

Easy! Smooth! LT Type A \rightarrow LT-3300T Replacement Guidebook

5th Edition: May 2023

Copyright \odot 2023 Schneider Electric. All Rights Reserved.

Preface

This manual introduces the procedures to replace a unit of LT Type A with a unit in LT3000 series.

Model in use	Replacement model
LT Type A (Color)	
(GLC150-SC41-XY32S*-24V)	LT3300-T1-D24-*
LT Type A (Monochrome)	L13300-11-D24-*
(GLC150-BG41-XY32S*-24V)	

* K: Sink Type C: Source Type

Safety Information

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

Before operating any of these products, be sure to read all related manuals thoroughly.

Failure to follow these instructions can result in death, serious injury or unintended equipment damage.

Contents

Preface	2
Safety Information	2
HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE	2
Contents	3
Chapter 1 Specification Comparison	5
1.1 Specifications of LT Type A and LT-3300T	5
Functional specifications/General specifications	5
DIO Interface (Input) Specifications	6
DIO Interface (Output) Specifications	7
Chapter 2 Compatibility of Hardware	8
2.1 Locations of connectors	8
2.2 Touch Panel Specifications	9
2.3 Panel Cutout Dimensions	9
2.4 Transfer cable	9
2.5 Interface	9
2.5.1 Alarm Output Interface	9
2.5.2 DIO Interface	9
2.6 Peripheral units and options	10
2.6.1 Barcode reader connection	10
2.6.2 Printer Connection	10

2.7 Power Connector	10
2.8 Power Consumption	10
2.9 Materials/Colors of the body	10
2.10 Display Colors	10
3.1 Work Flow	11
3.2 Preparation	12
3.3 Receive screen data from LT Type A	12
3.4 Convert screen data with the Project Converter	16
3.5 Transfer the project file to LT-3300T.	21
3.6 Differences of software	26
3.6.1 Differences after conversion	26

Chapter 1 Specification Comparison

1.1 Specifications of LT Type A and LT-3300T

Functional specifications/General specifications

LT Type A LT-3300T		LT-3300T		
Display	Color	TFT Color LCD	UP! TFT Color LCD	
Туре	Monochrome	Blue-mode monochrome LCD	→See 2.10	
Display	Color	64 Colors	UP! 65,536 Colors (No	
Colors	Monochrome	Blue mode 8 levels (3-speed blink)	blink)/16,384 Colors (Blink) →See 2.10	
Display Resolution		QVGA (320X240 pixels)		
Backlight		CCFL	White LED	
Panel Cutout Dimensions (mm)		W191.5×H141.5	W156×H123.5 →See 2.3	
External Dimensions (mm)		207W×157H×75.8D	W167.5×H135×D78	
Touch Panel Type		Matrix	NEW! Resistive film Analog →See 2.2	
Memory	Application	1MB	UP! 6MB	
метогу	SRAM	96KB	UP! 128KB	
Control	Program	128KB	UP! 132KB	
Memory	SRAM	32KB	UP! 64KB	
Serial Interf		-	NEW! RS-232C/422/485	
Ethernet	Color	_	10BASE-T/100BASE-TX	
Interface	Monochrome	-		
DIO Sink Type		DIO 32 points (Sink/Source Input: 16 points/Sink Output: 16 points)		
Interface	Source Type	DIO 32 points (Sink/Source Input: 16 points/ Source Output: 16 points)		
USB Host In	terface	- NEW! ✔ (Type A) →See 2.4		
Printer Inte	inter Interface Tool Connector NEW! USB → See 2.6		NEW! USB →See 2.6.2	
Alarm Outpu	rm Output ✓ - →See 2.5.1		- →See 2.5.1	

DIO Interface (Input) Specifications

	LT Type A	LT-3300T	
Rated Voltage	DC24V		
Max. Allowable Voltage	DC26.4V	DC28.8V	
Input Type	Sink/Sou	rce Input	
		6.5mA(DC24V)(IN0, IN2,	
Rated Current	5mA(24V)	IN4, IN6)	
		4.1mA (DC24V)(other inputs)	
		Approx. 3.7kΩ	
Input Resistance	4.7kΩ	(IN0, IN2, IN4, IN6)	
		Approx. 5.9k Ω (other inputs)	
Standard Operating	ON voltage: DC21V or more	ON voltage: DC19V or more	
Range	OFF voltage: DC7V or less	OFF voltage: DC5V or less	
Input Delay	10ms or less 0 to 20ms*1		
Common		1	
Common Structure	16 points /1 common line		
External Connection	40-pin connector	38-pin connector	
External connection	(also used for output)	(also used for output)	
Input Points	16		
Input Signal Indication	LED lights for each point ON	No LED display	
	(logical side)		
Isolation Method	Photo coupler isolation		
External Power Supply	For Signal: DC24V		

*1: Digital filter can be set at intervals of 0.5ms.

DIO Interface (Output) Specifications

		LT Type A	LT-3300T
Rated Voltage		DC24V	
Rated Voltage	e Range	DC24V±10%	DC20.4V to DC28.8V
Output Type	Sink Type	Sink Output	
Output Type	Source Type	Source	e Output
Max. Load Cu	rrent	0.2A/point,	1.6A/common
Output Voltag	e Drop	DC2.5V or less	DC0.5V or less
		2ms or less	5µs or less (OUT0 to 13)
Output Delay		2111S OF IESS	0.5ms or less (OUT14 to 15)
Leakage Curre	ent when OFF	0.4mA or less	0.1mA or less
Output Classi	fication	Transistor Output	
Common		1 2	
Common Structure		16 points / 1 common line	8 points/1 common line x 2
External Connection		40-pin connector	38-pin connector
External Com	lection	(also used for input)	(also used for input)
Output Protec	tion	Output is	unprotected
Classification		Output is unprotected	
Internal Fuse		3.5A, 125V Chip Fuse	3.5A, 125V Chip Fuse x 2
		(non-replaceable)	(non-replaceable)
Surge Suppre	ssion Circuit	Diode Zener Diode	
Output Points		16 points	
Output Signal	Indication	LED lights when each point	No LED display
Output Signal	mulcation	turns ON (logical side)	
Isolation Met	hod	Photo coupler isolation	
External Powe	er Supply	For Signal: DC24V	

Chapter 2 Compatibility of Hardware

2.1 Locations of connectors

Connector locations on LT Type A and LT-3300T are as follows;



	LT Type A	LT-3300T
1	DIO I	/F
2	Tool Connector	-
3	DIO Input/Output LED	-
4	RUN/STOP Switch	
4	(LED lights when RUN)	_
5	Alarm Output	-
6	Power Input Terminal Block	Power Connector
7	-	AUX/Expansion Unit I/F (EXT2)*1
8	-	EX Module I/F(EXT1)*1
9	-	Serial I/F (COM1)
10	- USBI/F (Type A)	
11	- Ethernet I/F*2	

*1: EX Module and CANopen Master Unit cannot be used at the same time.

*2: LT-3300T only.

2.2 Touch Panel Specifications

The touch panel type for LT3000 series is 'Resistive Film (Analog)'.

The resistive film analog type recognizes only the first-touched point and doesn't recognize the second-touched point when two different points are touched at the same time.

If you have applied the two-point touch input on LT Type A, we recommend you to change to the one-point touch input using the switch delay function of GP-Pro EX.

2.3 Panel Cutout Dimensions

The size of LT-3300T is smaller. The panel cutout dimensions of LT-3300T are different from those of LT Type A. Attachment (model: CA4-ATM5-01) for installing LT-3300T is available and you can use it when replacing LT Type A with LT-3300T.

2.4 Transfer cable

To transfer screen data to LT-3300T, use a USB cable or Ethernet. Use a transfer cable for LT-3300T (model number: CA3-USBCB-01). Commercial USB cables cannot be used. Please note that the cables (model number: GPW-CB02, GPW-CB03, GP430-CU02-M) for LT Type A cannot be used for LT-3300T.

2.5 Interface

2.5.1 Alarm Output Interface

Alarm Output Function is not supported by LT-3300T. Please note that the Alarm Output that is used for LT Type A cannot be used.

2.5.2 DIO Interface

When the I/O interface that was connected to LT Type A is connected to LT-3300T, an external dummy resistance is required for faster response with light load use. (*For OUT 0 to 3 only)

Output Circuit Sink Type

Source Type



2.6 Peripheral units and options

2.6.1 Barcode reader connection

LT-3300T is not equipped with a tool port. The barcode reader that was connected to the tool port on LT Type A before replacement cannot be used. But LT-3300T allows you to connect a barcode reader on its USB interface (Type A).

For models LT-3300T supports, see [Otasuke Pro!] (http://www.pro-face.com/otasuke/).

2.6.2 Printer Connection

LT-3300T is not equipped with a tool port. The printer that was connected to the tool port on LT Type A before replacement cannot be used. But LT-3300T allows you to connect a printer on its USB interface (Type A).

For models LT-3300T supports, see [Otasuke Pro!] (http://www.pro-face.com/otasuke/).

2.7 Power Connector

The power connector on LT-3300T is a screw lock type. If you replace LT Type A with LT-3300T note that the power supply terminals are different.

2.8 Power Consumption

The power consumption of LT Type A is different from that of LT-3300T.

LT Type A	20W or less
LT-3300T	27W or less

For the detailed electric specifications, see the hardware manual.

2.9 Materials/Colors of the body

The body material of LT-3300T is a resin type like LT Type A. The material texture is almost the same, but the color is different.

2.10 Display Colors

The display color of GLC150-BG41-XY32SK-24V/ GLC150-BG41-XY32SC-24V is monochrome. As LT-3300T does not support monochrome display, if you change the model to LT-3300T, the display color will be changed to Color display. Therefore, after changing the model, be sure to check the color of the screen data with GP-Pro EX.

Chapter 3 Replacement Procedure



*1: This step is required if screen data is saved only in the GP unit, not in any other unit.

3.2 Preparation

Requirements for	PC in which GP-PRO/PBIII for Windows C-Package03 V7.0 or later
receiving screen data	is installed *2
from LT Type A *1	Transfer cables (the following three types of cables are available.)
	- GPW-CB02 (D-sub 9-pin to the PC)
	- GPW-CB03 (USB to the PC) *3
	- GP430-CU02-M or GPW-SET (D-sub 25-pin to the PC)
Requirements for	LT-3300T: GP-Pro EX Ver. 3.01.200 or later
converting screen data of	USB transfer cable (model: CA3-USBCB-01)
LT Type A and	*Also possible to send/receive screen data via a USB storage unit
transferring the	or Ethernet (for LT-3300T only).
converted data to	
LT-3300T	

*1: This step is required if screen data is saved only in the GP unit, not in any other unit.

- *2: Please use the same version or later as or than that of the software used during creating screens on LT Type A LT Type B+. If you don't know the version, we recommend you to use the newest version. The newest version is GP-PRO/PBIII for Windows C-Package03 (SP2) V7.29. Those who have GP-PRO/PBIII for Windows C-Package03 V7.0 or later can download it from our web site called [Otasuke Pro!] (<u>http://www.pro-face.com/otasuke/</u>).
- *3: GPW-CB03 is supported by GP-PRO/PBIII for Windows C-Package02 (SP2) V6.23 or later. You need to install a driver from [Download] on our Web site called [Otasuke Pro!] (<u>http://www.pro-face.com/otasuke/</u>)

3.3 Receive screen data from LT Type A

This section explains, as an example, how to receive screen data from LT Type A LT Type B+ using a transfer cable, GPW-CB02 or GPW-CB03. If you have backed up screen data, this step is unnecessary; skip to the next section [3.4 Convert screen data with the Project Converter].

1. Connect a transfer cable to LT Type A



2. Start up GP-PRO/PBIII for Windows and click the [Transfer] icon on the Project Manager (Specify a desired project file.)



3. On the [Transfer] window, select the [Setup] menu and click [Transfer Settings...].



4. In the Communication Port field, select [COM], specify the COM port to which the cable is connected, and click [OK].

Transfer Settings	×			
- Send Information	Communications Port			
🔽 Upload Information				
I GP S⊻stem Screen I Fjling Data(CF card)	Comm Port COM1 Retry Count 3			
✓ Trans Func CSV Data(CF card)				
	Baud Rate 38400 💌 (bps)			
	C Ethernet			
Transfer Method				
Send All Screens	IP Address U. U. U. U. Port 8000			
C Automatically Send Changed Screens				
Send User Selected Screens	C Ethernet: Auto Acquistion			
	C Memory Loader			
Transfer Mode				
 Preparation for a transfer and a transfer are made simultaneo 				
C It is transferred after preparation for a transfer is finished.				
- Setup				
C Automatic Setup Use Extended	l Program :			
● Eorce System Setup □ Simulatio	n			
C Do NOT Perform Setup				
System S	creen			
Setup CFG file :				
C Japanese				
C Selection C:\PROGRA*1\Pro-face\PROPBW*1.02\prot Browse				
OK Cancel Help				

Internal



5. Select the [Transfer] menu and click [Receive..].



6. Specify the location to save the received screen data at and the project file name and save them.



3.4 Convert screen data with the Project Converter

Convert the project file (*.prw) for LT Type A with the GP-Pro EX's Project Converter.

Click the [Start] button, select [All Programs] ([Programs]->[Pro-face]->[GP-Pro EX
 *.**]->[Project Converter]) (For this part, [*.**], the version of the software you use is
 displayed.)

	💼 Pro-face 🔹 🕨	🧰 GP-Pro EX 1.10 🔹 🔸	🛅 Manual (Help) 🔹 🕨
	🥭 Internet Explorer		🍰 GP-Pro EX
	Microsoft Excel		🍓 Project Converter
	W Microsoft Word		📄 Readme
	🙆 Microsoft Outlook		😭 TransferTool
	Microsoft PowerPoint		🛃 Uninstall
	🗐 Outlook Express		
	🎕 Windows Movie Maker		
All Programs 👂	📙 Adobe Reader 8		
	Log Off 🚺 Shut Dov	vn	
🎒 start			

2. The Project Converter starts up and the [Project Converter] dialog box opens. Select [Project File (*.PRW)] in the [Data Type].

😓 Project C	onverter	
Data Type	Project File(*.PRW)	
Convert-From		Browse
Convert-To		Browse

3. Click the [Browse...] button and select a project file (e.g.: "Project system A.prw"). Click [Open], and the file will be set in [Convert-From].

🔮 Project C	onverter	
Data Type	Project File(*.PRW)	
Convert-From		Browse
Convert-To		Browse
	\	

16

Open		? 🔀
Look in: 🔎	database 💽 🗲 🛍	• 🖬 📩
Product sy	stem A	
File <u>n</u> ame:	Product system A	<u>O</u> pen
Files of <u>type</u> :	Project Files (*.prw)	Cancel
	\checkmark	
🔮 Project C	onverter	
Data Type	Project File(*.PRW)	
Convert-From	C:\Program Files\Pro-face\ProPBWin\datab	Browse
Convert-To		Browse

4. In [Convert-To], designate a GP-Pro EX's project file (*.prx). Click the [Browse...] button and enter a new [File Name] (e.g.: "Product system A.prx"). Click [Save], and a new project file will be set to [Convert-To].

😫 Project Converter 🛛 📔			
Data Type	Project File(*.PRW)		
Convert-From	C:\Program Files\Pro-face\ProPBWin\datab	Browse	
Convert-To		Browse	

17

Save jn: Database Database Cancel	Save As				?	×
Save as type: PRX Files (*.prx) Cancel	Save in: 🗀	Database	•	🗢 🔁	📸 🎟 -	
Save as type: PRX Files (*.prx) Cancel						
Save as type: PRX Files (*.prx) Cancel						
Save as type: PRX Files (*.prx) Cancel						
Save as type: PRX Files (*.prx) Cancel						
Save as type: PRX Files (*.prx) Cancel						_
Project Converter Data Type Project File(*.PRW) Convert-From C:\Program Files\Pro-face\ProPBWin\datab Browse	File <u>n</u> ame:	Product system A			<u>S</u> ave	
Data Type Project File(*.PRW) Convert-From C:\Program Files\Pro-face\ProPBWin\datab Browse	Save as <u>t</u> ype:	PRX Files (*.prx)		-	Cancel	
Data Type Project File(*.PRW) Convert-From C:\Program Files\Pro-face\ProPBWin\datab		_	L			
Data Type Project File(*.PRW) Convert-From C:\Program Files\Pro-face\ProPBWin\datab						
Convert-From C:\Program Files\Pro-face\ProPBWin\datab Browse	🚱 Project Co	onverter			×	
	Data Type	Project File(*.PRW)	•			
	C 15	CAProgram Files/Pro fr	ool DroDD) (ind d	atab	December 1	
Convert-To C:\Program Files\Pro-face\GP-Pro EX\Datab Browse	Convert-From		ice (FIUED WIN)O		DIOWSE	
	Convert-To	C:\Program Files\Pro-fa	ace\GP-Pro EX\D)atab	Browse	

NOTE

When a convert-to file exists, the window that confirms whether or not to overwrite the file is displayed.

Save As	
⚠	C:\Program Files\Pro-face\GP-Pro EX\Database\Product system A.prx already exists. Do you want to replace it?
	Yes No

5. Click [Convert] and start the conversion.

😼 Project C	onverter	×
Data Type	Project File(*.PRW)	
Convert-From	C:\Program Files\Pro-face\ProPBWin\datab Browse	
Convert-To	C:\Program Files\Pro-face\GP-Pro EX\Datab Browse	
	Option	
		-
,	Convert Close <u>H</u> elp	

6. If you are asked about the [Convert-To] type as shown below, select the replacement model name on the pull-down menu. Click [OK].

Convert Dest	ination		
Select a model.		ОК	
GP-	•	Cancel	
		,	
😂 Project Co	onverter		
Data Type	Project File(*.PRW)	•	
Convert-From	C:\Program Files\Pro-f	face\ProPBWin\datab	Browse
Convert-To	C:\Program Files\Pro-f	face\GP-Pro EX\Datab	Browse
		Option	
Converted Popup Keypad Edit(Text Landscape) Converted Popup Keypad Edit(Dec Portrait) Converted Popup Keypad Edit(Hex Portrait) Converted Boudon Converted B00001 Converted B00003 Converted B00100 Converted B08999 Converted W00001 Converted W00001 Converted W00002 Converted W00003 Converted System settings Completed.			
	Conv	Close	<u>H</u> elp

If an error message is displayed during conversion... If an error message is displayed during conversion, refer to [Project Converter Error Message] (http://www.pro-face.com/otasuke/qa/gp3000/replace/soft/conv/project converter e rror.html) on our Web site called [OtasukePro!] for the cause and the solution.

7. After conversion, the [Save convert information] dialog box appears. If you click [Save], you can save the conversion information in a CSV file format.

Save convert information.	? 🗙
Save jn: 🞯 Desktop 💽 🖛 📾 📸 🎫	
My Documents	
My Computer	
	>
File <u>n</u> ame: Sav	e
Save as type: CSV Files (*.csv)	;el

NOTE

Because the differences at the time of conversion from GP-Pro/PBIII for Windows are described in the saved file, the project file (*.prx) after conversion can be checked and modified according to the conversion information.

- 8. Click [Close] to close the [Project Converter] dialog box.
- 9. If you double click the project file (*.prx) after conversion, GP-Pro EX will start and the file will open.

3.5 Transfer the project file to LT-3300T.

Transfer the project file after conversion to LT-3300T. You can transfer data to LT-3300T via

- A USB transfer cable (model: CA3-USBCB-01)
- AUSB storage unit
- Ethernet

But this section explains, as an example, how to transfer screen data with a USB transfer cable (model: CA3-USBCB-01).



21

Internal

1. Connect your PC and LT-3300T with a USB transfer cable (model: CA3-USBCB-01). If the driver of the cable has not been installed on you PC yet, a dialog box will appear. Please follow the instructions.

NOTE
The "Hardware Installation" dialog box as shown below may appear during installing the
USB driver depending on a security level of Windows® XP. Click [Continue Anyway] to
start installing the driver. When installation is completed, click [Finish].
Hardware Installation
The software you are installing for this hardware:
USB Link Cable (CA3-USBCB-01)
has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>)
Continuing your installation of this software may impair
or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly
recommends that you stop this installation now and contact the hardware vendor for software that has
passed Windows Logo testing.
Continue Anyway STOP Installation
If the following symptoms appear on Microsoft Windows® 7, go to [updating "USB
Data Transfer Driver"] on OtasukePro! (<u>http://www.pro-face.com/otasuke/</u>) for
download.
- An error occurs when GP-Pro EX or Transfer Tool is installed.
- An error occurs when data is transferred via a USB transfer cable
(model: CA3-USBCB-01).

2. Turn on the power of LT-3300T. The "Initial Start Mode" screen will appear on the display unit. After transferring a project file once, this screen will not appear again.

Initial Start Mode	
Language EN Thank you for your p To initialize this u download the Runtime the editor. Note:Touch the Ether to change the IP add	ourchasing. unit, please e system from rnet Setup Switch
Trigger Device	Ethernet Setup

3. On the GP-Pro EX's State Toolbar, click the [Transfer Project] icon to open the Transfer Tool.



To transfer a different project file, click the [Select Project] button and select a project file.

4. Make sure that the [unit] in the "Transfer Settings Information" is set to [USB]. If not, click the [Transfer Setting] button to open the "Transfer Setting" dialog box. Select [USB] in the Communication Port Settings field and click [OK].



5. Click [Send Project] to start transfer. When the following dialog box appears, click [Yes]. This dialog box doesn't appear when the same project file is sent again.

🔊 USB		×
?	Transferring all projec Is that OK?	ts will be executed.
	Yes	No

6. The following dialog box appears during transfer and you can check the communication status. (The display unit enters the Transferring mode and communication with the unit such as a PLC is terminated.)

e) Send Project		the second s	202	
Depley Unit (GE)(A to A)	States	UEDRA to AP Connecting password dhock. Password on oth 40, Password on oth 40, Password on oth 40, Password on the formation and the formation of the formation and the formation of the formation Check project. Darting to bandler fromane Tarellening fromate complete. We fing.		Display Screen Data Transfer Data transfer is in progress. Please do NUT turn off the machine until complete.
			10%	

7. When transfer is completed, the status displayed in the dialog box will change from [Transferring] to [Complete Transfer]. Click [Close] to close the dialog box.

USIB Teamler compl. Stating parsword check. Personal check. Personal check. Personal check. Decil, poject. Stating to shareful fitmeare. Transferring Immaare complete. Stating to shareful fitmeare. Transferring Internatione and Stating on shareful fittmeare. Transferring I/O drives. Transferring I/O drives. I/O driv	Display Unit	Status	USB
900 N			Persverid in not at up. Persverid holes, complete, Oreck posjest. Starting to brandle finnware. Exandesing limmare complete. Starting to sandler Australie. Ti smatheting Paurities complete. Starting to sandler diver. Did not send the I/O Divers. Did not send the I/O Divers. Starting to sandler diver. Starting to sand

The display unit will be reset and a screen of the transferred project file will be displayed.

- 8. Close the Transfer Tool.
- 9. Click the [X] mark on top right of the screen or [Project]->[Exit] to close GP-Pro EX.

3.6 Differences of software

3.6.1 Differences after conversion

Check the differences of screen data after conversion from GP-PRO/PBIII to GP-Pro EX. For the details of each item, refer to our website. <u>http://www.pro-face.com/otasuke/ga/qp3000/replace/soft/conv/care/3/</u>

Differences of software

Differences of screen data

Differe			
1	Touch Panel Type		
2	Compatibility of Bit Switch		
3	Compatibility of Alarm		
4	Compatibility of Trend Graph		
5	Compatibility of K Tag (Input Order)		
6	Compatibility of K Tag (Difference of Writing)		
7	Compatibility of K Tag (Indirect Setting)		
8	Compatibility of N Tag		
9	Precautions for using the switch for [History Data Display] of Trend Graph on the window		
10	About window display on a momentary switch during momentary operation		
11	About the performance when a display area of the system window is overlapping		
12	Change of Tag Process		
13	About the display when a fixed Draw is placed on a Part		
14	Compatibility of Text		
15	Compatibility of Fill		
16	Compatibility of CF Card Data		
17	Precautions for conversion when filing data is saved in a CF card		
18	Precautions for setting "Color Settings" to [256 Colors without blinking]		
19	Precautions for loading a part with "L Tag (Library Display)"		
20	Compatibility of MRK files and CPW files		
21	Compatibility of V Tag/v tag and Video Screen		
22	Compatibility of Extended SIO Script		
23	Compatibility of Sound Data		
24	Compatibility of unit Monitor		
25	Compatibility of Ladder Monitor		
26	Compatibility of J Tag and R Tag		
27	Converting Screen Data of DOS		
28	Compatibility of Standard Font		
29	D Script starts right after screen change or power on.(Compatibility of D Script Trigger Condition)		
30	The position shifts when loading a window screen (Compatibility of U Tag)		
31	Precautions for using Screen Level Change		
32	Compatibility of Symbol		
33	Compatibility of H Tag		

Logic Program Differences

Logic	Program Differences			
1	Restriction Comparison			
	1-1 Comparison of Performance Specifications			
2	Differences of Settings			
	2-1	Differences of Constant Scan Setting		
	2-2	Controller Auto Start Setting		
	2-3 Order of storing character string data			
	2-4	Types of symbol variables to be used in a command		
3	Setting Changes			
	3-1	Ladder Monitor Screen		
	3-2	Conversion when a logic program error occurs		
	3-3	Converting a logic file (*.WLL)		
	3-4	DIO Drivers		
	3-5	Differences for Bit Set of integer variables		
	3-6	Setting an initial value of a variable		
	3-7	Conversion of variables to be undefined addresses		
	3-8	Restriction of array elements		
	3-9	Assigning array variables via Configure I/O		
	3-10	No drivers assigned		
	3-11	The system variable '#Screen' for switching screens		
	3-12	For Integer Array, when accessing a bit		
	3-13	Differences of LS variables		
4	Variat	ole/Instruction Conversion		
	4-1	Differences of Fix Variable Mode		
	4-2	Differences of LS variables		
	4-3	Temporary variables		
	4-4	Control block variables of the PID instruction		
	4-5	Differences of system variables		
	4-6	Instruction Conversion		
	4-7	If the second operand of the PID instruction is an integer constant,		
	4-8	Values of variables 'LS' and 'LSS'		
5	Comment/Label Conversion			
	5-1	Program Comment		
	5-2	The number of characters in a rung comment		
		Rung comments including [START], [END], [SUBSTART**], or		
		[SUBEND**]		
		Capacity of a rung comment		
	5-3	The number of characters in a variable comment		
		Capacity of a variable comment		
		Comments of reference variables		
	5-4	User Label		
	5-5	Subroutine		
	5-6	Converting the project including comments entered on the OS in another		
		language		