

Device/PLC Connection Manuals



About the Device/PLC Connection Manuals

Prior to reading these manuals and setting up your device, be sure to read the "Important: Prior to reading the Device/PLC Connection manual" information. Also, be sure to download the "Preface for Trademark Rights, List of Units Supported, How to Read Manuals and Documentation Conventions" PDF file. Furthermore, be sure to keep all manual-related data in a safe, easy-to-find location.

PREFACE

Thank you for purchasing the GP Screen Editor Software, "GP-PRO/PB III for Windows Ver. 6.3" for use with Pro-face's GP series operator interfaces.

Please read this manual carefully in order to use this software properly, and be sure to keep this manual handy for future reference.

NOTES

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Trademark / Trade Name	Right Holder
Microsoft, MS, MS-DOS, Windows, Windows 95, Windows 98, Windows Me, Windows NT, Windows 2000, Windows XP, Windows Explorer, Microsoft Excel	Microsoft Corporation, USA
Intel, Pentium	Intel Corporation, USA
Pro-face	Digital Electronics Corporation (in Japan and other countries)
Ethernet	Western Digital Electric Corporation, USA
IBM, VGA, IBM Compatible	International Business Machines Corporation (IBM), USA

The following terms differ from the above mentioned formal trade names and trademarks.

Term used in this manual	Formal Trade Name or Trademark
Windows 95	Microsoft® Windows® 95 Operating System
Windows 98	Microsoft® Windows® 98 Operating System
Windows Me	Microsoft® Windows® Me Operating System
Windows NT	Microsoft® Windows NT® Operating System
Windows 2000	Microsoft® Windows® 2000 Operating System
Windows XP	Microsoft® Windows® XP Operating System

LIST OF SUPPORTED MODELS

The following table lists the models compatible with GP-PRO/PB III for Windows Ver.6.3 The following series names or product names are used in the descriptions contained in this manual.

■ List of Supported GPs

Series	Product Name	Model	GP Type	
GP70 series	GP-H70 series	GP-H70L	GPH70-LG11-24V	GPH70L
			GPH70-LG41-24VP	
		GP-H70S	GPH70-SC11-24V	GPH70S
			GPH70-SC41-24VP	
	GP-270 series	GP-270L	GP270-LG11-24V	GP270L
			GP270-LG21-24VP	
			GP270-LG31-24V	
		GP-270S	GP270-SC11-24V	GP270S
			GP270-SC21-24VP	
			GP270-SC31-24V	
	GP-370 series	GP-370L	GP370-LG11-24V	GP370L
			GP370-LG21-24VP	
			GP370-LG31-24V	
			GP370-LG41-24VP	
		GP-370S	GP370-SC11-24V	GP-370S
			GP370-SC21-24VP	
			GP370-SC31-24V	
			GP370-SC41-24VP	
	GP-470 series	GP-470E	GP470-EG11	GP470
			GP470-EG21-24VP	
			GP470-EG31-24V	
	GP-570 series	GP-570L	GP570-LG11-24V	GP570L
			GP570-LG21-24V	
		GP-570S	GP570-SC11	GP570
			GP570-SC21-24VP	
			GP570-SC31-24V	
		GP-570T	GP570-TC11	GP570
GP570-TC21-24VP				
GP570-TC31-24V				
GP-57JS		GP57J-SC11	GP570VM	
GP-570VM		GP570-TV11		
GP-571 series	GP-571T	GP571-TC11	GP571T	
GP-675 series	GP-675S	GP675-SC11	GP675	
		GP675-TC11		
	GP-675T	GP675-TC41-24VP		
GP-870 series	GP-870VM	GP870-PV11	GP870VM	
GP-37W2 series	GP-37W2B	GP37W2-BG41-24V	GP37W2	
GP-377 series	GP-377L	GP377-LG11-24V	GP377L	
		GP377-LG41-24V		
	GP-377S	GP377-SC11-24V	GP377S	
		GP377-SC41-24V		
GP77R series	GP-377R series	GP377R-TC11-24V	GP377R	
		GP377R-TC41-24V		
	GP-477R series	GP477R-EG11	GP477R	
		GP477R-EG41-24VP		
	GP-577R series	GP-577RS	GP577R-SC11	GP577R
			GP577R-SC41-24VP	
		GP-577RT	GP577R-TC11	
			GP577R-TC41-24VP	

Series		Product Name	Model	GP Type
GP2000H series	GP-2301H series	GP-2301HL	GP2301H-LG41-24V	GP2301HL
		GP-2301HS	GP2301H-SC41-24V	GP2301HS
	GP-2401H series	GP-2401HT	GP2401H-TC41-24V	GP2401H
GP2000 series	GP-2300 series	GP-2300L	GP2300-LG41-24V	GP2300L
		GP-2300S	GP2300-SC41-24V	GP2300S
		GP-2300T	GP2300-TC41-24V	GP2300
	GP-2301 series	GP-2301L	GP2301-LG41-24V	GP2301L
		GP-2301S	GP2301-SC41-24V	GP2301S
		GP-2301T	GP2301-TC41-24V	GP2301
	GP-2400 series	GP-2400T	GP2400-TC41-24V	GP2400
	GP-2401 series	GP-2401T	GP2401-TC41-24V	GP2401
	GP-2500 series	GP-2500L	GP2500-LG41-24V	GP2500L
		GP-2500S	GP2500-SC41-24V	GP2500S
		GP-2500T	GP2500-TC11 GP2500-TC41-24V	GP2500
	GP-2501 series	GP-2501L	GP2501-LG41-24V	GP2501L
		GP-2501S	GP2501-SC11	GP2501S
		GP-2501T	GP2501-TC11	GP2501
	GP-2600 series	GP-2600T	GP2600-TC11 GP2600-TC41-24V	GP2600
	GP-2601 series	GP-2601T	GP2601-TC11	GP2601

■ List of Supported GLCs

Series		Product Name	Model	GP Type
GLC100 series	GLC100 series	GLC100L	GLC100-LG41-24V	GLC100L
		GLC100S	GLC100-SC41-24V	GLC100S
GLC300 series	GLC300 series	GLC300T	GLC300-TC41-24V	GLC300T
GLC2000 series	GLC2300 series	GLC2300L	GLC2300-LG41-24V	GLC2300L
		GLS2300T	GLC2300-TC41-24V	GLC2300
	GLC2400 series	GLC2400T	GLC2400-TC41-24V	GLC2400
	GLC2600 series	GLC2600T	GLC2600-TC41-24V	GLC2600

■ List of Supported STs

Series	Product name	Model	GP Type
ST 400 series	ST 400	ST 400-AG41-24V	ST 400
	ST 401	ST 401-AG41-24V	ST 401
	ST 402	ST 402-AG41-24V	ST 402

■ List of Supported Factory Gateway

Product name	Model	GP Type
Factory Gateway	FGW_SE41_24V	Factory Gateway FGW-SE



To use the GPWeb and GPViewer functions with the Factory Gateway, you must have GPPRO/PB III C-Package02 or later installed.

HOW TO USE THIS MANUAL

■ Structure of this Manual

The "Tag Reference manual" is the second of four manuals for this product, and explains how to use the "GP-PRO/PB III for Windows Ver. 6.3" software (hereafter referred to as "this product"). Please refer to all of these manuals when using this product.

In addition to these manuals, data files containing supplemental information on updated functions are also provided.

To read these files, click on the [Start] button in your Windows OS main screen and select the [Programs]→[Pro-face]→[ProPB3Win] menu. Then click on the [Read Me] selection.

For detailed information about GP series products, please refer to each GP's "User Manual". (Optionally available)

Vol. 1	Operation Manual	Describes this product's operation procedures and all standard functions. (provided as PDF data)
Vol. 2	Tag Reference Manual	Describes the functions and detailed settings for all GP-PRO/PBIII Tags. (provided as PDF data)
Vol. 3	Parts List	Describes this product's pre-made Parts and symbols. (provided as PDF data)
Vol. 4	Device/PLC Connection Manual (This Manual)	Describes the methods for connecting the GP to other, supported manufacturer Device/PLCs. (provided as PDF data)

Screen Data Layout Sheets are useful for designing tag address settings, etc. and example sheets are installed as part of the GP-PRO/PBIII for Windows standard installation.

The following two layout sheets, "Device Allocation Table" and "Tag Layout Sheet", are in Microsoft Excel format and are located in the PDF Manual CD-ROM.

The following folder and file names are used.

Folder Name	File Name	Contents
Pro-face\ propbwin\sheet	Device1E.xls	Device Allocation Table
	TAG1E.xls	Tag Layout Sheet
	TAG2E.xls	
	TAG3E.xls	
	TAG4E.xls	

For information on the use of Microsoft Excel, please refer to the Excel software's User Manual.

■ Designation of Supported Models

The functions and settings supported by each model may vary depending on the supported models. In this manual, explanations given are based on the variation of the "Series" and "Product name" described in the "List of Supported Models".

MANUAL SYMBOLS AND TERMINOLOGY






This manual uses the following symbols and terminology.

If you have any questions about the contents of this manual, please contact your local GP distributor.

Also, If you have any question about your personal computer or Windows, please contact your PC distributor or manufacturer.



■ Safety Symbols and Terms

This manual uses the following symbols and terms to identify important information related to the correct and safe operation of this product.

Symbol	Description
 <i>Warning</i>	Indicates a potentially hazardous situation that could result in serious injury or death.
 <i>Caution</i>	Indicates a potentially hazardous situation that could result in minor injury or equipment damage.
 <i>Important</i>	Indicates a potentially damaging action or dangerous situation that could result in abnormal equipment operation or data loss.
 <i>Careful!</i>	Indicates instructions or procedures that must be performed to ensure correct product use.
 STOP	Indicates instructions or procedures that must not be performed.

■ General Information Symbols and Terms

This manual uses the following symbols and terms for general information.

Symbol	Description
 Note:	Provides hints on correct product use, or supplementary information.
 Reference	Indicates an item's related information (manual name, chapter, section, sub-section).
Esc Ctrl	Refers to keys on the computer keyboard. Reference ■ <i>Keyboard Compatibility List</i>
IBM Compatible	Indicates a PC that can run the Windows® operating system.
PLC	PLC (Programmable Logic Controller, sequencer), including thermoregulator, inverter, etc.
GP	Generic name for the "GP Series" of programmable operator interface made by the Digital Electronics Corporation. For a list of compatible GP products please see "Compatible Products and Environmental Specifications". Reference <i>LIST OF SUPPORTED MODELS</i> ■ <i>List of Supported GPs</i>
GLC	Generic name for the GLC Series of Graphic Logic Controllers made by Digital Electronic Corporation. Reference <i>LIST OF SUPPORTED MODELS</i> ■ <i>List of Supported GLCs</i>

WHEN USING GLC2000 SERIES UNITS

GLC2000 Series units are equipped with the same features as GP2000 units, with the addition of control-related features. As a result, please change the word “GP” to “GLC” when reading this manual. However, please remember that GLC Series units cannot use AUX output or Sound output.

Be sure to understand this manual thoroughly before using your GLC unit.

WHEN USING ST SERIES UNITS

In this manual, read the word “GP” (“GP2301L”) as “ST”. However, ST units have certain restrictions owing to hardware specification differences with GP-2301L units. Be sure to understand this manual thoroughly before using your ST unit. Functions incompatible with your ST unit, **▼Reference▲** *Operation Manual [WHEN USING ST SERIES UNITS] section, Operation Manual 2.11.2 Restrictions*