 bit	BCD	1~11	
		Bin	1~32	
		Float	1~17	0~16

Setting	Description				
Decimal Places Address	Decimal Places Number of Decimal Places Address Address [PLC1]D00001 When the [Decimal Places Specification] is [Address], specify the Address where Decimal Places are stored.				
Display Style	Select the alignment of the numeric display area's numeric value: [Align Right], [Align Left], or [Align Center].				
Fixed Position	Select this option to display the numeric value in the center of the part.				
Zero Suppress	If this option is selected, leading zeros are not displayed. For example, when Total Display Digits = 4 Image: Construction of the selected s				
Zero Display	Displays "0" when the data is zero.				
7-segment Display	 Select this option to show values as a 7-segment display. NOTE • [This option is not available when a [Fixed Size] is selected in the font [Size] list. • This cannot be set if the [Display Format] option is set on the [Basic] tab's [Extended] screen. 				
Auto-size Font	 For use with the Stroke Font, select this option to display the value without the top and bottom margins. NOTE This cannot be set when [Text Table] is selected. This option is unavailable when the [7-segment Display] check box is selected. 				
Hide Input Value (Show asterisks)	Set whether Input Values will be indicated by asterisks. This feature is useful when entering passwords or other types of inputs that require increased security. NOTE • You cannot use Hide Input Value (Show asterisks) with the [7-segment Display].				
Preview	Displays the data image according to the settings.				

Display Settings/Extended

_0000 📑	Basi Display Asrm/Color Processing		
	Font Type Standard Font		- -
ABC	Total Display Digits 5 📑 🚆 🗹 Fixed Position	Decimal Places	
Select Shape	Display Style		
No Shape	Zero Suppress		
	🔽 Zero Display	Preview	
	7-segment Display	12	345
	🗖 Auto-size Font		
	Hide Input Value (Show asterisks)		
	Display Format		
	Truncated Digits		
	Format		
		gits = Formatted Digits to Display	
		gits – Formatted Digits to Display	
	Time-Base		
	Fixed Input		

Setting		Description		
Font		Sets a font for the numeric values.		
	Font Type	Select a font type for the numeric values from [Standard Font] or [Stroke Font].		
	Size	Chooses a font size for the numeric values. Standard Font: (8 to 64) x (8 to 128). Standard Font (Fixed Size): [6 x 10], [8 x 13], [13 x 23]. (Displays single-byte characters only.) Stroke Font: 6 to 127.		
	Text Attribute	 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]. NOTE • When using [Auto-size Font] with either [7-segment Display] or [Stroke Font], the [Text Attribute] cannot be defined. 		
		Select the number of digits to display in the numeric display. Numbers after the decimal point are included in the display digits. However, the decimal point is not included in the display digits.		

Setting		Desc	ription		
Decimal Places	 Select the designation method for specifying the Decimal Places. This setting is available when the [Data Type] is [Dec] or [Float]. Constant Specify a fixed value for the Decimal Places. (Direct Specification) Address Specify the address where the Decimal Places are stored. (Indirect Specification) 				
	Decimal Places Decimal Places Constant 0 When [Specified Decimal Places] is [constant], select the number of digits after the decimal point. For example: When the Total Display Digits is 5, and the Number of Decimal Places is 2, it will look as follows: 123.45 The number of decimal places you can set up depends on the [Data Type].				
	Data Length	Data Type	Total Display Digits	Decimal Places	
Decimal Places			Setting Range		
	16 bit	Dec	1~11	0~10	
		Hex	1~11		
		BCD	1~11		
		Oct	1~11		
		Bin	1~16		
	32 bit	Dec	1~11	0~10	
		Hex	1~11		
		BCD	1~11		
		Bin	1~32		
		Float	1~17	0~16	
Decimal Places Address		ddress I Places Specifica	tion] is [Address]		

Setting	Description			
Display Style	Select the alignment of the numeric display area's numeric value: [Align Right], [Align Left], or [Align Center].			
Fixed Position	Select this option to display the numeric value in the center of the part.			
Zero Suppress	If this option is selected, leading zeros are not displayed. For example, when Total Display Digits = 4 Zero Suppress Unnecessary zeroes are not displayed displayed			
Zero Display	Displays "0" when the data is zero.			
7-segment Display	 Select this option to show values as a 7-segment display. NOTE This option is not available when a [Fixed Size] is selected in the font [Size] list. This cannot be set if the [Display Format] option is set on the [Basic] tab's [Extended] screen. 			
Auto-size Font	 For use with the Stroke Font, select this option to display the value without the top and bottom margins. NOTE This cannot be set when [Text Table] is selected. This option is unavailable when the [7-segment Display] check box is selected. 			
Hide Input Value (Show asterisks)	 Set whether Input Values will be indicated by asterisks. NOTE You cannot use Hide Input Value (Show asterisks) with the [7-segment Display]. 			
Preview	Displays the data image according to the settings.			

Setting	Description
Display Format	 Select whether to use a Display Format. NOTE This option cannot be selected when, in the [Basic] tab, [Allow Input] is selected. This option cannot be set when [Data Type] is [Bin] on the [Basic] tab.
Truncated Digits	Designate at which digit to truncate (0 to 10). This can only be set when the [Data Type] is [Dec] or [BCD] on the [Basic] tab. When there are no digits to truncate, a value of zero is set.
Format	Format Set the Display Format. The portion which will display data is input with an asterisk "*". Together with the format character portion, it must not exceed 80 characters. The numeric value displays in the asterisks "*" from the lowest position. Select the settings so that the Total Display Digits - Truncated digits = Number of "*". For example: [Total Display Digits] = 6, [Truncated Digits] = 2, [Display Style] = Align Right [Zero Suppress] = OFF, [Format] = ***Kg *00g Display Data Display Data Display Data Display Data Display Data Display = $000Fg100g$ Data is entered starting from the lowest asterisk [*] field position. However, [Truncated Digits] is set to [2], so data is entered starting with the third digit from the right.
Total Displa Digits - Truncated Digits = Number of asterisks * the Format	Displays the calculation method for the number of asterisks "*" in the Display Format.

Setting	Description						
	 Defines whether to use the Time-Base Function. This works only when the following devices are selected: Siemens AG: SIMATIC S7 3964(R)/RK512 Siemens AG: SIMATIC S7 MPI Direct Siemens AG: SIMATIC S7 Ethernet PROFIBUS International: PROFIBUS DP Slave If the [Time-Base] check box is selected, data displays in the following formats. 						
	Word Address 15 12 11 0 MODE Value Value Value						
Time-Base	Using the defined word address, the four most-significant bits specify the decimal point. Each four bit that follows specifies a number for up to three positions to the right of the decimal point. Displays the 4-digit value (including decimal points, spaces, and 0s) + "s" (5th digit). When entering values other than 0h to 09h, displays as follows. When a value outside 0h to 9h is						
	inserted, displays as follows.						
	Mode Display 0Ah Space						
	0h 0.01 Seconds 0Bh :						
	1h 0.1 Seconds 0Ch E						
	2h 1 Seconds 0Dh .						
	3h 10 Seconds 0Eh + 0 to 3h or more 10 Seconds 0Eh -						
	0 to 3h or more 10 Seconds 0Fh - When Value1=1, Value2=2, and Value3=3 11213115 1123115 Mode:1 Mode2						

	Setting			Description		
		At Enable Decimal the curso cursor by For exampl Input	ed point is fixed. W r before or after pressing the "" le: "2" Input "."	tion is fixed when then you input a the decimal point or "" keys.	decimal point, t. You can also Input "2"	you can move move the Input "."
			\ \	/alue displayed in t	he Data Display	
		Input Value	Mode0 (0.01 Seconds)	Mode1 (0.1 Seconds)	Mode2 (1 Second) ^{*1}	Mode3 (10s) ^{*1}
		0	0.00 Seconds	_0.0s	0_s	0s
		2	2.00 Seconds	_2.0s	2_s	20s
3ase	Fixed Input	1.2	1.20 Seconds	_1.2s	Input Not Possible	Input Not Possible
Time-Base		1.23	1.23 Seconds	_1.3s ^{*2}	Input Not Possible	Input Not Possible
-		12	2.00.00s ^{*3}	12.0 Seconds	_12_s	_120s
		12.3	2.30.00s ^{*4}	12.3 Seconds	Input Not Possible	Input Not Possible
		123	3.00s ^{*5}	23.0 Seconds ^{*4}	123_s	1230 Seconds
		 *1 Mode 2 and 3 do not allow decimal input. *2 Because the number of decimal digits is 1, the first decimal value entered (2) is overwritten. *3 Because the number of integral digits is 1, the first entered value (1) is overwritten. *4 Because the cursor does not move to a decimal position until a decimal point is input, the input (1) is ignored. *5 Because the cursor does not move to a decimal position until a decimal point is input, the inputs ("1" and "2") are ignored. 				

Setting Description					
		input enables hi When the Data far right positio	value, which includes the igher precision of display v Display accepts inputs, the n. Value to display	values. e cursor position Mode	
se	Fixed Input	0	0.00 Seconds 0.00 Seconds	0	
Time-Base		1 1.2	1.00 Seconds 1.20 Seconds	0	
Ē		1.23	1.23 Seconds 12.0 Seconds	0	
		12.3	12.3 Seconds	1	
		123	123_s	2	
		1230	1230 Seconds	3	
		1234	Input Not Possible	-	

■ Alarm/Color Settings/Basic

Settings for the Numeric Display's color and numeric data.

💣 Data Display		X
Parts ID DD_0000	Basic Display Alarm/Color Dpenation Process >>Extended	
Comment	1	
ABC	Border Color 7 Blink None Numeral Value Color Shadow Color	
Select Shape	Blink None Plate Color]
🗖 No Shape	1 Blink None	
	Pattern None	
	Alarm Settings	
	Alarm Color Numeral Value Color 6 Y Blink None Y Blink None Y	
Help (H)	OK (0) Cancel	

Setting	Description
Border Color	Select the border color for the Numeric Display.
Numeral Value Color	Set the color for the Numeric Display's numeric data.
Shadow Color	 Set the background color for the Numeric Display's numeric value. NOTE This can only be set when [Shadow] is set on the [Text Attribute] in the [Display] tab's [Font].
Plate Color	 Set a background color for the Numeric Display part. NOTE When the Plate Color is set to transparent and [No Shape] is selected, only the Numeric Value is displayed. However, the range that can be touched when Allow Input is enabled will include only the Numeric Display and becomes smaller than the normal range.
Pattern	Set a background pattern for the Numeric Display.
Pattern Color	Set a pattern color for the Numeric Display.

Setting	Description					
Blink	Select the blink and blink speed. You can choose different blink settings for the [Border Color], [Numeral Value Color], [Shadow Color], [Plate Color], and [Pattern 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)					
 If the [Alarm]'s [Alarm Action] is [Address], choose the method for the word addresses which will store the allower limit value. Area After Display Address In the [Basic] tab, the Min and Max input range value in consecutive addresses that follow the [Monitor With Constructive addresses] 						
	Monitor Word Address Display Data					
	+1 Lower Limit					
Indirect Area Specification	+2 Upper Limit					
	 For example: When [Monitor Word Address] is "D100" The Lower Limit will be "D101", and the Upper Limit will be "D102". Individual Settings Individually define a word address for the [Lower Limit] and a word address for the [Upper Limit]. 					
	The color can be set to change when the value goes outside of a specified range. Select whether to designate [Alarm].					
Alarm	Image: Alarm Settings Alarm Bit Address Alarm Action Direct Alarm Range Image: Alarm Settings Lower Limit Image: Settings Alarm Color Plate Color Numeral Value Color Image: Settings 6 Blink					
	 NOTE The alarm settings can only be set when the number of ranges is one. When the number of ranges is one, the contents of the Basic screen will also be displayed on the Detail screen. If [Allow Input] has been selected under the [Basic Settings] tab, values outside of the alarm range cannot be input. 					

	Setting	Description			
	Alarm Action	 Choose the Alarm Action. Direct Write a set constant as the Alarm' upper/lower limit value. Select the upper and lower limits of the [Display Range] to fit within the ranges of the Max. and Min. values. Proper operation will be prevented if the values exceed the range. Address Specify the address where the Upper/Lower Limit values are stored. Change Color When the [Alarm Bit Address] turns ON, the color changes and an alarm displays. 			
Alarm	Specify the Alarm Range within the Display range	 If [Alarm Action] is [Direct], you can set the upper and lower limit values for the alarm range. Specify whether to set within the [Display Range] of the [Basic Settings] tab. Once selected, you can specify only within the Display Range. Also, preset lower and upper limit values will be input. NOTE When the settings of the Display Range are not displayed or the [Display Specification] is [Address], you can specify within the range from the Min. and Max. values of each data type. 			
	Alarm Bit Address	When the [Alarm Action] is [Change Color], input the bit address which will act as a trigger for the color change. When this bit turns ON, the color change will occur. Continued			

Setting				Description				
			f [2	If [Alarm Action] is [Direct], you can set an upper/lower limit value for the alarm range. When [Alarm Action] is [Address] and [Individual Settings], you can set the word address where the upper and lower limit values are stored. Each [Data Type] and [Sign +/-] has a different setup range.				
				Data Type	Data Length	Sign +/ _	Alarm Range Settings	
					4011	Disable	0 to 65535	
				5	16 bit	Enable	-32768 to 32767	
		5		Dec		Disable	0 to 4294967295	
		n Range r Limit/ Lower			32 bit	Enable	-2147483648 to 2147483647	
	Limit			Bin	16 bit	0000 0	0000/16 bit) 1111 1111/16 bit)	
		Alarm Color		DILI	32 bit	00000000(16 bit) ~ 11111111(16 bit)		
				BCD	16 bit	0 ~ 9999		
					32 bit	0 to 9999999		
E				Hex	16 bit	0FFFF(h)		
Alarm				TIEX	32 bit	0FFFFFF(h)		
				Oct	16 bit only		0 to 177777(o)	
				Float	32 bit only		–9.9e ¹⁶ to 9.9e ¹⁶	
	Alarm			Sets the alarm color.				
	7 (1011)	Numeral Value Color	Select an alarm display color for numeric values from among 256 colors.					
		Plate Color	Select an alarm display background color for numeric value among 256 colors.				l color for numeric values from	
		Pattern Color		elect an alarm display pattern color for numeric values from mong 256 colors.				
		Blink	s	Select the blink and blink speed. You can choose different blink settings in [Numeral Value Color], [Plate Color] and [Pattern Color].				
			5	 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) 				

■ Alarm/Color Settings/Extended

The displayed color will change depending on the numeric data range.

💰 Data Display	×
Parts ID DD_0000	Basic Display Alarm/Color Operation Process
Comment	Ranges 1 📑 🖩 Specify Range Constant 💌
ABC	1
Select Shape	Range Number 0 <= Range01 <= 65535
No Shape	Range 01 Min. 0 😤 🌌 Max. 65535 😤 🎬
	Numeral Value Color 6 Blink None Blink None Blink None None None
	Border 7 Blink None Color 7 Blink None
	Alam Action Direct
	Alarm Color Plate Color Numeral Value Color 6 Y Blink None T Blink None Y
Help (H)	OK (0) Cancel

Setting	Description
Ranges	Set the number of ranges to be color-coded for the numeric display from 1 to 16.
Area Specification	 If [Ranges] is more than "2", select the method to specify the minimum and maximum for each range. If [Ranges] is "1", [Constant] is fixed. Constant Specify a set constant as the Min/Max. (Direct Specification) Address Specify the address where the Min/Max values are stored. (Indirect Specification)

Setting			Description				
Indirect Area Specification		If [Specify Range] is [Address], select the method to specify the address for storing the minimum and maximum numeric values. • Area After Display Address Allocated in order from Min. Max. from the specified address in [Monitor Word Address] on the [Basic] tab. Monitor Word Address +1 +2 Max : For example:					
		 For example: If [Monitor Word Address] is "D100", Min. is "D101", Max. is "D102". Individual Settings Specify a word address for [Min.] and [Max.] individually. 					
	Range Number	th di Fo	Select the range for setting minimum and maximum and color within the range of 1 to 16 in [Ranges]. The value set for [Min.] and [Max.] displays. For example: Min. <= Range** < Max.				
		Set the minimum and maximum values for the range selected in [Range Number]. If [Specify Range] is [Constant], set a min value/ max value. If [Address] is set, specify the address where the min/max value will be stored. The setting range varies according to [Data Type on the [Basic] tab and the presence or absence of a sign.					
			Data T	уре	Sign +/-	Range	
Range				Dee	Disable	0 ~ 65535	
0-				Dec	Enable	-32768 ~ 32767	
	Min. Value/		16 bit	Hex		0 ~ FFFF(h)	
	Max. Value			Oct		-1777770 ~ 177777(o)	
				Bin		0 ~ FFFF(h)	
				BCD		0 ~ 9999	
				Dec	Disable	0 ~ 4294967295	
				200	Enable	-2147483648 ~ 2147483647	
			32 bit	Hex		0 ~ FFFFFFF(h)	
			32 Dit	Bin		0 ~ FFFFFFF(h)	
				BCD		0~99999999	
				Float		–9.9e ¹⁶ ~ 9.9e ¹⁶	

Setting		Description
Range	Color Specification	 Select how to define the color and pattern for the defined range. If [Ranges] is 2 or more, this setting is fixed as [Direct]. Direct Direct The [Display Color], [Pattern], and [Pattern Color] of the range specified in [Range Number] will be directly chosen and set. (Direct Specification) Address Specify the address where the color code will be stored. (Indirect Specification)
	Numeral Value Color	Set the color for the Numeric Display's numeric data.
	Plate Color	Set a background color for the Numeric Display part.
	Pattern	Set a background pattern for the Numeric Display.
	Pattern Color	Set a pattern color for the Numeric Display.
Border Co	olor	Select the border color for the Numeric Display.
Shadow (Color	Set a shadow color for the Numeric Display text.
Blink		Select the blink and blink speed. You can choose different blink settings for the [Numeral Value Color], [Plate Color], [Pattern Color], [Border Color], and [Shadow Color].
		• 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)

Processing

You can perform an arithmetic operation on the data read from the device/PLC, and display the resulting data.

💰 Data Display			×
Parts ID	Basic Display Alarm/Copr Pro	cessing Dita Entry	
DD_0000 🚍			
Comment			
	Operation Data Specification	Indirect Area Specification	
	Constant 💌	Individual Settings 💌	
ABC	Monitor Word Address	Operator Operation Data	
ABC	[PLC1]D00000	+ p	
Select Shape	Data Position ◯ Left ⊙ Right	Operator	
No Shape		Addition (+)	
Help (<u>H</u>)		OK (<u>O</u>)	Cancel

Setting	Description
	Set whether to perform an arithmetic operation on the data stored in [Monitor Word Address] and display the result.
Processing	 NOTE In the following cases, [Processing] cannot be set: When [Specify Input/Display Range] is set. When [Alarm] is set.
Operation Data Specificatior	 Select the method to set the data to operate. Constant Write a set constant as the data to operate. (Direct Specification) Address Designate the address which stores the data to operate. (Indirect Specification)

Setting		Description						
	Indirect Area Specification	me • A Arii Wo Fon V S	If the [Operation Data Specification] is [Address], choose the designation method for the address which will store the data to operate. • Area After Display Address Arithmetic operations take place using the values stored in the [Monitor Word Address], and the address that follows. For example: When Operation Data Specification is [Address], the Indirect Area Specification is [Area After Display Address], and the Operator is [+]. In the device/PLC In the device/PLC Operation Data D100 Operation Data D100 40 5 • Individual Settings					
bu	Monitor Word Address		Select a separate word address for the operation data. The [Monitor Word Address] specified on the [Basic] tab displays.					
Processing	Operation Data	If t ope size	he [Operation data]	on Data S here. Eac	ch [Data Type	er data. is set to [Constant], enter the e] on the [Basic] tab has a different y the address where the operation data		
			Data T	vpe	Sign +/-	Range		
				_	Disable	0 ~ 65535		
					Dec	Enable	-32768 ~ 32767	
			40.1.11	Hex	-	0 ~ FFFF(h)		
			16 bit	Oct	-	-1777770 ~ 177777(o)		
				Bin	-	0 ~ FFFF(h)		
				BCD	-	0 ~ 9999		
				Dee	Disable	0 ~ 4294967295		
				Dec	Enable	-2147483648 ~ 2147483647		
			32 bit	Hex	-	0 ~ FFFFFFF(h)		
				Bin	-	0 ~ FFFFFFF(h)		
				BCD	-	0 ~ 99999999		
				Float	-	$-9.9e^{16} \sim 9.9e^{16}$		
		1						

Setting		Description	
	Data Position	Select the Operation Data or Destination Word Address display position from [Right] or [Left]. Right: The Monitor Word Address is left, the Operation Data or Destination Word Address is right word address	
Processing		Left: The Operation Data or Destination Word Address is left, the Monitor Word Address is right Operator Data Operator Monitor Word Address 70 + (PLC1)D00100	
	Operator	 Choose an operator from [Addition (+)], [Subtraction (-)], [Multiplication (*)], [Division (/)], [Logical AND (&)], [Logical OR ()] or [Exclusive OR (^)]. NOTE When the data format for a calculation is 32 bit Float, only addition, subtraction, multiplication and division can be performed. 	
	 NOTE Any overflowing digits resulting from an arithmetic operation will be ignored. For example, when [16 Bit Hex] is set, the result of "FFFF(h) + 1(h)" would be "0000(h)". If a division produces a remainder, an error may occur as a result of rounding the decimal. Results of base address + offset value calculations are always handled as 16 bit Bin values, regardless of the data length and data format settings. If a calculation result exceeds 16 bits (Max. Value: 65,535), bit 0 to bit 15 are handled as the valid bits and the higher-order bits are discarded. 		

14.11.2 Text Display

■ Basic Settings/Basic

Displays text stored in the specified device/PLC word address.

"14.3 Displaying/Inputting Text Data" (page 14-8)

💣 Data Display		X
	Basic Dicker Color Data Entry Display Data Numeric Display Numeric Display Text Display Date/Time Data Display Monitor Word Address [PLC1]D00100 C Allow Input . [PLC1]D00102	Limit Input Display
Help (H)	Get Operation Log	Cancel

Setting	Description
Monitor Word Address	The Text Display displays text beginning with the word address defined here, for the number of consecutive addresses defined by the [Display Characters] in the [Display] tab. For example: When the [Display Characters] in the [Display] tab is set to "5" and the [Monitor Word Address] is "D100", the last address will become "D102". NOTE • The relationship of high order and low order Word data will differ according to the device/PLC type.
Allow Input	Set whether keypad and barcode reader input will be accepted by the Text Display.

Setting	Description
Get Operation Log	Specifies whether to record the Operation Log. Can be specified only when [Allow Input] is selected. NOTE • When [Enable Operation Log Function] is not selected for the common
	[Operation Log Settings], a message stating that an Operation Log of each individual part cannot be recorded will appear. Select [Enable Operation Log Function] and enable Operation Log Settings.

Basic Settings/Extended

You can indirectly specify an address for the Text Display, or set up an update condition for displayed text.

💰 Data Display	×
Parts ID	Basic Dismay Color Data Entry
DD_0000 📑	Display Data
Comment	
	Numeric Text Date/Time Statistical Show Limit Input Display
ABC	Display Display Data Display Value
nbo	Address Type Direct Specification 🔽 🗹 Allow Input < <u><<basic< u=""></basic<></u>
Select Shape	Monitor Word Address [PLC1]D00000 [PLC1]D00000 [PLC1]D00002
No Shape	
	Display Update Condition
	Data Change Bit ON Bit Change
	Display Update Bit Address 🗾 📟
	Read After Startup
	🔽 Get Operation Log
Help (H)	0K (0) Cancel

Setting	Description
Address Type	You can define the display address (Monitor Word Address) in the following ways: [Direct Specification], [Address], or [Device Type & Address].
Allow Input	You can accept input from a keypad, bar code reader, or a two- dimensional bar code reader. Select this check box to display the [Data Entry] tab.
Monitor Word Address	You can have a real-time numeric display of data stored in the Word Address specified here. To indirectly specify the Monitor Word Address, in the [Address Type] list select [Address] or [Device Type Address].
Address	Indirectly designates to the device specified in [Base Address].

Setting		ettina	Description
Jetting			Description
		Base Address	Address Type Address I Address Address Address Offset Value Specification Address [PLC1]D00000 Content of Bood Address] becomes the standard indirectly designated address. In [Offset Value Specification Address], set the address that stores the offset value from the [Base Address]. For example, when you indirectly specify [Monitor Word Address] D35
Monitor Word Address	Address	Offset Value Specification Address	[Base Address] = D10 [Offset Value Specification Address] = D100 The data in [Offset Value Specification Address] is handled as the offset value from the [Base Address]. In the device/PLC D10
		Bin, BCD	Choose the type of data stored in the [Offset Value Specification Address] from [Bin] or [BCD].
	Device Type & Address		Indirectly designates both the device and address.
		Device/PLC	When [Address Type] is [Device Type & Address], select which device/PLC's address to indirectly designate.

Setting		etting	Description
Monitor Word Address	Device Type & Address	etting Device Specification Start Address	Description Address Type Twice Type Address I Plot New Yout Class Imput the start address of the word address is pecification Start Address]. Store the Address Mode in [Device Specification Start Address]. Store the Address Mode in [Device Specification Start Address]. Address Mode is the mode to determine if the Device Address is for Internal or External (PLC) Device. Store the Device Code and the Address Code in the three Words following [Device Specification Start Address]. The word address specified with the Device Code and the Address Code will be displayed. For example, when you indirectly specify [Monitor Word Address] CN35 [Device Specification Start Address] = D100 [Address Mode] = External (PLC) Device [Device Code] = CN:0061 In the device/PLC Option D100 Address Code(L) D101 Device Code ²¹ D102 Address Code(H) *1 Address Code(H) *2 Please see the "GP-Pro EX Device/PLC Connection Manual" for device codes. If you select an internal device, the device codes are LS area: 0000 and USR area: 0001. The data "40" of the address CN35 designated by D100, D101, D102, and D103 is displayed.

Setting Display Update Condition		Description			
		 Designate the condition which will update the display. This can only be set on the Detail screen. Data Change The display is updated when a change occurs in the data stored in the [Monitor Word Address] on the [Basic] tab. Bit ON The display is updated when a bit stored in the [Monitor Word Address] on the [Basic] tab turns ON. Bit Change The display is updated when a bit stored in the [Monitor Word Address] on the [Basic] tab turns ON. Bit Change The display is updated when a bit stored in the [Monitor Word Address] on the [Basic] tab changes state from ON to OFF or from OFF to ON. NOTE When Visibility Animation is set and [Bit ON] or [Bit Change] is selected, the following operation will occur. When Bit On or Bit Change is selected in the invisible state, the Display Text will be updated while maintaining the invisible state. Subsequently, when it is in the visible state, the updated Text will be displayed. Also, when the Monitor Word Address value is changed, it will maintain the invisible state. Similar to regular operation, the Display Text will not be updated even if the Monitor Word Address value is changed. Subsequently, when it enters the invisible state, Text that has not been updated will be displayed. 			
	Display Update Bit Address	Defines the ON/OFF trigger bit address for when [Display Update Condition] is set to [Bit ON] or [Bit Change].			
R	Read After Startup	When the text data has a large volume or many Text Display parts are set on the single screen, select this check box for each Text Display to increase other tags' display speeds. However, when this is checked, Text Display speeds will decrease.			

NOTE

• After the data has been changed in the monitor address, please change the [Display Update Bit Address] so the text displays. If the changing order is reversed, the text may not display properly.

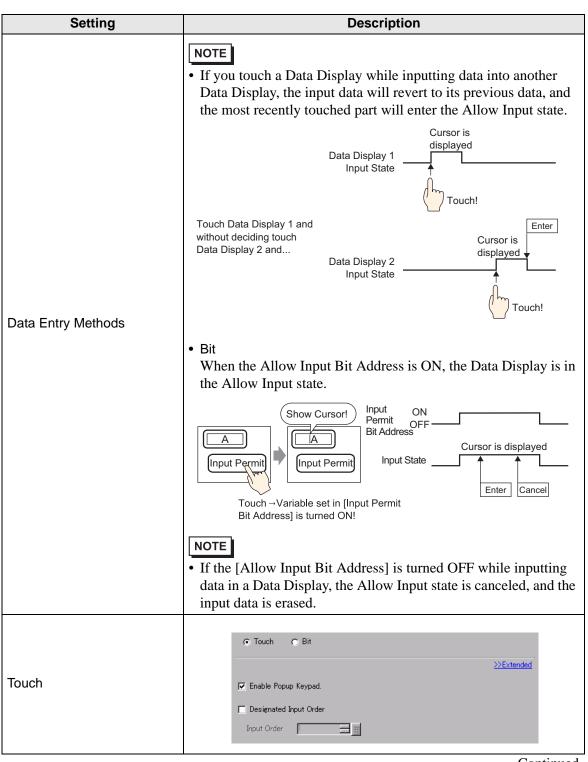
• If the [Display Update Bit Address] changes immediately after the text data changes in the device/PLC, there may be instances where the text does not display correctly. In this case, program the device/PLC to use the [Wait to Send] to slightly delay the trigger bit change.

The [Wait to Send] period depends on the amount of placed parts, scan time, baud rate, and the number of characters used.

Data Entry/Basic

💰 Data Display		×
Parts ID	Basic Display Color Data Entry	
DD_0000	Touch O Bit O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O O	
Comment		
		>>Extended
	🔽 Enable Popup Keypad.	
ABC	Designated Input Order	
Select Shape	Input Order 🛛 📃 🧱	J
No Shape		
Help (<u>H</u>)	OK (Q)	Cancel

Setting	Description
	 Select the method that will change the Data Display to input state (cursor display state). Touch When the Data Display is touched, it will change to the Allow Input state.
Data Entry Methods	Show Cursor! Cursor is displayed Touch Cursor is Cursor is displayed Touch! Cursor is Cursor is Curs
	Continued



Setting		Description		
		Select whether a pop-up keypad will display when you touch the Data Display part.		
Touch	Enable Popup Keypad	Show Keypad!		
		 NOTE A pop-up keypad cannot be used when the Data Display is placed on a Window screen. 		
	Designated Input Order	When entering data into multiple Data Displays in sequence, select the order in which each display enters the input state.		
	Input Order	Select the order, from 1 to 384, in which the Part will enter the input state.		
C Touch © Bit Allow Input Bit Address [PLC1]X00000 Input Order 1 Input		Allow Input Bit Address [PLC1]X00000		
Address the input state.		When the bit address set here turns ON, the Data Display enters the input state.		

Setting		Description		
Bit	Setting Input Order	 Description Number the Parts from 1 to 384 in the order that they will enter the Allow Input state if the [Allow Input Bit Addresses] of multiple Data Display Parts turn ON at the same time (when a bit address has been registered to multiple Data Display parts, or when different bit addresses turn ON at the same time). NOTE If more than one [Allow Input Bit Address] is turned ON at the same time, the Data Displays will enter the input state according to their [Input Order] settings. If the [Input Order] settings are the same, the input state order will be determined by the order the parts were placed. If the [Allow Input Bit Address] of Data Displays placed on the Base Screen and Window Screen turn ON at the same time, the Base and Window screen, make sure to set a different [Allow Input Bit Address]. 		
		Addressj.		
		Multiple [Allow Input Bit Addresses] turn ON simultaneously		

NOTE

• When Visibility Animation is set for the Text Display Parts, the following operations will occur.

- •When it is invisible, it cannot be activated by touch.
- •If a Bit operation is executed when it is visible, the input box will appear, and when you set up the Popup Keypad, the Popup Keypad will also appear.
- •If a Bit operation is executed when it is invisible, it stays in the Invisible state and the input box will not appear. However, if the bit operation is enabled and it is in the visible state while Bit is ON, the input box will appear at the same time. However, when there is a text display part in the input state, the input box will enter an input state when input is completed.
- •When it changes from visible to invisible in the input state, the input state will be canceled. If a popup keypad is being displayed, the popup keyboard also becomes invisible.
- •When the Designated Input Order is enabled, the input state will be transferred to the next Text Display Part. Also, if the input order is applied while invisible, the input box will not appear and it will be transferred to the next Text Display Part.

Allow Input/Extended

💣 Data Display	×
Parts ID DD_0000 + Comment	Basic Display Alarm/Color Operation Process Data Entry
ABC Select Shape No Shape	
	Input Mode Auto Clear ON Input Barcode Input Order Input Order Input Order Input Order Interlock Feature
	Enable Addresses Address Address Touch Enable Condition Security Levels Level
	Input Complete Flag Input Complete Bit Address
Help (H)	OK (0) Cancel

Setting		Description				
	Enable Popup Keypad	 Select whether a pop-up keypad will display when you touch the Data Display part. NOTE A pop-up keypad cannot be used when the Data Display is placed on a Window screen. 				
Touch	Keypad Type	 System Keypad Use the standard keypad registration for GP-Pro EX. Use this in normal cases. User Keypad Create a user-defined keypad with the Keypad part. This keypad allows for customized input. "15.6.1 Keypad Settings Guide n User Keypad" (page 15-33) 				
System Keypad Display the prepared standard		$\begin{array}{c} \hline & \# & \$ & \% & \& & () & () & ? \\ \hline & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 0 & - & = & ¥ \\ \hline & Q & W & E & T & Y & U & I & 0 & P & \land & \blacksquare & \blacksquare \\ \hline & A & S & D & F & G & H & J & K & L & ; & : & \blacktriangleleft & \blacksquare \end{array}$				

Setting			Description					
		r Keypad	Set the number of the custom-made keypad.					
	Keypad			⁽²⁷⁾ "15.6.1 Keypad Settings Guide n User Keypad" (page 15-33)				
	Specify Location		 Select whether to set the pop-up keypad display position. If [Enable] is selected, the pop-up keypad Display Area can be selected and moved after the Data Display part is positioned. NOTE When you group a Data Display with other parts, you cannot select or move the pop-up keypad display area. 					
	Des Ord	ignated Input er		Ũ	ta into multiple Data I h each display enters t	Displays in sequence, select he input state.		
		Input Order		lect the order, fout state.	From 1 to 384, in which	h the Part will enter the		
		Group	Divide the Data Displays into groups for continuous data The cursor will move in turn to each successive Data Dis registered in the same group, according to the input orde them into the Allow Input state. The Group Number can to 10. If 14.13.2 Set Input Order by Group" (page 14-122)					
Touch	Interlock		Designate whether or not to use the Address and Security Level when using the Interlock Feature (a feature that enables Touch only when the conditions are satisfied).					
		Use an Address	via In	a the [Touch Er terlock.	able Condition]. Selec	ne [Address] bit is selected ct the check box to use Using Interlock" (page 14-25)		
		Address	Se	e the enable condition, to bled (disabled) depending				
			Select the condition that will enable the part to be touched, to allow input to be entered.					
			Г	Touch Enable Condition	Address Status	Touch Enabled/ Disabled		
				When Bit is	ON	Touch enabled		
		Touch Enable		ON	OFF	Touch disabled		
		Condition		When Bit is OFF	ON OFF	Touch disabled Touch enabled		
			OTE When the Interl nput, the Data	ock [Touch Enable Co Display will remain in	ondition] is disabled during a the Allow Input state.			
			Interlock will not work until the input is completed.					

Setting			Description			
Touch	Interlock	Use Security Level	Select whether to use the security function for each part. When logged in with a Security Level higher than that set for the part, Touch Operation will be enabled.			
	ıl	Level	Set the Security Level of the part from 1 to 15.			
Bit			C Touch C Bit C Touch C Bit Allow Input Bit Address [PLC1]>>0000 ■ ■ Input Mode Auto Clear ON ■ Input Barcode Input Order ■ Input Complete Flag Input Complete Bit Address ■ ■			
		w Input Bit ress	When the bit address set here turns ON, the Data Display enters the input state.			
	Allow Input Bit Address		 Number the Parts from 1 to 384 in the order that they will enter the Allow Input state if the [Allow Input Bit Addresses] of multiple Data Display Parts turn ON at the same time (when a bit address has been registered to multiple Data Display parts, or when different bit addresses turn ON at the same time). NOTE If more than one [Allow Input Bit Address] is turned ON at the same time, the Data Displays will enter the input state according to their [Input Order] settings. If the [Input Order] settings are the same, the input state order will be determined by the order the parts were placed. If the [Allow Input Bit Address] of Data Displays placed on the Base Screen and Window Screen turn ON at the same time, the Base Screen will have a higher priority for the input state than the Window Screen, make sure to set a different [Allow Input Bit Address]. Multiple [Allow Input Bit Addresses] turn ON simultaneously 			

Setting	Description			
Input Mode	 Auto Clear OFF New data will build on previously input data. Pressing [CLR] on the keypad clears the value. Auto Clear ON The first key pressed (except cursor moves, [ENT], [DEL], or [BS]) will clear the previously input text data. Auto Clear ON + Input Check When using barcode input, check whether the number of input digits coincides with the [Display characters]. If they do not coincide, the data will not be written to the word address. 			
Input Barcode	A setting that allows input from a barcode reader.			
Input Complete Flag	Detects and notifies you when input has been completed.			
Sets the bit address that will turn ON when input has bee completed. Input Complete Bit Address Input Complete Bit Address Input Complete Bit Address Input Complete Bit Address Input State Input Completion Bit Address Input Completion Bit Address				

Display Settings

Set the Text Display's font and attributes.

💕 Data Display					×
Parts ID	Basic Display Colur	· ·			
DD_0000 🛨	Font				
Comment	Font Type	Standard Font	Size	8 x 16 Pixels	•
	Display Language	ASCII	Text Attribute	Normal	•
ABC	Display Characters	✓ Fixed Position			
	sector stress	I INGT USUUT			
Select Shape	Display Style ≣ ≣ ≣				
No Shape	- Second Communities				
	🔲 Hide Input Value	(Show asterisks)			
Help (H)			0	K (<u>D)</u> Ca	ancel

Setting		Description			
Font		Set a font for the text.			
	Font Type Choose a font type for the text.				
		Choose a font size for the text.			
		Standard Font: (8 to 64) x (8 to 128).			
	Size	Standard Font (Fixed Size): [6x10], [8x13], [13x23].			
		(Displays single-byte characters only.)			
		Stroke Font: 6 to 127.			
	Display	Select the display language: [Japanese], [ASCII], [Chinese (Simplified)],			
	Language	[Chinese (Traditional)], [Korean], [Cyrillic], or [Thai].			
		Select the text attributes.			
		Standard Font: Choose from [Standard], [Bold], [Shadow].			
	Text Attribute	(When using the [6x10] font size, select either			
		[Standard] or [Shadow].)			
		Stroke Font: Choose from [Standard], [Bold], [Outline].			
Displ	ay Characters	Set the number of characters to be displayed from 1 to 100.			
Fixed	d Position	Set whether the text will be fixed in the center of the Part.			
Display Style		Select the alignment of the text display area's text: [Align Right], [Align Left], or [Align Center].			
Hide Input Value (Show asterisks)		Set whether Input Values will be indicated by asterisks.			

■ Color Settings/Basic

Select the Text Display's color.

💰 Data Display		×
Parts ID DD_0000	Basic Display Color Da a Entry	
Comment	2	>>Extended
	Border Color	
	7 Blink None 💌	
	Text Color Shadow Color	
ABC	6 June 7 June Blink None	V
	Plate Color	
Select Shape	Blink None	
No Shape	Pattern	
	None	
Help (<u>H</u>)	OK (Q)	Cancel

Setting	Description
Border Color	Select a border color.
Text Color	Select a text color.
Shadow Color	Select a text background color.
Plate Color	 Select a background color. NOTE When the Plate Color is set to transparent and [No Shape] is selected, only the words are displayed. However, the range that can be touched when Allow Input is enabled will include only the Text Display Parts and becomes smaller than the normal range.
Pattern	Select a background pattern.
Pattern Color	Select a background pattern color.
Blink	 Select the blink and blink speed. You can choose different blink settings for the [Border Color], [Text Color], [Shadow Color], [Plate Color], and [Pattern 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)

■ Color Settings/Extended

Select how the color of the Text Data of the Text Display Parts changes when the bit turns ON.

Parts ID Basic Dispay Color Comment Border Color T Border Color Text Color Text Color Blink None Plate Color No Shape Pattern None V
Comment Border Color 7 Blink Text Color Shadow Color ABC 6 Blink None Plate Color Select Shape No Shape Pattern
Image Color Bit Address [PLC1]x00000 Text Color Blink None Plate Color Pattern None
Неір (<u>H</u>) ОК (<u>Q</u>) Сапсе!

	Setting	Description
Char	nge Color	Select whether a different color will be displayed when the designated [Bit Address] turns ON.
	Bit Address	When the address set here turns ON, the color change will occur.
	Text Color	When the [Bit Address] turns ON, this text color will be displayed.
	Plate Color	When the [Bit Address] turns ON, this background color will be displayed.
	Pattern	Select a background pattern.
	Pattern Color	Select a background pattern color.
		Select the blink and blink speed. You can choose different blink settings for the [Text Color], [Plate Color], and [Pattern Color].
	Blink	 NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. ^C "8.5.1 Setting Colors ■ List of Compatible Colors" (page 8-36)

14.11.3 Date/Time Display

Basic Settings

Displays the Date/Time.

🖗 Data Display	
Parts ID	Basic Colur
DD_0000 🕂	Display Data
Comment ABC	Numeric Text Date/Time Statistical Show Limit Input Display
Select Shape	Font Font Type Standard Font V Size 8 x 16 Pixels V Text Attribute Normal V
No Shape	Date yy/mm/dd Fixed Position
	✓ Day of the Week
	Time hh:mm
	Preview
	☐ 7-segment Display yy/mm/dd (Mon) hh:mm
Help (H)	OK (O)Cancel

	Setting	Description
Font		Set a font for the date/time.
	Font Type	Choose a font type for the date/time from [Standard Font] or [Stroke Font].
		Choose a font size for the date/time.
		Standard Font: (8 to 64) x (8 to 128).
	Size	Standard Font (Fixed Size):[6x10], [8x13], [13x23].
		(Displays single-byte characters only.)
		Stroke Font: 6 to 127.
		Select the text attributes.
		Standard Font: Choose from [Standard], [Bold], [Shadow].
		(When using the [6x10] font size, select either [Standard] or [Shadow].)
	Text Attribute	Stroke Font: Choose from [Standard], [Bold], [Outline].
		NOTE
		• This setting is unavailable for [7-segment Display].

Setting	Description	
	Set whether to display the date, and select the display format from [yy/mm/dd], [dd/mm/yy], [mm/dd/yy], [20yy/mm/dd], [dd/mm/20yy], or [mm/dd/20yy].	
Date	 NOTE When working with a double-byte character language and you select a display format that includes the year, month or date, values display in double-byte characters. However, if you select [7-segment Display], those same values display in single-byte characters. 	
Day of the Week	Select whether to display the day.	
Time	 Specify whether to display the time and select the time format from [hh:mm] or [hh:mm:ss]. NOTE When working with a double-byte character language and you select a display format that includes hours, minutes, or seconds, values display in double-byte characters. However, if you select [7-segment Display], those same values display in single-byte characters. 	
Fixed Position	Select this option to display the numeric value in the center of the part.	
7-segment Display	 Select this option to show values as a 7-segment display. NOTE This cannot be set when [Size] is [Fixed Size]. This can be set only when [Text Attribute] is selected as [Standard]. 	
Preview	Displays the data image according to the settings.	

■ Color Settings

The Color tab settings define the colors in the Date/Time Display part.

"14.6 Displaying the Date and Time" (page 14-22)

Data Display	×
Parts ID	Balic Color
DD_0000	
Comment	Border Color
	Numeral Value Color Shadow Color
ABC	6 🚽 Blink None 🔽 🔽 7 🖵 Blink None 💌
	Plate Color
Select Shape	Blink None
No Shape	
I no onape	Pattern
	None
Help (<u>H</u>)	OK (<u>O</u>) Cancel

Setting	Description
Border Color	Defines the border color for the Date/Time Display.
Numeral Value Color	Defines the text color for the Date/Time Display.
Shadow Color	Defines the shadow color in the text attributes for the Date/Time Display.
Plate Color	Defines the plate color for the Date/Time Display.
Pattern	Defines the pattern for the Date/Time Display.
Pattern Color	Defines the color that intersperses the plate color to create a pattern for the Date/Time Display.
	Select the blink and blink speed. You can choose different blink settings for the [Border Color], [Numeral Value Color], [Shadow Color], [Plate Color], and [Pattern Color].
Blink	 NOTE There are cases where you can and cannot set Blink depending on the Display Unit and System Settings' [Color Settings]. ^C "8.5.1 Setting Colors ■ List of Compatible Colors" (page 8-36)

14.11.4 Statistical Data Display

This function takes statistics from the values of successive word addresses, and displays them as numeric values. This is mainly used to display statistical graph data set in a Graph. The statistical data settings can be set independently, even without using the Graph's settings.

NOTE	• When setting Visibility Animation, it will be set for the Statistical Data
·	Display Part. It cannot be set individually for each data item.

Basic

Parts ID DD_0000 🕂	Basic Diplay Color Display Data
Comment	
ABC	Numeric Text Date/Time Statistical Show Limit Input Display Display Display
HDU	Data Divisions
Select Shape	Word Address
🗌 No Shape	[PLC1]D0000
	Data Type
	16 Bit Bin

Setting	Description
Data Divisions	Set the no. of Data shown in the Statistical Data Display. The setting range is from 2 to 16.
Word Address	Defines the initial word address for data in the Statistical Data Display. Data Divisions defines the number of consecutive word addresses from this word address displayed in the Statistical Data Display part. When using the Statistical Data Display with a Data Block Display Graph, the word address in this field corresponds to the graph's.

Setting	Description	
Data Type	Select the type of data to be displayed.	
	Bit Length Data Type	
	16 bit Bin, BCD	
	32 bit Bin, BCD, Float	
	 • A single Statistical Data Display cannot combine data from different data types such as Bin, BCD, and Float. 	t

Display Settings

Set the Statistical Data Display's font and attributes.

🇯 Data Display	
Parts ID DD_0000 📑 Comment	Bac Display Cor
	Font Type Standard Font 💌 Size 8 x 16 Pixels 💌 Text Attribute Normal 💌
ABC	Display Format Percentage
Select Shape	Total Display Digits Decimal Places Decimal Places
☐ No Shape	Display Style
	7-segment Display 100% Auto-size Font
Help (H)	OK (0) Cancel

	Setting	Description	
Font		Set a font for the text.	
	Font Type Choose a font type for the statistical data from [Standard Font] or [Font].		
	Size	Choose a font size for the statistical data. Standard Font: (8 to 64) x (8 to 128). Standard Font (Fixed Size): [6x10], [8x13], [13x23]. (Displays single-byte characters only.) Stroke Font: 6 to 127.	
	Text Attribute	 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]. NOTE When using [Auto-size Font] with either [7-segment Display] or [Stroke Font], the [Text Attribute] cannot be defined. 	

Continued

Setting	Description				
	There are three ways t Value], and [Numeric			ercentage], [Numeric	
Display Format	IMPORTANT				
	When [Percentage] create results that, v				
Total Display Digits	If the [Display Format] is set to [Numeric Value] or [Percentage + Value], set the digits to be displayed in the Statistical Data Display. Numbers after the decimal point are included in the display digits. However, the decimal point is not included in the display digits.				
	Select the designation setting is available wh • Constant				
Specify Decimal Places	Specify a fixed valuAddress	e for the Dec	cimal Places. (I	Direct Specification)	
	Specify the address Specification)	where the De	ecimal Places a	re stored. (Indirect	
		Decimal Places	Decimal Places	1	
	When [Specified Decimal Places] is [constant], select the number of digits after the decimal point.For example:When the Total Display Digits is 5, and the Number of Decimal Places is 2, it will look as follows:				
Decimal Places	The number of decimal places you can set up depends on the [Data Type].				
	Data Length	Data Type	Total Display Digits	Decimal Places	
	16 bit	Bin BCD	1 ~ 11	1 ~ 10	
		Bin		1 ~ 10	
	32 bit	BCD	- 1 ~ 11	-	
		Float	1 ~ 17	1 ~ 16	
Decimal Places	Decir Addr		umber of Decimal Places Add PLC1]D00001	iress	
Address	When the [Decimal Pl Address where Decim	-		ress], specify the	
Display Style	There are three ways of positioning statistical data: [Align Right], [Align Left], and [Align Center].				
				Continued	

Setting	Description		
Zero Suppress	If this option is selected, leading zeros are not displayed. For example: When Total Display Digits = 4 Zero Suppress 25 Leading zeroes are not displayed Leading zeroes are added to correspond to the length of Display Digits		
7-segment Display	 Select this option to show values as a 7-segment display. NOTE This can be set only when [Text Attribute] is selected as [Standard]. This option is not available when a [Fixed Size] is selected in the font [Size] list. 		
Auto-size Font	 For use with the Stroke Font, select this option to display the value without the top and bottom margins. NOTE This cannot be set when [Text Table] is selected. This option is unavailable when the [7-segment Display] check box is selected. 		
Preview	Displays the data image according to the settings.		

Color Settings

Select colors for the Statistical Data Display.

💰 Data Display	X
Parts ID	Basic Display Color
DD_0000	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
	Border Color 7 V Blink None V
ABC	Shadow Color
Select Shape	Plate Color 🔲 I 💌 Blink None 💌
🥅 No Shape	
Help (<u>H</u>)	OK (Q) Cancel

Setting	Description	
Select State Bar	Displays the division range number selected in [Data Divisions].	
Border Color	Set the border color.	
Text Color	Set the text color.	
Shadow Color	Set the shadow color.	
Plate Color	Select the background color.	
	Select the blink and blink speed. You can choose different blink settings for the [Border Color], [Text Color], [Shadow Color], and [Plate Color].	
Blink	 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)	

14.11.5 Show Limit Value

Displays the set Alarm values (the displayed data's upper/lower limit values) on the same screen as a Numeric Display part with alarms set.

Basic

Data Display Parts ID DD_0000 Comment	Basic Display Data Numeric Text Display Date/Time Date/Time Statistical Display Display Display Display Display Display Display
	Font Font Type Standard Font Size 8 x 16 Pixels Text Attribute Normal Min Value Color Max Value Color
	Numeral Value Color Numeral Value Color 6 Blink None Plate Color Plate Color 1 Blink None
	Shadow Color 7 Shadow Color 7 Blink None 7 Blink None 7 Segment Display
Help (H)	C Auto-size Font

Setting	Description
Font	Set the font.
Font Type	Choose a font type for the Limit Value from [Stroke Font] or [Bitmap Font].
Size	Choose a font size for the Limit Value. Standard Font: (8 to 64) x (8 to 128). Standard Font (Fixed Size): [6x10], [8x13], [13x23]. (Displays single-byte characters only.) Stroke Font: 6 to 127.
Text Attribute	 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]. NOTE When using [Auto-size Font] with either [7-segment Display] or [Stroke Font], the [Text Attribute] cannot be defined.

Continued

Setting		Description	
Numeral Value Color		Set a color for the min value/max value.	
Maximum Value/Minimum Value Color	Plate Color	Set the background color for the max/min value.	
	Shadow Color	Set the shadow color for the Limit Value.	
7-segment Display		 Select this option to show values as a 7-segment display. NOTE This can be set only when [Text Attribute] is selected as [Standard]. This option is not available when a [Fixed Size] is selected in the font [Size] list. 	
Auto-size Font		 For use with the Stroke Font, select this option to display the value without the top and bottom margins. NOTE This option is unavailable when the [7-segment Display] check box is selected. 	
Blink		 Select the blink and blink speed. You can choose different blink settings for the [Numeral Value Color], [Plate Color], and [Shadow 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) 	
NOTE	data tyj • In the A no Data	out range's (Limit Value's) data type depends on the Numeric Display's pe. Allow Input state, if there is no [Alarm] in a Data Display or if there is a Display part, the value range will be displayed as a blank. t is in the Input state, a rectangle of the Data Part is usually left	

• Once it is in the Input state, a rectangle of the Data Part is usually left displayed, but if the Visibility Animation Function is selected, the rectangle will not be displayed during a non-input state.

14.11.6 Input Display

It is used as the Input Display for the User Keypad.

- For details on how to perform these settings, refer to the following.
 - One data item can be placed per screen.

Basic

💰 Data Display			X
Parts ID	Basic		
DD_0000 📫	Display Data		
Comment		1	
	Numeric Text Display Display	Date/Time Statistical Display Data Display	Show Limit Value
ABC			
	Font		
Select Shape	Font Type Standard Fo	int 💌 Size	8 x 16 Pixels 💌
No Shape		Text Attribute	Normal
	Total Display 5	🗄 🧱 🔽 Fixed Di	splay Position
	Digits 15		nt Display
		☐ Auto-siz	
	Color		
	Border Color		
	🗖 7 💌 Blink	None	
	Font Color	Shadow Color	
	□ 6 Blink	None 7	➡ Blink None ▼
	Plate Color	,	
	■ 1 ■ Blink	None	
	Pattern	Pattern Color	
	None	•	➡ Blink None ▼
	,		
Help (H)			OK (O) Cancel

Setting	Description
Font	Configure font settings for the Input Display.
Font Type	Choose a font type for the Input Display from [Standard Font] or [Stroke Font].
Size	Choose a font size for the Input Display. Standard Font: (8 to 64) x (8 to 128). Standard Font (Fixed Size): [6x10], [8x13], [13x23]. (Displays single-byte characters only.) Stroke Font: 6 to 127.
Text Attribute	 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]. NOTE • When using [Auto-size Font] with either [7-segment Display] or [Stroke Font], the [Text Attribute] cannot be defined.
Total Display Digits	Select the number of digits to display in the numeric display. Numbers after the decimal point are included in the display digits. However, the decimal point is not included in the display digits.
Fixed Position	Select this option to display the numeric value in the center of the part.
7-segment Display	 Select this option to show values as a 7-segment display. NOTE This can be set only when [Text Attribute] is selected as [Standard]. This option is not available when a [Fixed Size] is selected in the font [Size] list.
Auto-size Font	 For use with the Stroke Font, select this option to display the value without the top and bottom margins. NOTE This cannot be set when [Text Table] is selected. This option is unavailable when the [7-segment Display] check box is selected.
Blink	 Select the blink and blink speed. You can choose different blink settings for the [Border Color], [Numeral Value Color], [Shadow Color], [Plate Color], and [Pattern 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)
Border Color	Set the border color for the Input Display Part.

Continued

Setting	Description
Numeral Value Color	Set the text color for the Input Display Part.
Shadow Color	Set the shadow color for the Input Display Part.
Plate Color	Set a background color for the Numeric Display part.
Pattern	Select a background pattern for the Input Display Part.
Pattern Color	Select a background pattern color for the Input Display Part.

14.12 Restrictions

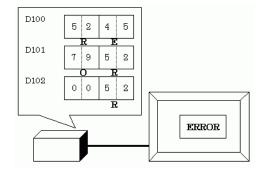
14.12.1 Text Display Restrictions

- It may take longer to transfer text strings because text is larger than other data types. You can change the text display faster with one of the following procedures:
 - If the text is short, set [Display Update Condition] to [Data Change] and display without using [Display Update Bit Address].
 - If the text is long, select [Bit ON] or [Bit Change], and [Display Update Bit Address].
- Even if you are using the [Hide Input Value (Show asterisks)] feature, single-byte spaces do not appear as asterisks [*].
- A NULL code or Display characters (no. of bytes) is recognized at the end of a text string. If the actual number of displayed characters is smaller than the number of characters set in [Display characters], please store NULL="00(h)" (In Unicode, Null="0000(h)" in the left-over portion of the address if the device/PLC. If there is still room left after the NULL, a SPACE (_)="20(h)" character will be stored.

For example:

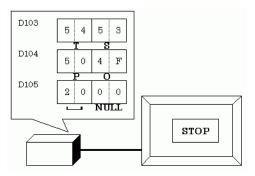
Display characters = 6

Actual Number of Displayed Characters ("ERROR") = 5



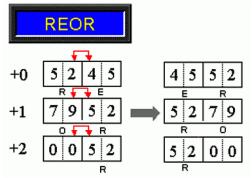
For example:

Display characters = 6 Actual Number of Displayed Characters ("STOP") = 4



• The relationship of high order and low order Word data will differ according to the device/PLC type.

If the text is not displayed correctly, as in the following example, change the character code's store order in the device/PLC.



• When you input text to a Data Display set up with integer variables, regardless of how text is set up on the device/PLC, the data displays as follows.

For example, display characters: 4, Allow Input is selected, Input Character "ABCD"

	31	24	23	16	15	8	7	0
HEX	44		43		42	2	41	
ASCII	D		C		В	•	Α	

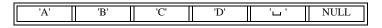
Character Input

• If the number of input characters is less than the [Display characters], a SPACE character ("_20h") will be stored in the remaining portion.

Display characters= 6 Inputted Characters = 4 (when using a 16-bit device)



Display characters= 5 Inputted Characters = 4 (when using a 16-bit device)



14.12.2 Limitations of Time-Base Function

- If the device specified in the [Basic Settings] workspace's [Monitor Word Address] field is not compatible, the Time-Base function will not work.
- If you select the [Time-Base] check box, you cannot change the following items:

Category	Items	Fixed Value		
	Address Type	Direct Specification		
	Input/Display Range Definitions	Disable		
Basic	Data Type	16 Bit Dec		
	Sign +/-	Disable		
	Round Off	Disable		
	Total Display Digits	3		
	Decimal Places	0		
Display	Display Style	Align Right		
Display	Zero Suppress	Enable		
	Zero Display	Enable		
	Display Format	Disable		
	Ranges	1		
Alarm/Color	Area Specification	Constant		
Settings ^{*1}	Range Number	Min:		
eet		Max:		
	Alarm Action	Direct		
Processing	Processing	Disable		
Allow Input	Input Barcode	Disable		

^{*1} If the [Allow Input] check box is selected in the [Basic] tab and the [Fixed Input] check box is cleared in the [Time-Base] group, you cannot change the [Alarm] in the [Alarm/Color] tab.

You can set the [Alarm Range] with a value from 0 to 999.

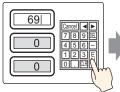
• In the middle of a data input from the GP, even if you change how the defined address stores its data, the input will continue to use the previous input setting. This is not updated in real time.

14.13 How Data Input Order Works

key

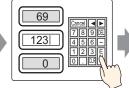
14.13.1 Set Input Order

After confirming the input in a given Data Display (and pressing the [ENT] key), the Data Display part registered with the next [Input Order] number enters the Allow Input state.



Input data and touch

the [ENT] key

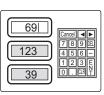


The input is confirmed and the next Data

Display part in the input order enters the Input

Permit state. ? Input data and touch the [ENT]

69 123 45 6 12 3 0 2 0



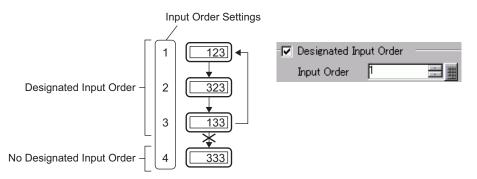
The input is confirmed and the Data Display part at the top of the input order once again enters the Input Permit state.

Ending sequential input

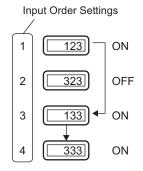
For [Touch], when inputting is complete, you can touch the keypad's [CANCEL] key, or touch the currently selected Data Display part again. For [Bit], the input is complete when you turn OFF the [Allow Input Bit Address].

Sequential input targets

For [Touch], the Data Displays that have a [Designated Input Order] set become targets for sequential inputting.

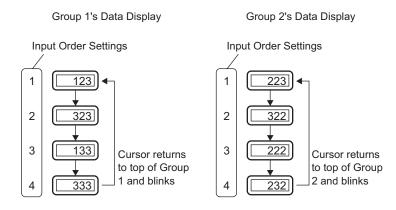


For [Bit], although there is a setting to control the input order of all Data Display parts, in practice, the only target of sequential input is having [Allow Input Bit Address] ON.

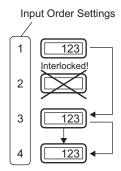


14.13.2 Set Input Order by Group

For [Touch], sequential input Data Displays can be divided up into groups on the Detail screen. Sequential input then takes place inside each group.



• If there is an interlocked data display part in the [Input Order], skip the interlocked part and proceed to the next Data Display part that is ready for inputs. In the following figure, the order is 1, 3, 4, 1.



- If you press the left or right arrow keys while inputting, the current input will be canceled, the previous data will appear, and the next Data Display in the input order will enter the Allow Input state and display the cursor.
- In the figure below, when the second Data Display Part of the [Input Order] becomes available for input, you can input data in the following order: 2, 3, 4, 1, 2.

