MITSUBISHI

GOT900 Series

Operating Manual(Introductory Manual)







MITSUBISHI Graphic Operation Terminal

• SAFETY PRECAUTIONS •

(Always read these instructions before using this equipment.)

Before using this product, please read this manual and the relevant manuals introduced in this manual carefully and pay full attention to safety to handle the product correctly.

The instructions given in this manual are concerned with this product. For the safety instructions of the programmable controller system, please read the CPU module user's manual.

In this manual, the safety instructions are ranked as "WARNING" and "CAUTION".



Note that the \triangle CAUTION level may lead to a serious consequence according to the circumstances. Always follow the instructions of both levels because they are important to personal safety.

Please save this manual to make it accessible when required and always forward it to the end user.

[Test Operation Precautions]

WARNING Before performing test operation (bit device on/off, word device's present value changing, timer/counter's set value and present value changing, buffer memory's present value changing) for a user-created monitor screen, read the manual carefully to fully understand how to operate the equipment. During test operation, never change the data of the devices which are used to perform significant operation for the system. False output or malfunction can cause an accident.

REVISIONS

Print Date	* Manual Number	* The manual number is given on the bottom left of the back cov Revision
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INTRODUCTION

Thank you for choosing the Mitsubishi Graphic Operation Terminal. Before using the equipment, please read this manual carefully to use the equipment to its optimum.

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About Manuals

The following manuals related to this product are available. Obtain the manuals as required the according to this table.

Related manual

Manual name	Manual number (Model code)
GT Works Version5/GT Designer Version5 Operating Manual (Start up Manual) Describes how to install GT Works Version5/GT Designer Version5 into a personal computer and how to browse the online manuals.	IB-0800143 (1DM183)
(Found in the packing of the GT Works Version5/GT Designer Version5)	
GT Works Version5/GT Designer Version5 Reference Manual Deals with the system configuration of GT Works Version5/GT Designer Version5, the screen makeup of the GT Designer, the general description of various monitoring functions, the procedure for displaying the monitor screen on the GOT, and how to use the help function. (Available as option)	SH-080117 (1DM187)
GT Simulator Version5 Operating Manual	SH-080120
Explains the system configuration, screen makeup and using methods of GT Simulator. (Available as option)	(1DM191)
GOT-A900 Series User's Manual (GT Works Version5/GT Designer Version5 compatible Connection System Manual) Gives the specifications, system configuration, setting method and connection diagram of each connection form available for the GOT-A900 series. (Available as option)	SH-080119 (1DM189)
A985GOT/A975GOT/A970GOT/A960GOT User's Manual Explains the specifications, general system configuration, component devices, part names, option unit loading methods, installation and wiring methods, maintenance and inspection methods, and error codes of A985GOT/A975GOT/A970GOT/A960GOT unit. (Available as option)	SH-4005 (1DM099)
A950GOT/A951GOT/A953GOT/A956GOT User's Manual Explains the specifications, general system configuration, component devices, part names, option unit loading methods, installation and wiring methods, maintenance and inspection methods, and error codes of A950GOT/A951GOT/A953GOT/A956GOT unit. (Available as option)	SH-080018 (1DM103)
GOT-A900 Series Operating Manual (GT Works Version5/GT Designer Version5 compatible Extended • Option Functions Manual) Provides the specifications of the utility, system monitoring, ladder monitoring, special function unit monitoring, network monitoring functions and list editor functions available for the GOT-A900 series and how to operate the dedicated monitor screen. (Available as option)	SH-080118 (1DM185)

Abbreviations and generic terms in this manual

Abbreviations and generic terms used in this manual are described as follows:

Abbrevia	ations and generic terms	Description
	A985GOT	Generic term of A985GOT-TBA, A985GOT-TBD and A985GOT-TBA-EU
	A975GOT	Generic term of A975GOT-TBA-B, A975GOT-TBD-B, A975GOT-TBA, A975GOT-TBD and A975GOT-TBA-EU
	A970GOT	Generic term of A970GOT-TBA-B A970GOT-TBD-B, A970GOT-TBA, A970GOT-TBD, A970GOT-SBA, A970GOT-SBD, A970GOT-LBA, A970GOT-LBD, A970GOT-TBA-EU and A970GOT-SBA-EU
	A97*GOT	Generic term of A975GOT and A970GOT
	A960GOT	Generic term of A960GOT-EBA, A960GOT-EBD and A960GOT-EBA-EU
	A956GOT	Generic term of A956GOT-TBD, A956GOT-SBD, A956GOT-LBD, A956GOT-TBD-M3, A956GOT-SBD-M3 and A956GOT-LBD-M3
GOT	A953GOT	Generic term of A953GOT-TBD, A953GOT-SBD, A953GOT-LBD, A953GOT-TBD-M3, A953GOT-SBD-M3 and A953GOT-LBD-M3
	A951GOT	Generic term of A951GOT-TBD, A951GOT-SBD, A951GOT-LBD, A951GOT-TBD-M3, A951GOT-SBD-M3 and A951GOT-LBD-M3
	A951GOT-Q	Generic term of A951GOT-QTBD, A951GOT-QSBD, A951GOT-QLBD, A951GOT-QTBD-M3, A951GOT-QSBD-M3 and A951GOT-QLBD-M3
	A950GOT	Generic term of A950GOT-TBD, A950GOT-SBD, A950GOT-LBD, A950GOT-TBD-M3, A950GOT-SBD-M3 and A950GOT-LBD-M3
	A950 handy GOT	Generic term of A953GOT-SBD-M3-H and A953GOT-LBD-M3-H
	A95*GOT	Generic term of A956GOT, A953GOT, A951GOT, A951GOT-Q, A950GOT and A950 handy GOT
Communica- tion board	Bus connection board	Generic term of A9GT-QBUSS, A9GT-QBUS2S, A9GT-BUSS and A9GT-BUS2S
	GT Works Version5	SW5D5C-GTWORKS-E software package
	GT Designer Version5	Generic term of SW5D5C-GOTR-PACKE software package and SW5D5C-GOTR-PACKEV software package
	GT Designer	Abbreviation of image creation software GT Designer for GOT900
Software	GT Simulator	Abbreviation of GT Simulator screen simulator GOT900
	GT Converter	Abbreviation of data conversion software GT Converter for GOT900
	GT Debugger	Abbreviation of debugging software GT Debugger
	GT Manager	Abbreviation of GT Manager data editing software for GOT900
	AnUCPU	Generic term of A2UCPU, A2UCPU-S1, A3UCPU and A4UCPU CPU units
	AnACPU	Generic term of A2ACPU, A2ACPU-S1 and A3ACPU CPU units
	AnNCPU	Generic term of A1NCPU, A2NCPU, A2NCPU-S1 and A3NCPU CPU units
CPU	ACPU (Large Type)	Generic term of AnUCPU, AnACPU and AnNCPU CPU units
CPU	A2US(H)CPU	Generic term of A2USCPU, A2USCPU-S1 and A2USHCPU-S1 CPU units
	AnS(H)CPU	Generic term of A1SCPU, A1SHCPU, A2SCPU and A2SHCPU CPU units
	A1SJ(H)CPU	Generic term of A1SJCPU-S3 and A1SJHCPU CPU units
	ACPU (Small Type)	Generic term of A2US(H)CPU, AnS(H)CPU and A1SJ(H)CPU CPU units
	Memory	abbreviation of mmory (flash memory) in the GOT
Others	OS	Abreviation of GOT system software
Ouleis	Object	Setting data for dynamic image
	Personal Computer	Personal computer where the corresponding software package is installed

CHAPTER1 FUNDAMENTAL KNOWLEDGE

This manual describes procedures for creating a simple screen and monitoring with the GOT for learning basic operations.

If using the GOT for the first time, read this manual to become familiar with operation of the GOT and the GT Designer.

POINT

The screen data and sequence programs created in Chapters 3 and 4 of this manual are packed with GT Designer.

Use them as required to check settings, for example.

1.1 About GOT

(1) What is the GOT?

The GOT can be used as an electronic operator panel which has achieved on its monitor screen the switch operation, lamp indication, data display, message display and other operations which were previously performed on an operator panel.





(2) About monitor screen data to be displayed on the GOT The monitor screen data to be displayed on the GOT are created on a personal computer using the dedicated software (GT Designer). You can perform the corresponding functions of the GOT by pasting display

frame figures called switch figure, lamp figure, numerical display and other objects to create screens on GT Designer, and setting PLC CPU device memory (bit, word) driven operating functions to the pasted objects.

The monitor screen data created are transferred to the GOT through an RS-232C cable or PC card (memory card).



1

1.2 About GOT Operations

This section briefly explains what operations the GOT will perform when it is connected with the PLC CPU.



(2) Operation explanation



 While the "Run" touch key of the GOT is touched, the bit device "M0" is ON.



2) When the bit device "M0" turns ON, the bit device "Y10" turns ON.

An ON figure also appears as the GOT's lamp display where the monitor device is preset to the bit device "Y10".

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1.3 Mouse Usage and Operations

Describes basic operations of the mouse.



3) Since the bit device "M0" is ON, "123" is stored into the word device "D10".

"123" also appears as the GOT's numerical display where the monitor device is preset to the word device "D10".

4) While the "Stop" touch key of the GOT is touched, the bit device "M1" of the PLC CPU is ON.

Since the bit device "Y10" of the PLC CPU turns OFF, the lamp display of the GOT turns OFF.



1.4 System Configuration Used in the Manual

1.5 Procedures for Use of GOT

Describes the procedures from installation of the GT Designer to monitoring with the GOT.



CAHPTER2 SETTING FIGURES AND OBJECTS

2.1 Drawing a Figure

Describes how to draw a figure.

POINT

This chapter deals with only the drawing and editing of figures used in this manual. For the drawing and editing of other figures, refer to the help function of GT Designer.

When drawing a figure, click the icon of the figure you want to draw.



(1) When drawing a rectangle



1) Click the left mouse button at the start point of the rectangle.

- 2) Drag the cursor to the end point.
- 3) Release the left mouse button. A rectangle appears.



When drawing a scale (2)

Scale points	10			ОК	
Direction :	• Horizonta	al C Verti	cal	Cancel	
Center line :	No	-			
Style :	[•		Apply	
Width :	1	•			-
Color :	255	-	Set	as <u>D</u> efault	
			Cle	ar Defa <u>u</u> lt	
					-



1) As the scale setting dialog box appears, make settings.

Scale points: Set the number of scale points.

Direction: Choose the scale direction. Center line: Specify whether a line is drawn in the

scale center or not.

- 2) Click the OK button.
- 3) Press the left mouse button at the starting point of drawing the scale.
- 4) Drag the cursor to the end point.
- 5) Release the left mouse button. The scale appears.

GOT900Series ۸ OK Cancel -Styl • Direc • • Aligna 255 Text Clear Default ent : 🕕 $\overline{\mathbf{v}}$ Solid : 224 Ŧ • × 1 ▼ (V × H) Size Interval . ÷ \downarrow 3) GOT900Series 4)

(3) When entering a text

2.2 Editing a Figure or Object

- Resizing a figure or object 11 mple enlarges a figure.

- 1) As the text/figure setting dialog box appears, enter a text.
- 2) Click the OK button.

- 3) A frame of display range appears at the upper-left of the screen.
 - Move the frame to the desired position.
- 4) Click the mouse button. The character string appears.
- 1) Select the figure to enlarge.
- 2) Press the left mouse button at the handle of the selected figure or object (
) in the direction to enlarge, then drag it.
- 3) Release the left mouse button. The figure or object is resized.
 - · Holding down the Shift key and changing the size resizes the figure at equal ratios.
 - Holding down the Ctrl key and changing the size resizes the figure relative to the center.
- (2) Copying a figure or object

The following example copies a figure.

- 1) Choose the figure to be copied.
- 2) Hold down the "Ctrl" button of the keyboard and drag the figure.
- 3) Release the left button of the mouse at the position you want to copy. This copies the figure.

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		· Ims					÷	•			
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			<i>∠)</i>		÷	3)	
	//////						

CHAPTER3 CREATING SCREENS

3.1 Creating a Screen like This

In this chapter, a screen as shown below is created.



3.2 Common Setting before Drawing

123 1 89

▪ 255 ▪ ■0 ▪ Text:

↓

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A97*GOT(640 × 480)

MELSEC-QnA,Q

MELSEC-QnA,Q MELSEC-A 255 🔹 🖪 Reo 🔹 📕

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οк

Cancel

3)

Describes the operations for common setting before drawing.

3.2.1 Selecting GOT/PLC type

GOT/PLC Typ

GOT type

PLC type

Describes the operations for selecting the type of the GOT and the PLC to use.

1) Starting GT Designer displays the project selection dialog box. Click New.

- 2) The dialog box appears.
 - 3) Click the list box and set the type of the GOT and the PLC. Here, set as follows: GOT type: A97*GOT(640 \times 480) PLC type: MELSEC-A
 - Click the OK button.
 The GOT/PLC types are set.

GC	T/PLC Ty	pe		x		4)
	OT type : LC type :	A97*GOT(640 × 48	0)	OK Cancel	⊷ 4)	
					•	

POINT

The GOT/PLC type setting dialog box is also displayed by choosing the [Common]-[GOT/PLC Type] menu.

3.2.2 Setting screen switching device

Common

<u>T</u>itle

<u>S</u>creen

↓

DO

0-EE

0-FF

0-FF

ified with the device

X: 0-FF

Y: 0-FF

X: 0-FF

Y: 0-FF

Device... 0-FF

Switching <u>S</u>creen... Switching Station <u>N</u>o...

Password...

Hardcony

Device...

Base screen : Switching

Window bar None

Switching : Device...

Display position

Display positi

Switching :

Display position

Superimpose window Switching : Dev

Г

Help

Data

🕫 BIN

C BCD

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×

ок

Cancel

- 3)

Describes the operations for setting the screen switching device for switching screens. Here, only the screen switching device of the base screen is set to "D999" because only the base screens are switched in the manual.

1) Click the [Common] – [Switching Screen] menu.

- 2) The dialog box appears.
- 3) Click the Device button on the base screen to set the screen switching device of the base screen.



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- 4) The dialog box appears.
- 5) Click the list box to set to "D".
- 6) Click button 9 three times.
- 7) After setting is completed, click the OK button.

(From the previous page)



available.

3.3 Creating the First Screen

Refer to Chapter 2 and create a screen as follows:



3.4 Setting Objects

Describes the operations for setting objects used in this chapter.

3.4.1 Setting numerical display function

Describes the operations for setting numerical display function.





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7) Set the attributes of the figure and numerical value.

Here, set as shown on the left.

- 8) Click the OK button.
- 9) A frame of display range appears at the upperleft of the screen. Move the frame to the desired position and click.

Change the size of the outer figure or the inner object frame with the handle (). (Refer to 2.2.)

- 10) Copy the numerical display function and double-click the copied numerical display function.
- 11) Change the device to "D13" and click the OK button.

12) This sets two numerical display functions.



🕫 16bit

C 32bit

ОК

Cancel

 $\mathsf{Extended} >\!\!\!>$

Fra

Plate

3.4.2 Setting numerical input function

Describes the operations for setting numerical input function.



₩ When touch input is detected, open key window at the same time

Key window typ

3.4.3 Setting lamp display function

Describes the operations for setting the lamp display function.



1) Click the List button on the template (parts display area).

\downarrow
Template X
Make Del. Attrib.
🕀 Parts Library
🛨 Panelkit
🕂 Parts
Close

2) The template (directory tree) is displayed.Click the + button of the parts library folder.

\downarrow					
Template	×				
Make Del. Attrib.					
🖃 Parts Library	_				
Lamp256 (1)					
-Lamp256 (2)					
-Lamp16 (1)					
Lamp16 (2)					
Lamp (2)					
-Switch256 (1)					
-Switch256 (2)	<u> </u>				
	Close				

(1).

3) As the library names appear, double-click Lamp







1

0-FF YO

C Free figure

High quality font

- 4) Parts in the library are displayed on the template (part display area).
- 5) Click a lamp on the template (part display area). (Here, use No. 1).

- 6) Move the cursor to the screen.A frame of display range appears.Move the frame to the desired position and click.
- 7) Double-click the pasted lamp.
- 8) The dialog box appears.

9)

· 10)

ОК

Cancel

Extended >>

- 9) Click the Device button and set the device. Device: Set to Y0.
- 10) After setting the device, click the Case (Bit) tab.



11) Click the Text button.

(To the following page)









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- 12) The dialog box appears.
 After setting each item, click the OK button.
 Position: Choose Bottom.
 Text: Type Y0.
 Horizontal alignment: Click the center button.
- 13) Click the Copy from ON button.
- 14) Set the attributes of the lamp. Here, designate as shown on the left.
- 15) Click the OK button.
- 16) The lamp set on the screen is updated.

17) Repeat steps 7) to 16) for the number of lamps to set. (Here, repeat 3 times.) Device: Set Y1 to Y3. Text: Type Y1 to Y3.

The lamp pasted in 7) must be copied and pasted to a new position. (Refer to 2.2.)



3.4.4 Setting touch key function

Template X Make Del. Attrib. -Lamp(1) ٠ -Lamp (2) -Switch256 (1) -Switch256 (2) -Switch16 (1) -Switch16 (2) Switch(1) Switch(2) Numerical Key(1) Close \downarrow Switch(1) x Attrib. Reg. Name Del. List 16SW_016 17SW_017 18SW_018 ↓ \downarrow

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Describes the operations for setting touch key function.

 Double-click Switch (1) on Template (directory tree) only.
 Refer to Section 3.4.3 for the way to display Template (directory tree).

- 2) Parts in the library are displayed on the template (part display area).
- 3) Click a lamp on the template (part display area). Here, use No.16.

- 4) Move the cursor to the screen.A frame of display range appears.Move the frame to the desired position and click.
- 5) Double-click the pasted touch key.

3 CREATING SCREENS





- 6) As the dialog box appears, make the following settings.Display trigger: Choose Bit.Device: Set to M70.
- 7) Click the [Case] tab.

Fouch Kev × Basic Case Action ON OFF Shape... Shape... ок Cancel 146 146 • Frame • Frame $E \times tended >>$ Switch 28 -Switch 28 -Apply 4 Pattern : • Pattern -Background : • Backgr : 🔳 0 • 255 • 255 Color Color : -1 •× 1 • $V \times H$: 1 •× 1 • VXH: Comment Edit... Text C Direct Copy from ON OFF Text_ ON Text... vitch text) Indirect (Use mment 0-FF Device... 0-FF Г ON: OFF : 0 Fixed ÷ Preview No Γ ÷ Browse

 \downarrow

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(To the following page)

8) Click the ON Text button.

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- 9) The dialog box appears.
 After setting each item, click the OK button.
 Position: Choose Bottom.
 Text: Type M70.
 Horizontal alignment: Click the center button.
- 10) Click the Copy from ON button.
- 11) Set the attributes of the touch key and text. Here, designate as shown on the left.
- 12) Click the [Action] tab.

3 CREATING SCREENS



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3 CREATING SCREENS



17) Click the OK button.

18) The touch key set on the screen is updated.



M70

19) Repeat steps 5) to 18) for the number of touch keys to set. (Here, repeat 3 times.) Device: Set M71 to M73. Text: Type M71 to M73.

The key pasted before step 5) must be copied and pasted to a new position. (Refer to 2.2.)

 POINT

 With the [Edit]-[Continuous Copy] menu, a figure can be copied continuously.

CHAPTER4 CREATING THE SECOND SCREEN

4.1 Creating a Screen like This

In this chapter, the following screen is created as the second screen of the screen created in Chapter 3 (the first screen).

The switching button to the second screen is added to the first screen.

 Adding the screen switching button to the first screen The screen switching button to the second screen must be set on the first screen. Set a touch key at the lower right corner of the first screen.





4.2 Creating the Second Screen

Describes the operations for creating the second screen.



4.3 Creating Comments

Describes the operations for creating comments that are used in the alarm list function. Register comments as follows:

Comment No.	Device	Comment
1	Y0	A-line supply conveyer stopped. Check the power source.
2	Y1	Emergency stop limit switch operated. Check the product.
3	Y2	Product limit switch does not operate. Check for presence/absence of the product.
4	Y3	Hydraulic pressure of finishing machine 1 is low. Supply hydraulic oil.





1) Click the [Draw]-[Comment] menu.

- 2) As the dialog box appears, type a comment from the keyboard.
- 3) After comment creation, click the Enter button to register the No. 1 comment.



5) After setting is completed, click the OK button. The dialog box disappears.



4.4 Setting Objects

Describes the operation for setting the objects used in this chapter.

4.4.1 Setting touch key function for screen switching

Describes the operations for setting the touch key function for screen switching.



- 1) Paste to the screen the No. 15 key of Switch (1) registered on Template.
- 2) Double-click the pasted key.



3) The dialog box appears. Click the [Case] tab.



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4) Click the ON Text button.

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4.4.2 Setting level display function

Describes the operations for setting the level display function.



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- 8) A frame of display range appears at the upper-left of the screen. Move the frame to the desired position, then click.
- 9) Change the key size with the handle (■).(Refer to 2.2.)

- 11) Copy the level display function and set the device of the second level display function to "D13".
- 12) This sets two level display functions.


4.4.3 Setting panelmeter display function

Describes the operations for setting the panelmeter display function.





4 - 9



4.4.4 Setting alarm list display function

Describes the operations for setting the alarm list display function.



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14) Change the size with the handle (■). (Refer to 2.2.)

4.5 Saving Created Screen Data

Describes the operations for saving created screen data. Here, the data is saved on a personal computer's hard disk (drive C) as an example.



4.6 Reading Saved Screen Data

Describes the operations for reading the saved data. Here,the data saved in 4.5 (the data saved in drive C) is read as an example.

· · · · · · · · · · · · · · · · · · ·	
Image: Second state of the second s	1) Click the [Project] — [Open] menu.
Open ? × Look in: My Computer 3½ Floppy My Computer 3½ Floppy 3½ Floppy (C:) 3½ Floppy (A:) (C:) File name: a3gotp.got Files of type: PROJECT	2) The dialog box appears. Click "(C:)".
Open ? × Look in: ? × Image:	3) Double-click "Got" and display the contents of the folder.
Copen Look in: Got asgoop.got Cook in: A A A A A A A A A A A A A A A A A A A	 4) Check that "Got" is displayed here. 5) Check that "a9gotp.got" is in the folder. Click the Open button to read the screen data.
File name: a3gotp.got Image: got 5 Files of type: PROJECT Image: got Cancel	5)

CHAPTER5 STARTING GOT FOR CHECKING

5.1 Connecting the Personal Computer and GOT

Connect the personal computer and the GOT with an RS-232C cable. For further details, refer to GT Works Version5/GT Designer Version5 Reference Manual.



5.2 Installing the OS

Describes the operations for installing the OS program and the communication driver on the GOT before monitoring.

This chapter describes a specific installation example.

POINT

The GOT does not have the OS program for monitoring or the communication driver. Therefore, these programs must be installed on the GOT before monitoring. Once the programs are installed, you do not need to install again unless the version of OS or the communication method changes.



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1) Click the [Communication] - [Install] - [OS] menu.



OS will be installed after stopping monitoring.

<u>N</u>o

- 2) The dialog box appears. Designate each item. Target: GOT Standard monitor OS: Check the checkbox and select "English". Communication driver: Click the list box, then select "Bus [Ver 8.0.0]. *[Ver *.*.*] may be different.
- 3) Click the Install button.
- 4) Click the Yes button. Installation of the OS is executed.

5.3 Downloading Screen Data

GT Designe

?

Are you sure'

Yes

Describes the operations for downloading the screen data created in Chapter 4 to the GOT.

<u>Communication</u> Comm	on <u>S</u> creen	<u>H</u> elp
<u>D</u> ownload(to GOT) ▶	<u>M</u> onitor Da	ata
Upload (from GOT)	Special Fu	unction Data
Install 🕨 🕨	Dev ID	∣∎∘ _∣Ľ
	\downarrow	
Monitor Data Download		×
Setting Base Window Report O	thers	1
Farget	C: 🔻	Download
Object		Close
	\downarrow	
Download		
Data will be downloa Are you sure?	d after stopping m	onitoring.

Please be aware of the following precaution for GOT-A900 Series.

In order to use a text registered in the comment registration as touch swich comment. SW1D5C-G0TRE-PACK Ver.40E or later of standard monitor 0S has to be installed. Use of a version before Ver.40E of standad monitor 0S may

cause abnomal operations. In order to use a ScatterChart. SW4D5C-GOTRE-PACK Ver.00A

Cancel

or later of standard monitor OS has to be installed.

ÖK

-

•

- Click the [Communication] [Download (to GOT)] - [Monitor Data] menu.
- 2) The dialog box appears. Click the Download button.
- Click the OK button.
 Downloading of the screen data is executed.

5.4 Connecting to PLC CPU

Here, the bus connection is used to connect the GOT and the PLC CPU. For details of the bus connection board and the bus connection cable, refer to GOT-A900 Series User's Manual (GT Works Version5/GT Designer Version5 compatible Connection System Manual).



5.5 Executing Monitoring



The first screen appears.

5.6 Upload

Mon

When you want to make correction to the screen data installed into the GOT, use GT Designer and read the screen data from the GOT to the personal computer. The read screen data can be re-edited and then re-transferred (downloaded) to the GOT.

This section describes the operation to upload data from the GOT to the personal computer.

	<u>C</u> ommunication	Commor
ą	<u>D</u> ownload(to GO	T) 🕨
	<u>U</u> pload(from GO	D
	Install	•
<u>, s</u>	<u>M</u> emory	P
=	Data <u>C</u> heck	=
_	Op <u>t</u> ion	
	\downarrow	
Monitor Data		×
Setting Bas	e Window Report Others	
Upload destir	nation path :	
C:\WINDOV	VS\Desktop\Got	rowse)
Cobject-		Close
All data	a C Select data Read title	

↓
GT Designer X
Data will be upload after stopping monitoring. Are you sure?
<u>Yes</u> <u>N</u> o

1) Click the [Communication] - [Upload (from GOT)] menu.

- 2) As the dialog box appears, specify "Upload destination path:" (drive or folder) and click the Upload button.
- 3) Click the Yes button. Uploading of the screen data is executed.

5.7 Sequence Program Used in the Manual



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WARRANTY

Please confirm the following product warranty details before starting use.

1. Gratis Warranty Term and Gratis Warranty Range

If any faults or defects (hereinafter "Failure") found to be the responsibility of Mitsubishi occurs during use of the product within the gratis warranty term, the product shall be repaired at no cost via the dealer or Mitsubishi Service Company. Note that if repairs are required at a site overseas, on a detached island or remote place, expenses to dispatch an engineer shall be charged for.

[Gratis Warranty Term]

The gratis warranty term of the product shall be for one year after the date of purchase or delivery to a designated place.

Note that after manufacture and shipment from Mitsubishi, the maximum distribution period shall be six (6) months, and the longest gratis warranty term after manufacturing shall be eighteen (18) months. The gratis warranty term of repair parts shall not exceed the gratis warranty term before repairs.

[Gratis Warranty Range]

- (1) The range shall be limited to normal use within the usage state, usage methods and usage environment, etc., which follow the conditions and precautions, etc., given in the instruction manual, user's manual and caution labels on the product.
- (2) Even within the gratis warranty term, repairs shall be charged for in the following cases.
 - 1. Failure occurring from inappropriate storage or handling, carelessness or negligence by the user. Failure caused by the user's hardware or software design.
 - 2. Failure caused by unapproved modifications, etc., to the product by the user.
 - 3. When the Mitsubishi product is assembled into a user's device, Failure that could have been avoided if functions or structures, judged as necessary in the legal safety measures the user's device is subject to or as necessary by industry standards, had been provided.
 - 4. Failure that could have been avoided if consumable parts (battery, backlight, fuse, etc.) designated in the instruction manual had been correctly serviced or replaced.
 - 5. Failure caused by external irresistible forces such as fires or abnormal voltages, and Failure caused by force majeure such as earthquakes, lightning, wind and water damage.
 - 6. Failure caused by reasons unpredictable by scientific technology standards at time of shipment from Mitsubishi.
 - 7. Any other failure found not to be the responsibility of Mitsubishi or the user.

2. Onerous repair term after discontinuation of production

- (1) Mitsubishi shall accept onerous product repairs for seven (7) years after production of the product is discontinued. Discontinuation of production shall be notified with Mitsubishi Technical Bulletins, etc.
- (2) Product supply (including repair parts) is not possible after production is discontinued.

3. Overseas service

Overseas, repairs shall be accepted by Mitsubishi's local overseas FA Center. Note that the repair conditions at each FA Center may differ.

4. Exclusion of chance loss and secondary loss from warranty liability

Regardless of the gratis warranty term, Mitsubishi shall not be liable for compensation to damages caused by any cause found not to be the responsibility of Mitsubishi, chance losses, lost profits incurred to the user by Failures of Mitsubishi products, damages and secondary damages caused from special reasons regardless of Mitsubishi's expectations, compensation for accidents, and compensation for damages to products other than Mitsubishi products and other duties.

5. Changes in product specifications

The specifications given in the catalogs, manuals or technical documents are subject to change without prior notice.

6. Product application

- (1) In using the Mitsubishi MELSEC programmable logic controller, the usage conditions shall be that the application will not lead to a major accident even if any problem or fault should occur in the programmable logic controller device, and that backup and fail-safe functions are systematically provided outside of the device for any problem or fault.
- (2) The Mitsubishi general-purpose programmable logic controller has been designed and manufactured for applications in general industries, etc. Thus, applications in which the public could be affected such as in nuclear power plants and other power plants operated by respective power companies, and applications in which a special quality assurance system is required, such as for Railway companies or National Defense purposes shall be excluded from the programmable logic controller applications.

Note that even with these applications, if the user approves that the application is to be limited and a special quality is not required, application shall be possible.

When considering use in aircraft, medical applications, railways, incineration and fuel devices, manned transport devices, equipment for recreation and amusement, and safety devices, in which human life or assets could be greatly affected and for which a particularly high reliability is required in terms of safety and control system, please consult with Mitsubishi and discuss the required specifications.

GOT900 Series

Operating Manual (Introductory Manual)

MODEL GOT900-O(NYU)-E

1DM141

MODEL CODE

SH(NA)-080116-B(0406)MEE

MITSUBISHI ELECTRIC CORPORATION

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