Changes for the Better

MITSUBISHI ELECTRIC

GRAPHIC OPERATION TERMINAL

GOT-F900

Renewal Guide

GRAPHIC OPERATION TERMINAL | GOT1000 |

Mitsubishi Electric Corporation Himeji Works is a factory certified for ISO14001 (standards for environmental management systems) and ISO9001(standards for quality assurance management systems)

ISO 14001 JACO EC97J1234 UKAS MANAGEMENT SYSTEMS 051

ISO 9001 BUREAU VERITAS Certification UKAS QUALITY MANAGEMENT 008

Empowering Industries

The results of 25 years of support from our loyal customers.

In 1984 the FX-DU series was launched which then led to the GOT-F900 series of Human Machine Interface products. For 25 years we have enjoyed the support of customers for our pioneering small and super small displays. The period for repair has ended for the FX-DU series and will end within 10 years for the GOT-F900 series. This limitation is necessary due to the difficulty in acquiring certain parts and the increasingly rigorous environmental standards our products have to comply with. Please use this document as a guide to help you to renew your products with GOT1000 series HMIs.

For certain parts and products preventative maintenance can avert a breakdown. Have you started your preventative maintenance yet?

Renewal circumstances

Parts have a limited lifespan

Our goal is and always has been to create products with the highest quality possible. However, GOTs are made up of many electronic components, and while some parts may function virtually forever without breaking, other parts (capacitors, batteries, backlights, liquid crystal display, touch panel) have finite lifetimes. Although the rest of the GOT may be perfectly capable of functioning, if one part cannot perform its functionality anymore the whole GOT may be affected.

If a problem occurs it is already too late

Environmental factors play a major role in the rate of deterioration of certain parts. In harsh environments outside of the normal use range replacement of products may be required sooner. The cost and effort required for preemptive replacement is nothing when compared to unexpected stoppages in production. It is important to consider many factors when planning to replace products. In the case of environmental factors affecting the lifespan, periodic replacement of products is necessary.

Renewal Merits

- Quick exchange of the HMI without any manipulation of the PLC
- Color display, 16-shade monochrome, or 3-color backlight, many options for required visibility
- The current generation of HMIs comply with the latest environmental standards
- Reduced power consumption lowers the energy requirements of the system
- GOT1000 series products have advanced performance allowing for room for growth

Steps for renewal

1 Investigation

The first step is to investigate if renewal is necessary or not. Starting with a table of a basic summary of the number of units and functions required. Any remaining drawings, programs, and wiring diagrams help to facilitate this stage.

2 Diagnosis

A diagnosis is made based on the length of service and the environmental operating conditions. Priority is given to cases with long term use and adverse environments within the exchange timeline.

3 Select Equipment

A replacement model is chosen with consideration given to functional and spatial requirements.

4 Convert Data

The original program must be in a compatible format for current units. Perform all necessary conversion and other changes.

5 Replacement

The unit replacement is arranged and the new unit is exchanged with the older one.

6 Debug

After exchange confirm that the new unit is operating correctly with no errors or loss of functionality.

GOT1000 series General Merits

Extensive driver library for support of numerous PLCs and other equipment from a variety of manufacturers

The GT1030 and GT1020 have a 5V power supply type, allowing for power to be delivered via the communications cable with no other power supply required.

Modbus RTU compatibility gives the GOT1000 series access to a wide range of different Modbus devices

Multiple Mitsubishi inverters and AC servo amplifiers can be directly connected to a GOT1000 HMI

The entire lineup of GOT1000 series products are programmed using a common software package : GT Works3

Expanding portfolio of communication options with USB, Ethernet, and CC-Link available on some models

Production termination and replacement products

Since the amount of available internal devices increases in newer PLCs and the devices are configured in a different way, the renewal method for each model is different. Please use this guide to assist in making a decision for upgrading your PLC.

GOT-F900

Repair Period **Ended March, 2011**

Repair Period **Ends March, 2018**

F900 series production termination plan summary

(Entire worldwide product line)

For information on the F900 series end of production, consult Tech News -0048.

F920 / F930 Keypad GOT

F930 GOT

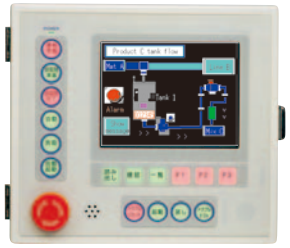
F940 / F940 Wide Screen GOT

F920 Handy GOT

The F920 does not have a direct replacement model. Select a product that best fits the application.

F940 / A950 Handy GOT

ET940 (Electronic operation terminal)



The ET940 does not have a direct replacement model. Select a product that best fits the application.

FX-DU

Repair Period **Ended**

FX-DU series production termination plan summary

For information on the FX-DU series end of production, consult Tech News -0057.

25DU

30DU

40DU

50DU

Replace with GRAPHIC OPERATION TERMINAL GOT1000

GOT1000 series replacement products summary

Refer to the Replacement Guidance Manual [JY997D393011] for more information about GOT1000 substitution.

GT10

4.5-inch GT1030

4.7-inch GT1040, GT1045

5.7-inch GT1050,GT1055

GT11

5.7-inch GT1155

Handy GOT

5.7-inch GT1150HS
GT1155HS

GT12

8.4-inch GT1265

Replace with GRAPHIC OPERATION TERMINAL GOT1000

GOT1000 series replacement products summary

GT10

4.5-inch GT1030

5.7-inch GT1050, GT1055

Renewal method for each model

Since the screen sizes are different in older models and GOT1000 HMIs the method for renewal is different depending on the model. This is a summary of the methods to update products with currently available tools.

Currently used products

F940GOT

Repair Period **Ended March, 2011**

F930GOT

Repair Period **Ends March, 2018**

Program read-out

MELSOFT GT Works3

Refer to P.17 for details on GT Works3

Replacement Products

GT105□, GT115□, GT1265

GT10, GT11, GT12

Renewal method **P8,9**

GT1030, GT1040

GT10

Renewal method **P10,11**

F920GOT

F940/A950 Handy GOT

FX-DU

Repair Period
Ended

The GT Works3
software suite includes all necessary software for renewal

F900 series screen design software:

GT Designer 2 Classic

F900 -> GOT1000 conversion software and GOT1000 series screen design software

GT Designer 3

For the FX-DU series, two software applications are necessary.

FX-DU screen design software

FX-PCS-DU / WIN

Software for the F900 -> GOT1000 conversion for FX-PCS-DU/WIN DUP files

GT Works3

GT1030

GT10

Renewal method
P12

GT11 Handy

GT11

Renewal method
P13

GT1030, GT105□

GT10

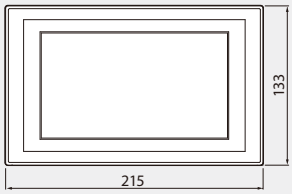
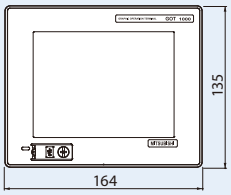
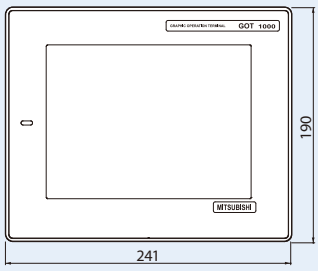
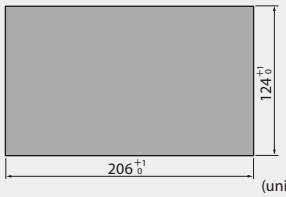
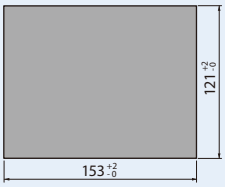
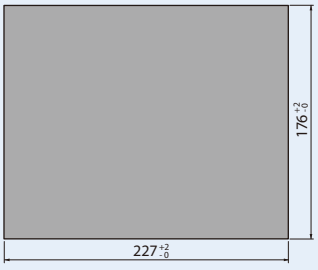
Renewal method
P14,15

Renewal method for each model

F940W substitution recommendation

The recommendation for replacing a F940W GOT with a GOT1000 series is to use either a GT1155-QSBD or GT1265-VNBA depending on the functionality required. These models offer the most comparable functionality. Other models can be used so confirm the required specifications and functionality before selecting a replacement model.

F940W compared with recommended replacement models

		GOT-F900 series	Recommended replacement models	
		F940WGOT-TWD	GT1155-QTBD	GT1265-VNBA
External dimensions			GT11 : Fabrication of an adapter plate is necessary to fit the original cutout 	
Panel cutout		 (units: mm)	The GT15-50ATT-95W attachment is available 	 (units: mm)
Display		480 x 234 dots TFT 256 colors	320 x 240 dots TFT 256 colors	640 x 480 dots TFT 256 colors
Communication ports		RS-232 D-SUB 9pin male RS-232 D-SUB 9pin male RS-422 D-SUB 9pin female	USB MINI-B female RS-232 D-SUB 9pin male RS-422 / 485 D-SUB 9pin female	USB MINI-B female RS-232 D-SUB 9pin male RS-422 / 485 D-SUB 9 pin female
Cables*	Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐ RS-232 Q series connection QC30R2	RS-422 FX series connection GT01-C10R4-8P RS-232 Q series connection GT01-C30R2-6P	
	PC Connection	RS-232 FX-232CAB-1 (see P.16)	USB GT09-C30USB-5P (see P.16)	
Power supply		24 VDC / 650mA	24 VDC / 410mA	100 to 240 VAC

*: It may be physically possible to connect other cables between the PC and equipment. Make sure to confirm the cable used. For the minimum required depth spacing required by cables, refer to relevant product manuals.

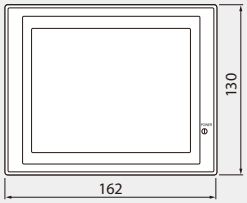
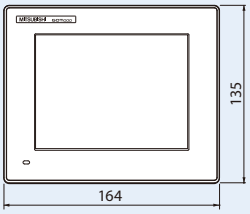
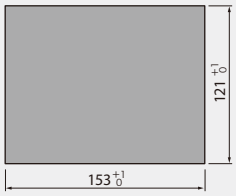
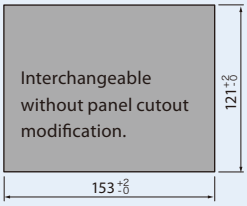
Conversion of project data is necessary

When a F900 series GOT is replaced with a GOT1000 series it is necessary to convert the project data to into a GOT1000 series project. With GT Works3 installed conversion is simple, but if the screen sizes are different or key windows are needed, then the screen data must be modified. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

F940 substitution recommendation

The recommendation for replacing a F940 GOT with a GOT1000 series is to use either a GT1050 or GT1055. These models offer the most comparable functionality. Other models can be used so confirm the required specifications and functionality before selecting a replacement model.

F940 compared with recommended replacement model

		GOT-F900 series		Recommended replacement model
		F940GOT-☐WD	F943GOT-☐WD	GT105☐-Q☐BD
External dimensions				
Panel cutout		 (units: mm)		 (units: mm)
Display		320 x 240 dots 2 color monochrome 8 color type		320 x 240 dots 16 shade monochrome 256 colors
Communication ports		RS-232 D-SUB 9pin male RS-422 D-SUB 9pin female	RS-232 D-SUB 9pin male RS-232 D-SUB 9pin female	USB MINI-B female RS-232 D-SUB 9pin male RS-422 / 485 D-SUB 9pin female
Cables*	Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐	RS-232 Q series connection QC30R2	RS-422 FX series connection GT01-C10R4-8P RS-232 Q series connection GT01-C30R2-6P
	PC Connection	RS-232 FX-232CAB-1(See P.16)		USB GT09-C30USB-5P(See P.16)
Power supply		F94☐GOT-LWD(monochrome) : 24 VDC / 390mA F94☐GOT-SWD(color) : 24 VDC / 410mA		GT1050-QLBD(monochrome) : 24 VDC / 390mA GT1055-QSBD(color) : 24 VDC / 410mA

* : It may be physically possible to connect other cables between the PC and equipment. Make sure to confirm the cable used.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

Conversion of project data is necessary

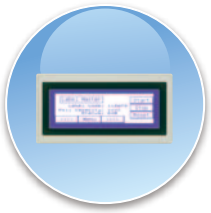
When a F900 series GOT is replaced with a GOT1000 series it is necessary to convert the project data to into a GOT1000 series project. With GT Works3 installed conversion is simple, but if the screen sizes are different or key windows are needed, then the screen data must be modified. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

Refer to the Replacement Guidance Manual [JY997D393011] for more information about GOT1000 substitution.

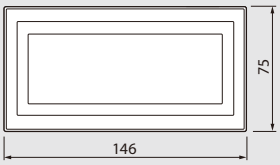
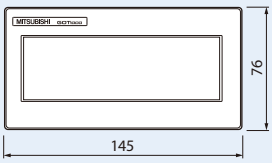
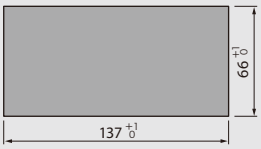
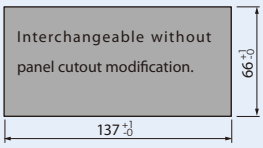
Renewal method for each model

F930T substitution recommendation

The recommendation for replacing a F930T GOT with a GOT1000 series is to use a GT1030. These models offer the most comparable functionality. Other models can be used so confirm the required specifications and functionality before selecting a replacement model.



F930 compared with recommended replacement models

		GOT-F900 series		Recommended replacement models	
		F930GOT-BWD	F933GOT-BWD	GT1030-LBDW	GT1030-LBDW2
External dimensions					
Panel cutout		 (units: mm)		 (units: mm)	
Display		240 x 80 dots 2 color monochrome STN		288 x 96 dots 2 color monochrome STN with 3 backlight colors	
Communication ports		RS-232 D-SUB 9pin male RS-422 D-SUB 9pin female	RS-232 D-SUB 9pin male RS-232 D-SUB 9pin female	RS-232 MINI-DIN 6pin female RS-422 / 485 connector wiring	RS-232 MINI-DIN 6pin female RS-232 connector wiring
Cables*	Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐	RS-232 Q series connection QC30R2	RS-422 FX series connection GT10-C☐R4-8P(C)	RS-232 Q series connection GT10-C30R2-6P
	PC Connection	RS-232 FX-232CAB-1 (See P.16)		RS-232 GT01-C30R2-6P (See P.16)	
Power supply		24 VDC / 200mA		24 VDC / 90mA For FX PLCs, 5V power supply type GT1030 are powered through the communications port	

*: Since the connectors for the PC connection cables are different, purchase a GOT1000 cable separately.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

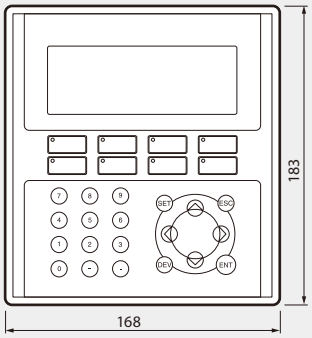
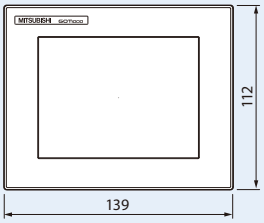
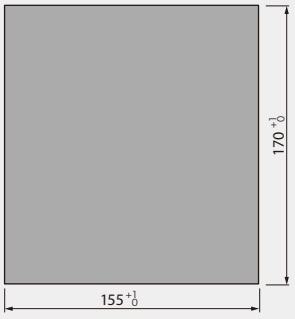
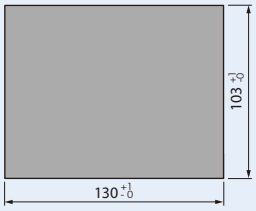
Conversion of project data is necessary

When a F900 series GOT is replaced with a GOT1000 series it is necessary to convert the project data to into a GOT1000 series project. With GT Works3 installed conversion is simple, but if the screen sizes are different or key windows are needed, then the screen data must be modified. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

F930 with keypad substitution recommendation

The recommendation for replacing a F930 GOT with keypad with a GOT1000 series is to use a GT1040. This model offers the most comparable functionality. Other models can be used so confirm the required specifications and functionality before selecting a replacement model.

F930 keypad type compared with recommended replacement model

	GOT-F900 series F930GOT-BBD-K (keypad type)	Recommended replacement model GT1040-QLBD
External dimensions		The GT1040 is recommended since it has a large display area that can be used to substitute for a keypad. 
Panel cutout	 (units: mm)	Fabrication of an adapter plate is necessary to fit the original cutout. The GOT can also be placed in a vertical orientation.  (units: mm)
Display	240 x 80 dots 2 color monochrome STN	320 x 240 dots 16 shade monochrome STN
Communication ports	RS-232 D-SUB 9pin male RS-422 D-SUB 9pin female	USB MINI-B female RS-232 D-SUB 9pin male RS-422 / 485 D-SUB 9pin female
Cables* Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐ RS-232 Q series connection QC30R2	RS-422 FX series connection GT01-C10R4-8P RS-232 Q series connection GT01-C30R2-6P
Cables* PC Connection	RS-232 FX-232CAB-1 (See P.16)	USB GT09-C30USB-5P (See P.16)
Power supply	24 VDC / 220mA	24 VDC / 150mA

*: It may be physically possible to connect other cables between the PC and equipment. Make sure to confirm the cable used.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

Conversion of project data is necessary

When a F900 series GOT is replaced with a GOT1000 series it is necessary to convert the project data to into a GOT1000 series project. With GT Works3 installed conversion is simple, but if the screen sizes are different or key windows are needed, then the screen data must be modified. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

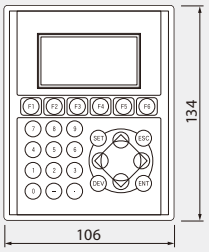
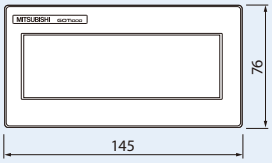
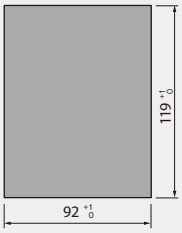
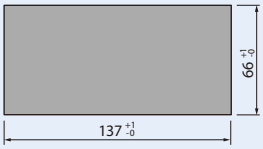
Refer to the Replacement Guidance Manual [JY997D393011] for more information about GOT1000 substitution.

Renewal method for each model

F920 substitution recommendation

The recommendation for replacing a F920 GOT with a GOT1000 series is to use a GT1030. This model offers the most comparable functionality. Other models can be used so confirm the required specifications and functionality before selecting a replacement model.

F920 type compared with recommended replacement models

	GOT-F900 series	Recommended replacement models	
	F920GOT-BBD-(5)K (keypad type)	GT1030-LB☐W	GT1030-LBDW2
External dimensions		The GT1030 is recommended since it has a large display area that can be used to substitute for a keypad. 	
Panel cutout	 (units: mm)	Fabrication of an adapter plate is necessary to fit the original cutout  (units: mm)	
Display	128 x 64 dots 2 color monochrome STN	288 x 96 dots 2 color monochrome STN with 3 backlight colors	
Communication ports	RS-232 D-SUB 9pin male RS-422 D-SUB 9pin female	RS-232 MINI-DIN 6pin female RS-422 / 485 connector wiring	RS-232 MINI-DIN 6pin female RS-232 connector wiring
Cables* Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐ RS-232 Q series connection QC30R2	RS-422 FX series connection GT10-C☐R4-8P(C)	RS-232 Q series connection GT10-C30R2-6P
Cables* PC Connection	RS-232 FX-232CAB-1 (See P.16)	RS-232 GT01-C30R2-6P (See P.16)	
Power supply	F920GOT-BBD-K : 24 VDC / 80mA F920GOT-BBD-5K (FX/A/QnA/Q CPU 5 VDC direct connection type)	GT1030-LBDW (2) : 24 VDC / 90mA GT1030-LBLW (FX 5 VDC direct connection type)	

*: Since the connectors for the PC connection cables are different, purchase a GOT1000 cable separately.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

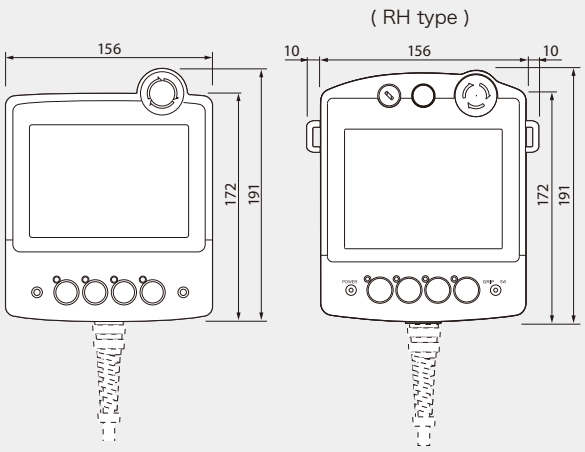
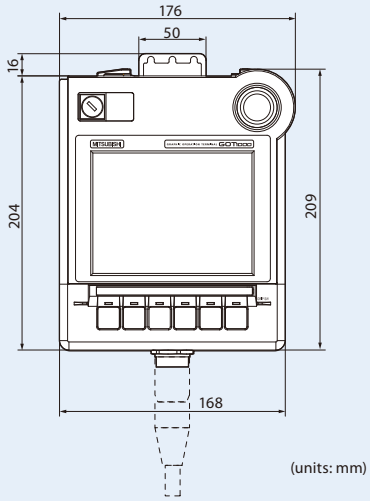
Conversion of project data is necessary

When a F900 series GOT is replaced with a GOT1000 series it is necessary to convert the project data to into a GOT1000 series project. With GT Works3 installed conversion is simple, but if the screen sizes are different or key windows are needed, then the screen data must be modified. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

Handy GOT series substitution recommendation

The recommendation for replacing a F940 or A950 handy GOT with a GOT1000 series handy GOT is to use a GT115XHS-QXBD. This model offers the most comparable functionality. Before selecting a replacement model confirm the required specifications and functions.

F940 (RH) Handy GOT compared with recommended replacement model

		GOT-F900,GOT-A900 Handy series		Recommended replacement model
		F940GOT-☐BD-☐H A950GOT-☐BD-M3-H	F943GOT-☐BD-☐H A953GOT-☐BD-M3-H	GT115☐HS-Q☐BD
External dimensions				
Display		320 x 240 dots 2 color monochrome or 8 color type		320 x 240 dots 16 shade monochrome or 256 color type
Communication ports		RS-232 D-SUB 9pin male (for PC) RS-422 type	RS-232 D-SUB 9pin male (for PC) RS-232 type	USB MINI-B female RS-232 MINI- DIN 6pin female (for PC) connector can be changed internally to RS-232 or RS-422
Cables*	Mitsubishi PLC connection	External connection cable F9GT-(R)HCAB-☐M FX series connection cable F9GT-(R)HCAB2-150	External connection cable F9GT-(R)HCAB-3M Q series connection cable F9GT-(R)HCAB5-150	External connection cable GT11H-C☐-37P FX series connection cable GT11H-C15R4-8P Q series connection cable GT11H-C15R2-6P
	PC Connection	RS-232 FX-232CAB-1 (See P.16)		USB GT09-C30USB-5P (See P.16)
Power supply		F94☐HandyGOT : 24 VDC / 300mA A95☐HandyGOT : 24 VDC / 400mA		GT1150HS-QLBD : 24 VDC / 390mA GT1155HS-QSBD : 24 VDC / 410mA

*: Since the connectors for the PC connection cables are different, purchase a GOT1000 cable separately.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

Conversion of project data is necessary

When a F900 series GOT is replaced with a GOT1000 series it is necessary to convert the project data to into a GOT1000 series project. With GT Works3 installed conversion is simple, but if the screen sizes are different or key windows are needed, then the screen data must be modified. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

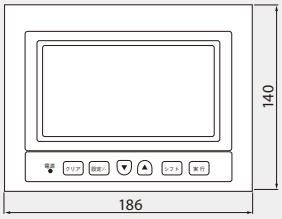
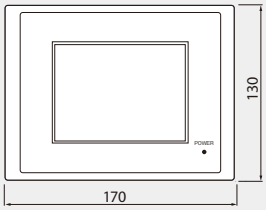
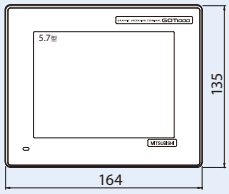
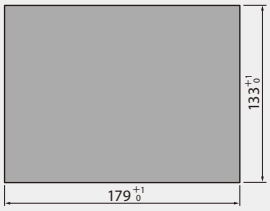
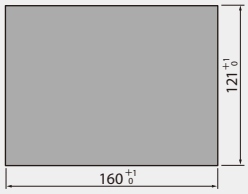
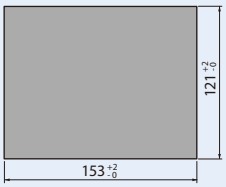
Refer to the Replacement Guidance Manual [JY997D393011] for more information about GOT1000 substitution.

Renewal method for each model

FX-40DU and FX-50DU substitution recommendation

The recommendation for replacing a FX-40DU or FX-50DU with a GOT1000 series is to use a GT1050 or GT1055. These models offer the most comparable functionality. Other models can be used so before selecting a replacement model confirm the required specifications and functions.

FX-40DU and FX-50DU compared with recommended replacement model

	FX-DU series		Recommended replacement model
	FX-40DU(-B,-TK(B))	FX-50DU-TK(S)	GT105☐
External dimensions			
Panel cutout			Fabrication of an adapter plate is necessary to fit the original cutout 
	(units: mm)		(units: mm)
Display	240 x 128 dots 2 color monochrome STN	320 x 240 dots 2 color monochrome STN Color STN	320 x 240 dots 16 shade monochrome or 256 color type
Communication ports	RS-232 D-SUB 25pin male RS-422 D-SUB 9pin male		USB MINI-B female RS-232 D-SUB 9pin male RS-422 / 485 D-SUB 9pin female
Cables* Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐M		RS-422 FX series connection GT01-C10R4-8P RS-232C Q series connection GT01-C30R2-6P
Cables* PC Connection	RS-232 F2-232 CAB-1 (See P.16)		USB GT09-C30USB-5P (See P.16)
Power supply	24 DCV /220mA	DU-50TK : 24 DCV / 220mA DU-50TKS : 24 DCV / 250mA	GT1050-QLBD(monochrome) : 24 VDC / 390mA GT1055-QSBD(Color) : 24 VDC / 410mA

* : Since the connectors for the PC connection cables are different, purchase a GOT1000 cable separately.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

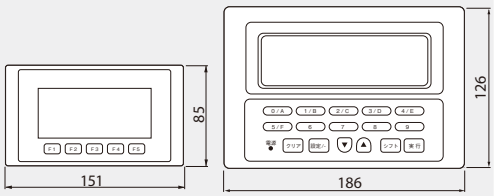
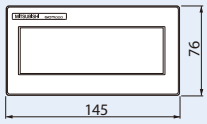
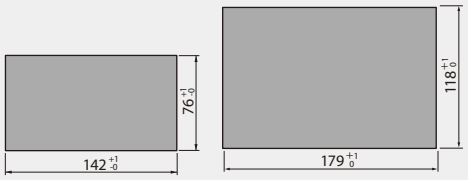
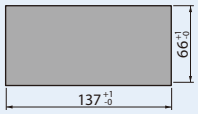
Conversion of project data is necessary

When a FX-DU series is replaced with a GOT1000 series it is necessary to convert the project data first into a F900 project and then into a GOT1000 project. Using FX-PCS-DU/WIN and GT Works3 project data can be converted easily, but depending on the screen functions used and connected equipment, modification of the converted project may be necessary. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

FX-25DU and FX-30DU substitution recommendation

The recommendation for replacing FX-25DU or a FX-30DU with a GOT1000 series is to use a GT1030. This model offers the most comparable functionality. Other models can be used so before selecting a replacement model confirm the required specifications and functions.

FX-25DU and FX-30DU compared with recommended replacement models

	FX-DU series		Recommended replacement models	
	FX-25DU(-P)	FX-30DU-B	GT1030-LBD	GT1030-LBDW
External dimensions				
Panel cutout	 (units: mm)		Fabrication of an adapter plate is necessary to fit the original cutout 	
Display	160 x 64 dots 2 color monochrome STN	240 x 64 dots 2 color monochrome STN	288 x 96 dots 2 color monochrome STN with 3 color backlight (units: mm)	
Communication ports	RS-232 D-SUB 25pin male RS-422 D-SUB 9pin male		RS-232 MINI-DIN 6pin female RS-422 / 485 connector wiring	
Cables* Mitsubishi PLC connection	RS-422 FX series connection FX-50DU-CAB0-☐M		RS-422 FX series connection GT10-C☐R4-8P(C)	
Cables* PC Connection	RS- 232 F2-232CAB-1 (See P.16)		RS-232 GT01-C30R2-6P (See P.16)	
Power supply	24 DCV / 170mA	24 DCV / 200mA	24 DCV / 90mA (For FX PLCs, 5V power supply type GT1030 are powered through the communications port)	

* : Since the connectors for the PC connection cables are different, purchase a GOT1000 cable separately.
For the minimum required depth spacing required by cables, refer to relevant product manuals.

Conversion of project data is necessary

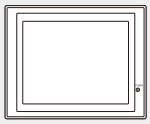
When a FX-DU series is replaced with a GOT1000 series it is necessary to convert the project data first into a F900 project and then into a GOT1000 project. Using FX-PCS-DU/WIN and GT Works3 project data can be converted easily, but depending on the screen functions used and connected equipment, modification of the converted project may be necessary. Please refer to page 16 and 17 to see the requirements for connection to a PC and the necessary software.

Refer to the Replacement Guidance Manual [JY997D393011] for more information about GOT1000 substitution.

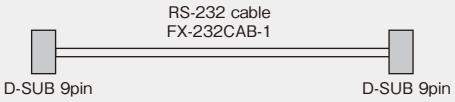
PC connection

Connection cables for each model and the personal computer is necessary to replace the project data from an old model with the GOT1000 series. Please prepare necessary communications cables.

F900 series connection method



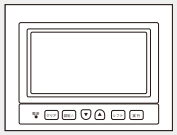
(F940GOT)



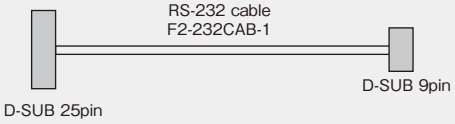
PC screen design software

- FX-PCS-DU/WIN (SW0PC-FXDU/WIN-E)
- GT Designer2
- GT Works3 (GT Designer2 Classic)
- Data transfer tool (upload, download)

FX-DU series connection method



(FX-40DU-TK)



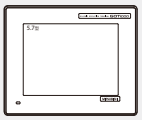
PC screen design software

- FX-PCS-DU/WIN (SW0PC-FXDU/WIN-E)

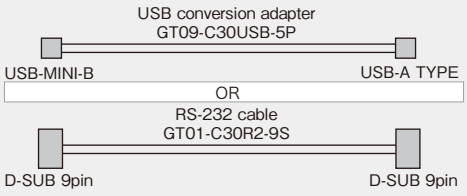
Conversion of project data

GOT1000 series connection method

GT1265,GT115□,
GT105□,GT104□

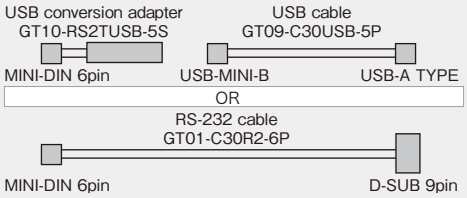


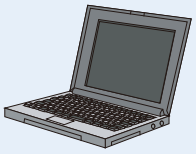
(GT1050)



GT1030,GT1020

(GT1030)





PC screen design software

- GT Designer2
- GT Works3 (GT Designer3)
- Data transfer tool (upload, download)

GOT1000 installation spacing

Please confirm the installation space of the equipment for substitution.

(units: mm)

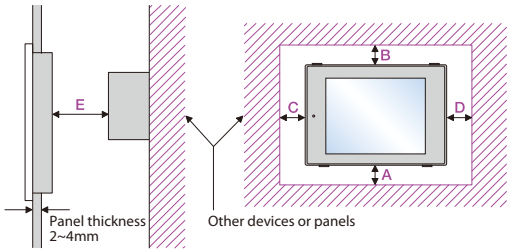
GT11 / GT12 model	A,D	B	C		E
			CF card not used	CF card used	
GT1155 GT1150 GT1265	50 or more (20 or more)	80 or more*1 (20 or more)	50 or more*2 (20 or more)	100 or more	100 or more (20 or more)

*1 : If used in vertical orientation, 50 or more (20 or more)
*2 : If used in vertical orientation, 80 or more (20 or more)

GT10 model	A	B	C	D	E
GT105□ GT104□	50 or more (20 or more)	50 or more (20 or more)	50 or more (20 or more)	50 or more (20 or more)	80 or more (20 or more*2)
GT1030 GT1020	50 or more (20 or more*1)	50 or more (20 or more)	50 or more (20 or more)	50 or more	80 or more (20 or more*3)

*1 : When using the RS-232/USB conversion adapter, 50 or more
*2 : When using the PC connection cable or connecting to multiple GOTs with the RS-232 interface,80 or more. When using the RS-232 interface with the RS-232/USB conversion adapter, 50 or more.
*3 : When using the USB cable or memory board, 80 or more.

Dimensions shown in parentheses apply when there are no devices nearby (contactor, etc) which produce radiated heat or noise. Even in this circumstance the ambient air temperature must never exceed 55°C. Depending on the unit and cable being used, a cable length longer than A (D for GT1020 and GT1030) may be required.



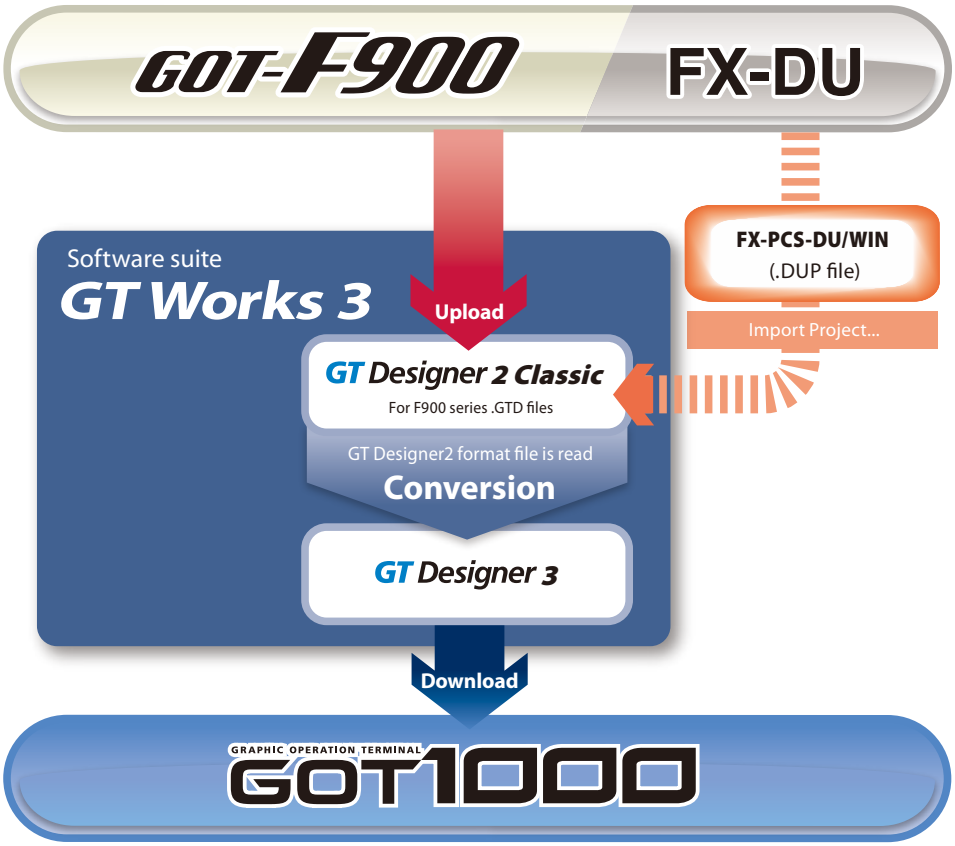
If GT11, GT12, GT15 expansion units are used the required spacing may differ, refer to product manuals before installation.

Project data conversion

For converting to GOT1000 project data

A PC and GT Works3 are required to read F900 project data, as well as convert that data into GOT1000 series format.
With FX-PCS-DU/WIN and GT Works3, FX-DU series project data can be read and converted into GOT1000 series format.
GT Works3 also includes the previous generation screen software GT Designer2 Classic and simulation tool GT Simulator2 which are compatible with F900 series project data.

The below description outlines the process for converting project data existing in a FX-DU or F900 series to a GOT1000 series. To perform conversion with other software, including GT Designer2 ver. 2, refer to the Replacement Guidance manual and product manuals.



Conversion of project data is necessary

When the screen resolution is different, a key window is present, or other non-updateable elements exist in the F900 series project data, modifications to the project data are necessary to fully convert it to a GOT1000 series project. GT Works3 contains automated conversion functions for screen size.
For a detailed guide on converting projects please refer to the Replacement Guidance Manual [JY997D39301].

MELSOFT

GOT1000 Screen Design Software

GT Works3

7 points

to easily create new screens and transfer them to the GT10

Point 1 Work tree

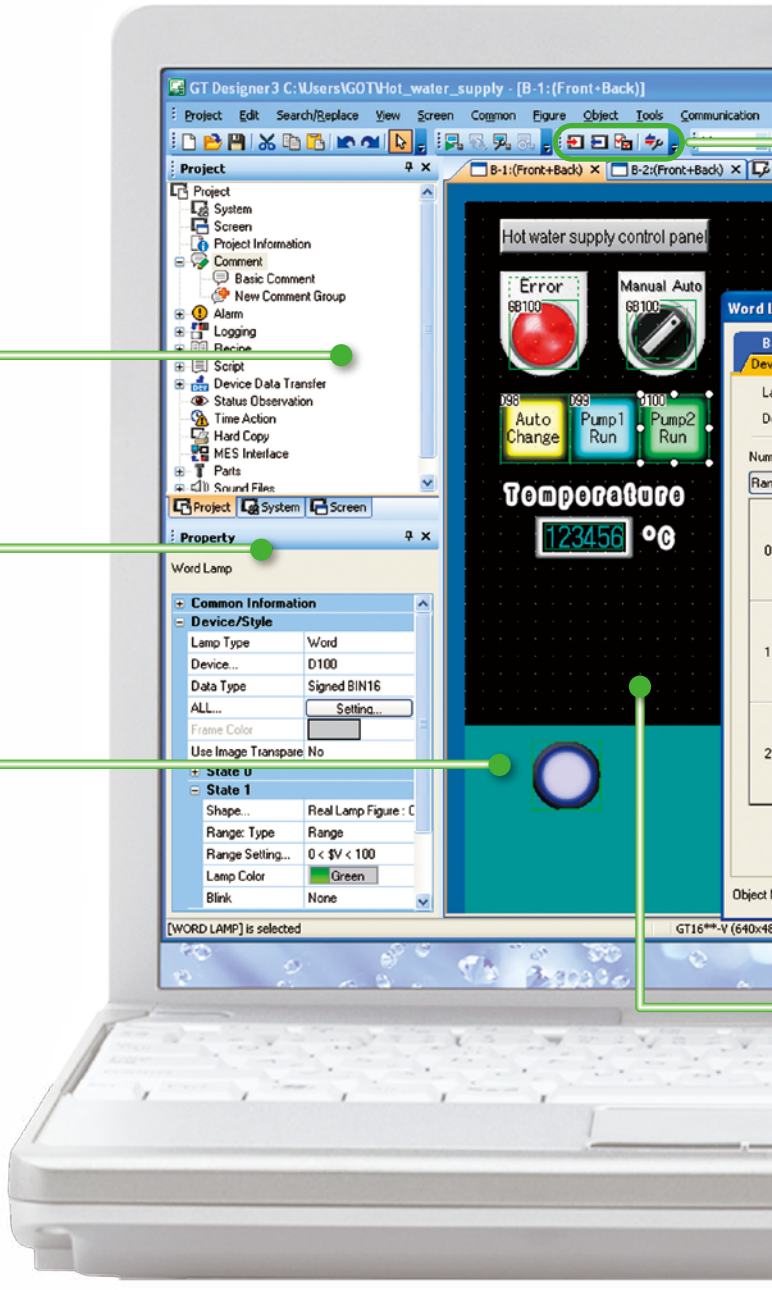
View the whole project, create a new screen, and add and delete screens – with ease.

Point 2 Property sheet

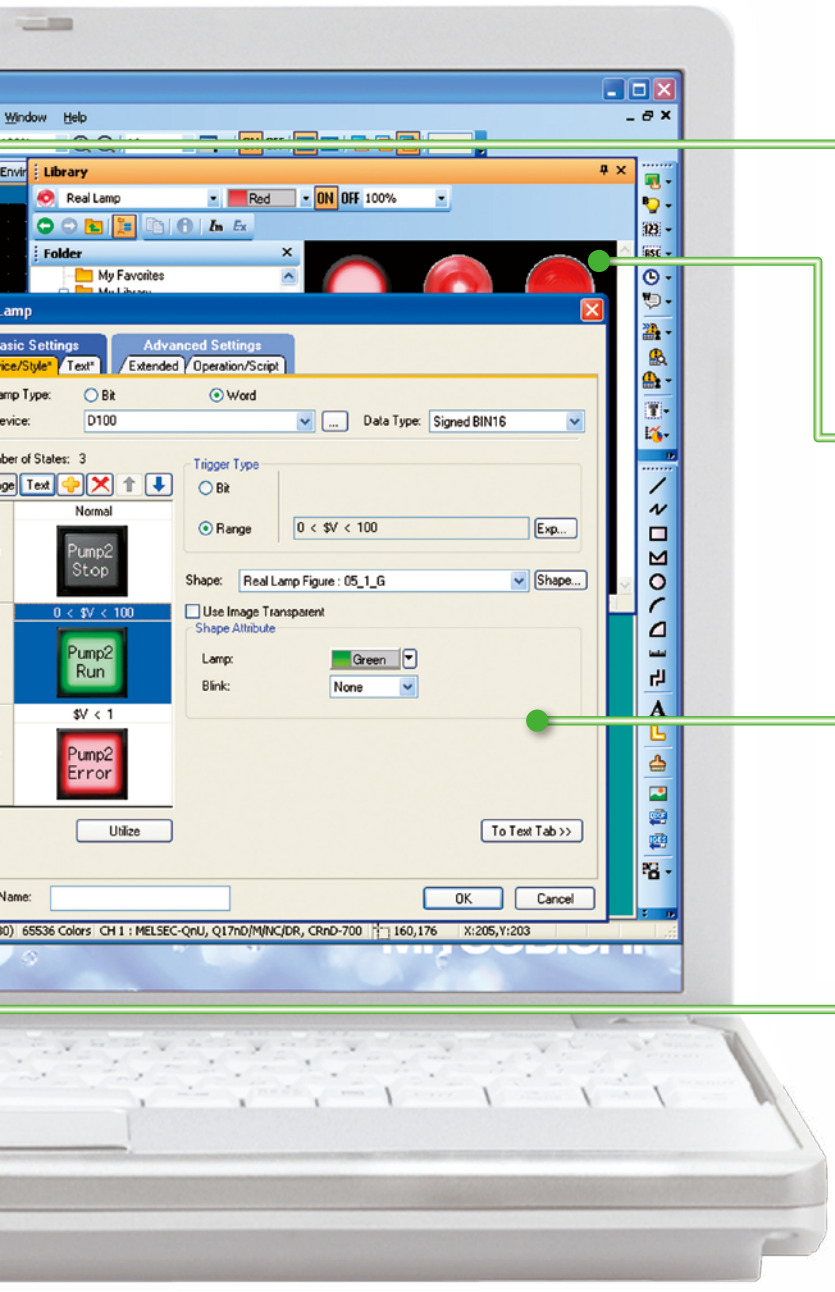
A selected object or graphic's settings are displayed in a tree view. Set colors, devices, etc., on the property sheet without opening a dialog box. When selecting the same objects or graphics, change color, character size, etc., all at the same time.

Point 3 Temporary area

Reduce workspace clutter by moving objects off the display area.



Visualization now offers much more than just what you see is what you get - This 3rd generation screen design software incorporates more user-friendly and customizable features to match users of all skill levels and provide the fastest, most intuitive method to create screen display programs we have ever created.



Point 4 Communication with the GOT

Communication settings and drivers are automatically selected and downloaded to the GOT with the project data.

Point 5 Library

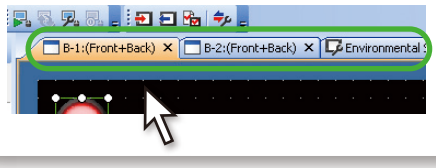
Parts are easy to select. High resolution graphics and parts are easy to create and incorporate into projects.

Point 6 Dialog box

User friendly dialog boxes and object settings allow fast and intuitive design even for novice users.

Point 7 Editor “screen design area”

Navigate through multiple screens easily with a simple click of a tub. Designers can take advantage of numerous convenient and efficient development functions such as this.



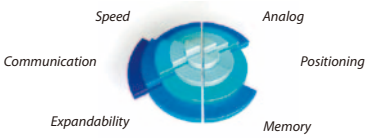
A tradition in refining excellence.

The ground breaking FX3 series is the 3rd generation of compact controller produced by Mitsubishi Electric.
Coming from a heritage of pioneering compact controllers, the FX3 series continues to build on its cornerstone
concepts : ease of use, flexibility, affordability, and customer confidence.

Please refer to the FX Renewal guide for FX series.

FX 3G

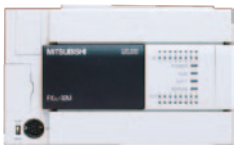
A basic model of
the 3rd generation compact PLC

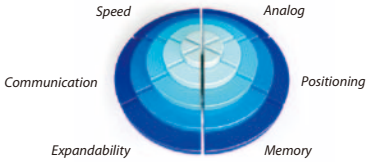


Controllable I/O: 14 - 256 points
(With CC-Link remote I/O's)
(Main Unit I/O: 14/24/40/60 points)

FX 3U

Flagship model of
the 3rd generation compact PLC

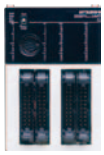


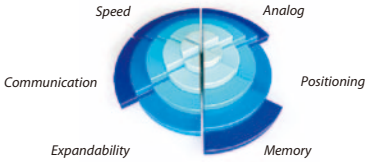


Controllable I/O: 16 - 384 points
(With CC-Link remote I/O's)
(Main Unit I/O: 16/32/48/64/80/128 points)

FX 3UC

Slim fit model of
the 3rd generation compact PLC





Controllable I/O: 16 - 384 points
(with CC-Link remote I/O's)
(Main Unit I/O: 16/32/64/96 points)

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