Mitsubishi Inverter FR-E800 Series

Sample Screen Manual

Mitsubishi Electric Corporation

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Manual	Control No.	Revised
INVERTER FR-E800 Instruction Manual (Function)	IB(NA)-0600868ENG-A	Dec. 2019
INVERTER FR-E800 Instruction Manual (Communication)	IB(NA)-0600871ENG-A	Dec. 2019
INVERTER FR-E800 Instruction Manual (Maintenance)	IB(NA)-0600874ENG-A	Dec. 2019
三菱電機汎用インバータ E800 取扱説明書(機能編)	IB(名)-0600867-A	Dec. 2019
三菱電機汎用インバータ E800 取扱説明書(通信編)	IB(名)-0600870-A	Dec. 2019
三菱電機汎用インバータ E800 取扱説明書(保守編)	IB(名)-0600873-A	Dec. 2019
三菱电机通用变频器 E800 使用手册 (功能篇)	IB(NA)-0600869CHN-A	Dec. 2019
三菱电机通用变频器 E800 使用手册 (通讯篇)	IB(NA)-0600872CHN-A	Dec. 2019
三菱电机通用变频器 E800 使用手册 (维护篇)	IB(NA)-0600875CHN-A	Dec. 2019

■Reference document

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REVISIONS

Sample Screen Manual

Date	Control No.*	Description	
2020/4	BCN-P5999-1305	First edition	
2020/4	BCN-P5999-1305-1a	Correction of errors • Corrected the screen No. of "5.1.4 Parameter (Bookmark)"	
2020/9	BCN-P5999-1305-1b	Correction of errors • Add remarks of "5.1.10 Inverter Life Diagnosis 1 to 2" • Corrected the Set value of "7.3.2 Inverter FR-E800 Communication Settings" • Corrected the Set value of "7.7 Changing the Inverter Network No. and Station No. "	

* The control No. is noted at the lower right of each page.

Project Data

Date	Project Data	GT Designer3*	Description
2020/4	MITSUBISHI_FR-E800-E_V_Ver1_E.GTX	1.235V	First edition
2020/4	MITSUBISHI_FR-E800-E_V_Ver1a_E.GTX	1.235V	No revision
2020/9	MITSUBISHI_FR-E800-E_V_Ver1b_E.GTX	1.235V	Corrected the Parameter name

* The version number of screen design software used to create the project data is listed. Please use the screen design software with the listed version or later versions.

* GOT Graphic Ver.2 is used as graphics setting.

1. OUTLINE

This manual explains the sample screens of GOT2000 connected to a FR-E800-E inverter via Ethernet. The sample screens can be used to change the running speed, rotation direction, and the parameters as well as to monitor the current values and execute machine diagnosis (load characteristics measurement).

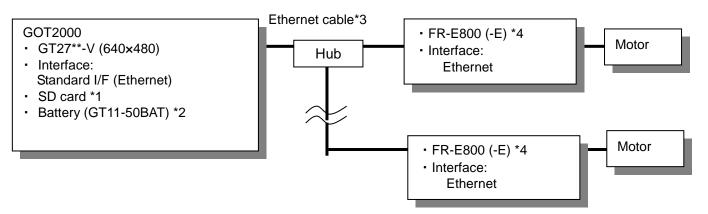
By changing the controller settings, the following connections are supported.

(a) When connecting GOT2000 to inverter FR-E800 in RS-485 connection.

(b)When connecting GOT2000 to MELSEC iQ-R/Q/L series PLC and then connecting the PLC to inverter FR-E800-E via Ethernet interface unit/CC-Link IE TSN master/local module.

Please refer to "7. User Customize" for how to change [Controller Setting] and "8. Limitations" for the limitations regarding CC-Link IE TSN.

2. SYSTEM CONFIGURATION



- *1: The SD card is used for the recipe function and document display function.
- *2: The battery is used to back up the clock data and the recipe data in the SRAM user area in case of power failures. (The battery is included as standard in the GOT.)
- *3: For more details on the cable, please refer to "GOT2000 Series Connection Manual (Mitsubishi Products)".

*4: The recommended number of devices is up to 16 in this sample screen.

Additional Explanation

- This sample screen can also be used for connecting the GOT to inverters via PLC. Please refer to "7. User Customize" for details.
- This sample screen assumes the inverter connection via the channel No.1, network No.1 and station No.1 to 16. When the inverter is connected via other channels, networks or station numbers, please refer to "7. User Customize".

3. GOT

3.1 Supported Models

The following GOTs are compatible with this sample screen.

- GT27 model
- GT25 model

* This sample screen is created in GT27**-V (640×480). Please refer to "GT Designer3 (GOT2000) Screen Design Manual" for how to change the GOT model.

3.2 System Applications that are Automatically Selected

Туре	System Application Name			
Standard Function	Standard System Application			
Stanuaru Function	Standard Font		Japanese	
Communication Driver	Ethernet Connection	Etherne	et (FREQROL (Batch monitor)), Gateway	
	Standard Font		Chinese (Simplified)	
	Outline Font	Gothic	Alphanumeric/Kana	
			Japanese(Kanji)	
Extended Function			Chinese(Simplified)	
	Key Window Design Information			
	Recipe Display (Record List)			
	Decument Display		Document Display (PDF)	
	Document Display		PDF Search/Bookmark function	

3.3 Controller Settings of Screen Design Software

Setting f	or Each	Channel
-----------	---------	---------

СН	Item Set value		Remarks
	Manufacturer	MITSUBISHI ELECTRIC	
CH1	Controller Type	FREQROL 800/E700NE (Batch monitor)	
	I/F	Ethernet:Multi	
CH2	None		
CH3	None		
CH4		None	

CH1 Detail Setting

Item	Set value	Remarks
GOT NET No.	1	
GOT Station	18	
GOT Communication Port No.	5036	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	

CH1 Connected Ethernet Controller Setting

	Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
1	*	1	1	FREQROL	192.168.3.50	5001	UDP

3.4 GOT Ethernet Setting of Screen Design Software GOT IP Address Setting

Sor in Address Setting						
Port	Item Set value		Remarks			
Standard Port	Update GOT Ethernet Standard Port setting	Checked				
	GOT IP Address	192.168.3.18				
	Subnet Mask	255.255.255.0				
Extended Port	None					
Wireless LAN	None					

GOT Ethernet Common Setting

Item	Set value	Remarks
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	

3.5 Graphics mode (Graphics Setting) Graphics mode is GOT Graphic Ver.2.

4. Inverter FR-E800-E

4.1 Inverter FR-E800-E Communication Settings

Set the parameters of communication settings with PU (operation panel or parameter unit). An inverter reset after the setting is required for the parameters of the communication settings.

Item	Parameter	Set value	Remarks
Operation mode selection	Pr.79	0 (Default value)	*2
Communication startup mode selection	Pr.340	10 (Default value)	*2
Communication EEPROM write selection	Pr.342	0 (Default value)	*2
PLC function operation selection	Pr.414	0 (Default value)	*2 *3
Stop mode selection at communication error	Pr.502	0 (Default value)	*2
Protocol selection	Pr.549	0 (Default value)	
NET mode operation command source selection	Pr.550	5	*2
Operation frequency during communication error	Pr.779	9999 (Default value)	*2
Ethernet communication network number	Pr.1424	1 to 239	*1
Ethernet communication station number	Pr.1425	1 to 120	*1
Link speed and duplex mode selection	Pr.1426	0 (Default value)	*2
Ethernet function selection 1	Pr.1427	5000 to 5002, 5006 to 5008	*1
Ethernet function selection 2	Pr.1428	9999	*2
Ethernet function selection 3	Pr.1429	9999	*2
Ethernet signal loss detection function selection	Pr.1431	0	*2
Ethernet communication check time interval	Pr.1432	9999	*2
Ethernet IP address 1	Pr.1434		*1
Ethernet IP address 2	Pr.1435	0 to 255	*1
Ethernet IP address 3	Pr.1436		*1
Ethernet IP address 4	Pr.1437		*1
Subnet mask 1	Pr.1438	255 (Default value)	*1 *2
Subnet mask 2	Pr.1439	255 (Default value)	*1 *2
Subnet mask 3	Pr.1440	255 (Default value)	*1 *2
Subnet mask 4	Pr.1441	0 (Default value)	*1 *2

*1: Settings of the GOT can be changed. When changing the settings, also change the settings of the inverter.

*2: Change the settings depending on the operation environment.

*3: Because the default value of the inverter is "0: disabled", change the value to 1 or 2 when using PLC function. [Additional Explanation]

When trying to monitor the devices of the PLC such as X and Y at the time when Pr.414 "PLC function operation selection" is "0: disabled", the system alarm "322 Dedicated device is out of range. Confirm

device range." is output.

4.2 The Input Terminal Assignment Settings

In this sample, operation commands are input on the GOT screen with the following functions of input terminals. The input terminals and the assigned functions are listed in the table below.

Item	Parameter	Set Value	Function
RL terminal function selection	Pr.180	0	Low-speed operation command
RM terminal function selection	Pr.181	1	Middle-speed operation command
RH terminal function selection	Pr.182	2	High-speed operation command

4.3 The Output Terminal Assignment Settings

In this sample, the functions are assigned to the output terminals and the output signals are displayed on the GOT screen. The output terminals and the assigned functions are listed in the table below.

Item	Parameter	Set Value	Function
Output Terminal ABC	Pr.192	99	Abnormal

5. SCREEN SPECIFICATIONS

5.1 Screen Specifications

This section explains the details of the screens in this sample. Operations performed according to instructions in the screens described as "***execution" in this manual.

5.1.1 Common Items of Each Screen

	2		
1	Batch Monitor 1		▲ 03/27/2020
	St. St.12 Axis 1		13.34
	No. Name	Present Value	No. Name Present Value
	1 Output Frequency	123.45 Hz	11 Converter Output Voltage 1234.5V
	2 Output Current	1234.56 A	12 Output Power 1234.56 kW
	3 Output Voltage	1234.5V	13 Load Meter 123.4%
	4 Frequency Setting Value	123.45 Hz	14 Motor Excitation Current 1234.56 A
	5 Speed/Machine Speed	12345	15 Cumulative Energization Time 12345 h
	6 Motor Torque	123.4%	16 Actual Operation Time 12345h
	7 Converter Output Voltage	1234.5V	17 Motor Load Factor 123.4%
	8 Regenerative Brake Duty Electronic Thermal O/L Relay	123.4%	18 Cumulative Power 12345.67kW
	⁹ Load Factor	123.4%	19 Torque Command 123.4%
	10 Output Current Peak Value	1234.56 A	20 Torque Current Command 123.4%
	Batch	Alarm Hist	tory Machine Inverter Life
_	Monitor	(Inverter	
8	9		
 [Option Settin [System Alar Description 1. Switches to 2. Displays the name can No.1 to 16 3. Notifies use Touch this 4. Displays the 5. Displays to Displ	ngs] screen (B-32000) m (GOT)] screen (B-32001) o [Station Number Switching e station number and the be changed to the name sp of the comment group No.3 ers of the alarm occurrence icon to switch to [Alarm His e current date and time. To option Settings] screen.] screen. axis name ecified by 40. of the inver tory (Inver uch the da	te selected on [Station Number Switching] screen. Axis y the user. When changing the axis name, edit comment verter. Lights red when an alarm is occurring. rter)] screen. ate and time to switch to [Option Settings] screen. f the GOT. Lights yellow when an alarm is occurring.
9. Switches b switch the		ue switch	that indicates the currently displayed screen does not creen.

Main Menu 03/13/2020 15:13 2 Status 2 2 2
1 Startup ?
Parameter (List) Parameter (Bookmark) Op. Cmnd (Op. Procedure) Op. Cmnd (Op. during inv. op.)
Operation ?
Batch Monitor
Maintenance ?
Alarm History (Inverter) Machine Diagnosis Diagnosis
Outline This serves is displayed when twrning on the comple server. Each function serves can be switched to from
this screen.
Description
 Switches between the screens. Switches to [Manual Display] screen. "3. Parameters" of "INVERTER FR-E800 Instruction Manual (Function)" is displayed in Startup and
Operation. "2. Protective Functions" of "INVERTER FR-E800 Instruction Manual (Maintenance)" is displayed in Maintenance.
 Remarks Reads the data required for the operation of the sample screen everytime the main menu is displayed after
turning on the GOT. The screen cannot be operated during reading the data.
This screen is displayed when turning on the sample screen. Each function screen can be switched to from this screen. Description 1. Switches between the screens. 2. Switches to [Manual Display] screen. "3. Parameters" of "INVERTER FR-E800 Instruction Manual (Function)" is displayed in Startup and Operation. "2. Protective Functions" of "INVERTER FR-E800 Instruction Manual (Maintenance)" is displayed in Maintenance. Remarks • Reeads the data required for the operation of the sample screen everytime the main menu is displayed after

5.1.3 Parameter (List) (B-12100)

Parameter (List) 1 St. St. 1 Axis 1 Parameter Storage (Recipe) Regl. No. Name 0 Torque boost	2020 २ २ ३ 15:13 २ २ 4
2 Parameter Storage (Recipe) Regl. No. Name	? 4
2 Storage (Recipe) Copy (Recipe) Regi. No. Name	
✓ 0 Torque boost	1 2 Set Value
✓ 1 Maximum frequency	2.000 %
2 Minimum frequency	0.000 Hz
 3 Base frequency 4 Multi-speed setting (high speed) 	60.000 Hz
5 Multi-speed setting (middle speed)	60.000 Hz 30.000 Hz
✓ 6 Multi-speed setting (low speed)	10.000 Hz
7 Acceleration time 8 Deceleration time	5.000 s 5.000 s
9 Electronic thermal O/L relay/Rated motor current	0.680 A
Parameter Parameter Op. Cmnd (List) (Op. Procedure) (Op.	Op. Cmnd . during inv. op.)
Outline	
This screen is used to display and set the parameters of the inverter connected	ed to the GOT.
 Description Switches between the screens. Displays parameter names and set values. Touch the set values to change Touch the switches in [Regi.] column to register the parameters as a display them in [Parameter (Bookmark)] screen. Touch the switch again to deselect the registered bookmarked parameters Switches to [Manual Display] screen. (Displayed manual: "3. Parameters" of "INVERTER FR-E800 Instruction Displays the current page number and the total number of pages of Parameters the current page of the parameters. 	bookmarked parameters and rs. Manual (Function)")

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5.1.4 Parameter (Bookmark) (B-12110)

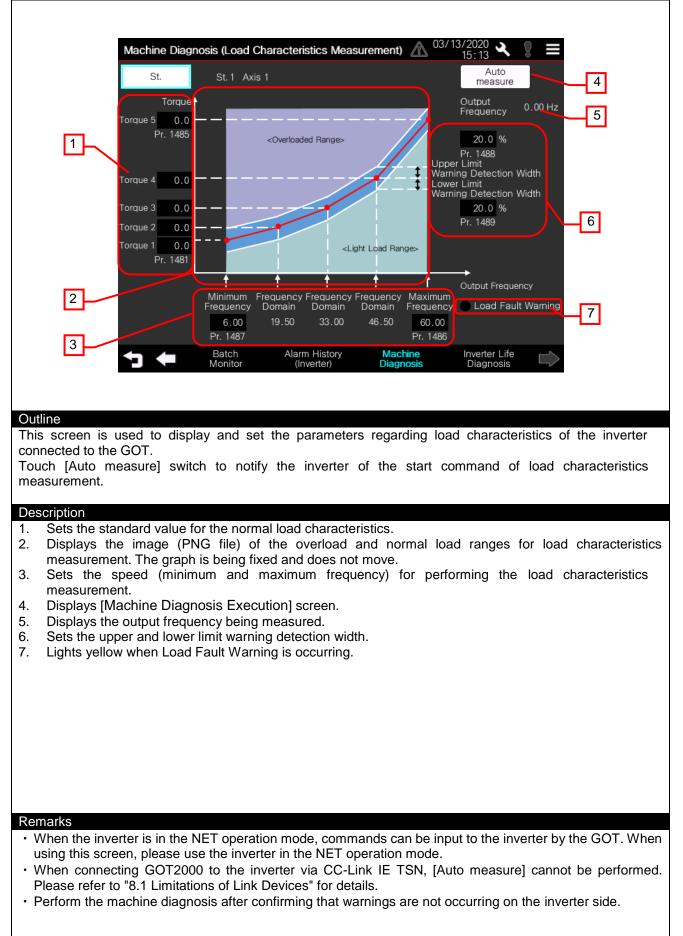
	Parameter (Bookmark)	▲ ^{03/13/2020} → 및 =	=2
	St. St. 1 Axis 1		?3
1	No. Name 0 Torque boost 1 Maximum frequency 3 Base frequency 6 Multi-speed setting (low speed) 9 Electronic thermal O/L relay/Rated motor	Set Value 2.000 % 100.000 Hz 60.000 Hz 10.000 Hz 0.680 A	4
	Parameter Parameter (Bookmark)		
Outline	ad to display and act the personators	registered in the Decomptor (List) of	
Description	ed to display and set the parameters	registered in the Parameter (List) s	creen.
 Displays particular Switches to (Displayed r Displays the the current particular 	rameter names and set values. Touc [Manual Display] screen. nanual: "3. Parameters" of "INVERTI current page number and the total n bage number to change the page to c e displayed page of the parameters.	ER FR-E800 Instruction Manual (Fur number of the pages of Parameter (E	
Remarks			
 The units of th Bookmark reg When inputtin 	e parameters cannot be changed. istration is common in the all station g the value which is out of the settir Correct device." occurs.		alarm "315 Device

Op. Cmnd (Op. Procedure)	▲ 03/13/2020 🔾 🔋 🔳
St. St. 1 Axis 1	
S T E P 1 Operation Command Selection	
Low Middle High Speed Speed Speed	Running Or 19.00
S T E P 2 Operation Command Notification	
2 Forward Reverse Stop	
S T E P 3 Monitor with Operation Command (Op. du	ring inv. op.)
3 Op. Cmnd (Op. during lirv. op.)	
Parameter Parameter 0	p. Cmnd Op. Cmnd
	p. Cmnd Op. Cmnd Procedure) (Op. during inv. op.)
Outline This screen explains how to execute operation commands to	o the inverter connected to the GOT.
Operation commands are performed according to the order	
Description	
 Description Sets the speed or the operation frequency of the inverter 	er operation.
1. Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] st	
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] switch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]).
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] sy switch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The motion in the value input a speed operation command. The motion is a speed operation command is a speed operat	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] switch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] switch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The mot of each switch. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] system) Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The moto of each switch. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] system) Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The moto of each switch. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] switch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The mot of each switch. Switches to [Op. Cmnd (Op. during inv. op.)] screen. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] stanswitch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The mot of each switch. Switches to [Op. Cmnd (Op. during inv. op.)] screen. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation for rotates and stops according to the operation for rotates and stops according to the operation
 Sets the speed or the operation frequency of the inverter Low Speed/Middle Speed/High Speed : Selects the speed operation ([Low S Touch [STOP] sweets witch. Running Frequency (Hz) : Sets the operation inputting a nume frequency by 1Hz the value input a 3-speed operation have priority. Notifies the inverter of the operation command. The mot of each switch. Switches to [Op. Cmnd (Op. during inv. op.)] screen. 	d of the inverter operation from 3-speed Speed], [Middle Speed] or [High Speed]). witch to deselect the selected speed operation in frequency of the inverter. Sets the frequency by ric value or incrementing or decrementing the with touch switches on the left and right sides of area (the switches can be held down). When in is enabled, the settings of 3-speed operation for rotates and stops according to the operation for rotates and stops according to the operation ds can be input to the inverter by the GOT. When ation mode. Ink IE TSN, [Forward] or [Reverse] cannot be

Op. Cmnd (Op. during inv. op.) ▲ 03/13/2020 ▲ 15:13 ▲ 15:13
St. St. 1 Axis 1 1 St. St. 1 Axis 1 1 St. St. 1 Axis 1 1 St. St. 1 Axis 1 1 Stop Operating Status of Inverter Stop Onerating Status of Inverter Stop Onerating Status of Inverter Stop Onerating Status of Inverter Stop Onerating Status of Inverter Stop
Low Middle High Speed Forward Reverse Running
Parameter (List) Parameter (Bookmark) Op. Cmnd (Op. Cmnd (Op. during inv. op.)
Outline This screen is used to execute operation commands and operate the inverter connected to the GOT.
Description 1. The output frequency and the output current are displayed. The panel meters operate with the numerical displays. 2. Displays the inverter status. Operating Status of Inverter : Displays Stop/Forward Rotation/Reverse Rotation/Machine Error Occurring. Inverter Fault : Lights red when an ALM (fault) is occurring.
 Remarks When the inverter is in the NET operation mode, commands can be input to the inverter by the GOT. When using this screen, please use the inverter in the NET operation mode. When connecting GOT2000 to the inverter via CC-Link IE TSN, [Forward] or [Reverse] cannot be executed. Please refer to "8.1 Limitations of Link Devices" for details. "Machine Error Occurring" is displayed when an ALM (fault) is occurring. Selection status of 3-speed operation switch is the status selected in the GOT last time.

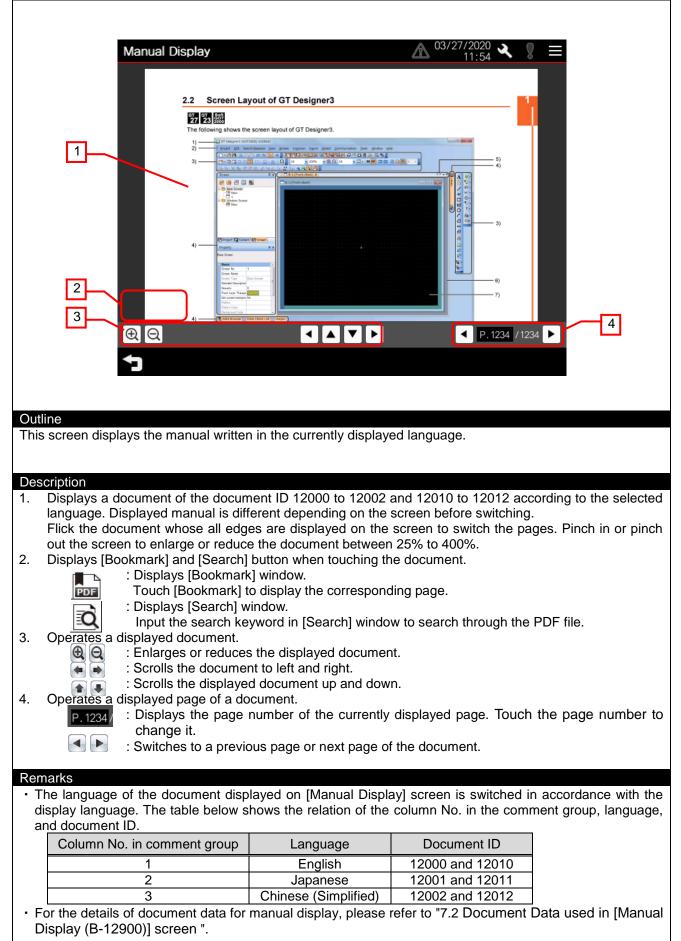
2 Output Current 0.00A 12 Output Power 0.00 kW	St. St. 1 Axis 1 No. Name Present Value No. Name Present Value 1 Output Frequency 0.00Hz 11 Converter Output Voltage 298.9V 2 Output Current 0.00A 12 Output Power 0.00kW 3 Output Voltage 0.0V 13 Load Meter 0.00A 4 Frequency Setting Value 19.00Hz 14 Motor Excitation Current 0.00A 5 Speed/Machine Speed 0r/min 15 Cumulative Energization Time 73h 6 Motor Torque 0.0% 16 Actual Operation Time 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kW 9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% Image: Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Image: Command <	St. 1 Axis 1 Name				
No. Name Present Value No. Name Present Value 1 Output Frequency 0.00 Hz 11 Converter Output Voltage 298.9V Image: Converter Output Voltage 298.0V Image: Converter Output Voltage 298.0	No. Name Present Value No. Name Present Value Present Peak Value Present Value	Name			<u> </u>	3 • • -
No. Name Value No. Name Value 1 Output Frequency 0.00 Hz 11 Converter Output Voltage 298.9 V 2 Output Current 0.00 A 12 Output Power 0.00 kw 3 Output Voltage 0.0V 13 Load Meter 0.00 Kw 4 Frequency Setting Value 19.00 Hz 14 Motor Excitation Current 0.00 A 5 Speed/Machine Speed 0r/min 15 Cumulative Energization Time 73 h 6 Motor Torque 0.0% 16 Actual Operation Time 0.0% 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00 kw 9 Load Factor 0.0% 19 Torque Command 0.0% Image: Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Image: Command 0.0%	Not. Name Value Not. Name Value Val					
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2 Output Current 0.00A 12 Output Power 0.00 kw 3 Output Voltage 0.0V 13 Load Meter 0.0% 4 Frequency Setting Value 19.00 Hz 14 Motor Excitation Current 0.00A 5 Speed/Machine Speed 0r/min 15 Cumulative Energization Time 73h 6 Motor Torque 0.0% 16 Actual Operation Time 0h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kw 9 Load Factor 0.0% 19 Torque Command 0.0% Image: Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Image: Command 0.0%	2 Output Current 0.00A 12 Output Power 0.00H 3 Output Voltage 0.0V 13 Load Meter 0.0% 4 Frequency Setting Value 19.00Hz 14 Motor Excitation Current 0.00A 5 Speed/Machine Speed 0.r/min 15 Cumulative Energization Time 73h 6 Motor Torque 0.0% 16 Actual Operation Time 70h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 19 Torque Command 0.0% 0 9 Load Factor 0.0% 19 Torque Command 0.0% 0 Torque Command 0.0% 0 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% 0	Output Frequency		11	Converter Output Voltage Peak Value	
4 Frequency Setting Value 19.00 Hz 14 Motor Excitation Current 0.00A 5 Speed/Machine Speed 0r/min 15 Cumulative Energization Time 73h 6 Motor Torque 0.0% 16 Actual Operation Time 0h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kw 9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% Image: Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Image: Command Image: Command </th <td>4 Frequency Setting Value 19.00Hz 14 Motor Excitation Current 0.00A 5 Speed/Machine Speed 01/min 15 Cumulative Energization Time 73h 6 Motor Torque 0.0% 16 Actual Operation Time 0h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kw 9 Load Factor 0.0% 19 Torque Command 0.0% Image: Command Image: Co</td> <td>Output Current</td> <td>0.00A</td> <td>12</td> <td></td> <td>0.00 kW</td>	4 Frequency Setting Value 19.00Hz 14 Motor Excitation Current 0.00A 5 Speed/Machine Speed 01/min 15 Cumulative Energization Time 73h 6 Motor Torque 0.0% 16 Actual Operation Time 0h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kw 9 Load Factor 0.0% 19 Torque Command 0.0% Image: Command Image: Co	Output Current	0.00A	12		0.00 kW
5 Speed/Machine Speed 0r/min 15 Cumulative Energization Time 73 h 6 Motor Torque 0.0% 16 Actual Operation Time 0 h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kW 9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0%	Speed/Machine Speed 01/min 15 Cumulative Energization Time 73h Motor Torque 0.0% 16 Actual Operation Time 0h 7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.0% 0.0% 9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Torque Current Command 0.0% Torque Current Command 0.0% Torque Current Command Torque Current Current Command Torque Current Command	Output Voltage	0.0V	13	Load Meter	0.0%
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7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00kw 9 Electronic Thermal O/L Relay Load Factor 0.0% 19 Torque Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Batch	7 Converter Output Voltage 298.0V 17 Motor Load Factor 0.0% 8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.0% 0.0% 9 Load Factor 0.0% 19 Torque Command 0.0% 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Torque Current Command 0.0% Torque Current Command 0.0% Torque Current Command Torque Current Life Torque Current State Torque Current Command Torque Current Life Torque Current Command Torque Current State Torque Current Current State Torque Current Current Current State Torque Current Current Current State Torque Current	Speed/Machine Speed	0 r/min	15	Cumulative Energization Time	73 h
8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.00 kw 9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% 10 Output Current Peak Value 0.00 A 20 Torque Current Command 0.0% Batch Alarm History Machine Inverter Life	8 Regenerative Brake Duty 0.0% 18 Cumulative Power 0.0% 0.0% 9 Load Factor 0.0% 19 Torque Command 0.0% 0.0% 10 Output Current Peak Value 0.00 A 20 Torque Current Command 0.0% Image: Current Command 0.0% Image: Current Command 0.0% Image: Current Command 0.0% Image: Current Command Image: Current Current Command Image: Current Current Curre	Motor Torque	0.0%	16	Actual Operation Time	Oh
9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% Batch Alarm History Machine Inverter Life	9 Electronic Thermal O/L Relay 0.0% 19 Torque Command 0.0% 20 Torque Current Command 0.0% 20 Torque Current Command 0.0% 30 Torque Current C	Converter Output Voltage	298.0∨	17	Motor Load Factor	0.0%
Load Factor Load Fact	Torque Command 10 Output Current Peak Value 0.00A 20 Torque Current Command 0.0% 10 Eatch Alarm History Machine Inverter Life Diagnosis 10 Inverter Batch Alarm History Machine Diagnosis Inverter Life 10 Inverter Diagnosis Inverter Life Diagnosis Inverter Life 11 Inverter Nonitor Inverter Diagnosis Diagnosis			18	Cumulative Power	0.00 kW
Batch Alarm History Machine Inverter Life	Alarm History Machine Inverter Life Diagnosis Diagnosis	Electronic Thermal O/L Relay Load Factor	0.0%	19	Torque Command	0.0%
Batch Monitor Alarm History (Inverter) Machine Diagnosis Inverter Life Diagnosis	n is used to monitor the monitoring items of the inverter connected to the GOT in a batch.	Output Current Peak Value	0.00A	20	Torque Current Command	0.0%
Alarm History Machine Inverter Life Diagnosis	en is used to monitor the monitoring items of the inverter connected to the GOT in a batch.					
	n is used to monitor the monitoring items of the inverter connected to the GOT in a batch. ys names and the current values of monitoring items	Batch Monitor	Alarm Hist (Inverter	ory	Machine Invert Diagnosis Diag	ter Life
	plays names and the current values of monitoring items	to monitor the monitori	ng items c	of the	e inverter connected to	the GOT in a batch.
on					-	
on ays names and the current values of monitoring items						
n ays names and the current values of monitoring items						
s names and the current values of monitoring items						
			Speed/Machine Speed Motor Torque Converter Output Voltage Regenerative Brake Duty Electronic Thermal O/L Relay Load Factor Output Current Peak Value Batch Monitor to monitor the monitori	Speed/Machine Speed 0 r/min Motor Torque 0.0% Converter Output Voltage 298.0V Regenerative Brake Duty 0.0% Electronic Thermal O/L Relay 0.0% Output Current Peak Value 0.00A Image: Speed	Speed/Machine Speed 0r/min 15 Motor Torque 0.0% 16 Converter Output Voltage 298.0V 17 Regenerative Brake Duty 0.0% 18 Electronic Thermal O/L Relay 0.0% 19 Output Current Peak Value 0.00A 20 Image: Speed Machine Speed Alarm History (Inverter) Image: Speed Machine Spe	Speed/Machine Speed 0r/min 15 Cumulative Energization Time Motor Torque 0.0% 16 Actual Operation Time Converter Output Voltage 298.0V 17 Motor Load Factor Regenerative Brake Duty 0.0% 18 Cumulative Power Electronic Thermal O/L Relay 0.0% 19 Torque Command Output Current Peak Value 0.00A 20 Torque Current Command Output Current Peak Value 0.00A 20 Torque Current Command Monitor Alarm History Machine Diagnosis Inver Diagnosis Invertional State Noter Diagnosis Inver

	Alarm Histe	ory (Inverter)			A 03/	18:46	V =	3
_	St.	St.12 A	kis 1			10.40	?	
1	Current	E.OC1		t Trip During				
	Fault Symbol	Na	Acceleratio me		tput Output Pow	er-on Occ	urred At	
	Latest E.OC1	Overcurrent Trip Acceleration	During		.45A 1234.5V 123		/12 12:12:00	
2		Overcurrent Trip	During	123.45Hz 123	.45A 1234.5V 123	456h 1234/12	/12 12:12:00	
		Overcurrent Trip Acceleration	During	123.45Hz 123	.45A 1234.5V 123	456h 1234/12	/12 12:12:00	
	4III E.OCT	Overcurrent Trip Acceleration		123.45Hz 123	.45A 1234.5V 123	456h 1234/12	/12 12:12:00	
	JUL E.OCI	Overcurrent Trip Acceleration Overcurrent Trip			.45A 1234.5V 123			
	BUIL E.OCT	Acceleration			.45A 1234.5V 123	_		4
	/th E.OCT	Acceleration Overcurrent Trip			.45A 1234 .5V 123			5
	BUT E.OCT	Acceleration		r can be perform	.45A 1234 .5V 123 ed Inve		Alarm	_
			with a 3-seco	ond long press.	Re	set	All Clear	
	1 (Batch Monitor		n History verter)	Machine Diagnosis	Inverter Lif Diagnosis		
screen in nected to	is used to con the GOT.	firm the fau	ilt (failure)) currently o	ccurring and	the alarn	n history o	of the inverte
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
nected to cription Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail
s screen i nected to Displays Displays Switches (Displaye (Mainten Executes Use this currently	the GOT. the fault (failu the alarm hist to [Manual D ed manual: "2. hance)"). the inverter r s sthe inverter r s switch when y occurring.	re) currently ory of the la isplay] scree Protective l eset. (Opera performing	v occurring test eightl en. Functions ates when g the inve	g. h faults (failu " of "INVERT h holding dov erter reset a	re). ER FR-E80 /n the switch fter complet	D Instruction for 3 section ing dealin	on Manua onds). ng with th	ıl he fault (fail



5.1.10 Inverter Life Diagnosis 1 to 2 (B-12320 to 12321)

Inv	erter Life Diagnosis1		▲ 03/2	26/2020 🔌 🌹 18:47 🔍	
	St. St.12 Axis 1	1			
	The measured life sho The actual life may va If any abnormality is c	ary depending on app	lications and the inst	allation environmen	
War	ning Name Main Circuit Capacitor	Life The last m	Details easured value		
	(standard model /IP55 compatible model)	100 % of main cir 85% or les	cuit capacitor life is s s is a guideline for re	placement	
	Main Circuit Capacitor estimated (standard model /IP55 compatible model)	the remaining life 100 % without stoppin When the value	power supply cannot be turned e of the main circuit capacitor o g the operation. falls below 10, it is recommend	οπ, an be estimated led to replace the capacitor.	2
	Control-Circuit Capacitor	100 % When the	value is 10% or less, nmended to replace i		
	Inrush Current Limit Circuit (standard model /IP55 compatible model)		value is 10% or less, nmended to replace i		
	Power cycle	100.00 % When the	life of the inverter mo value is 15% or less, mended to replace it.		▼
•	Batch Monitor	Alarm History (Inverter)	 Machine Diagnosis	Inverter Life Diagnosis	
	Monitor	(interes)	Bidghoolo	Diagnotic	
Outline					
	s the life information of	f the inverter par	ts connected to	the GOT.	
Description 1. Displays the life	e information of the inv	erter parts			
When reaching	the life alarm output le e information of the in	evel, and the inv		e warning, <u>!</u> i	s displayed.
z. Switches the lin			spiay.		
Remarks					
	available only for coat	ted models(-60).			
	available only for coat	ted models(-60).			
	available only for coat	ted models(-60).			



5.1.12 Station Number Switching (B-14000)

is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. witches to the previously displayed screen. Marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D				Station Num	ber Switching		×	
tine screen is used to switch the station which the GOT monitors. Scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen.								
tine screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen.								
tine is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. Marke This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D			St. 1	St. 2	St. 3	St. 4		
tine s creen is used to switch the station which the GOT monitors. Scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen.			St. 5	St. 6	St. 7	St. 8		
tine is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D			St. 9	St. 10	St. 11	St. 12		
is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. witches to the previously displayed screen. Marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D			St. 13	St. 14	St. 15	St. 16		
is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D								
is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D								
Switches to the previously displayed screen.								
is screen is used to switch the station which the GOT monitors. Scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. Switches to the previously displayed screen. Server a station screen screen uses the station No. switching function of GOT2000. Please refer to "GT D								
is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D								
is screen is used to switch the station which the GOT monitors. scription Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen. marks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT D								
Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen.	ine							
Touch the station to switch the station for monitoring to the touched station. Switches to the previously displayed screen.		sed to switch	the station v	vhich the GO	T monitors.			
Switches to the previously displayed screen.		sed to switch	the station v	vhich the GO	T monitors.			
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription					shad atation		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
emarks This sample screen uses the station No. switching function of GOT2000. Please refer to "GT Do (GOT2000) Screen Design Manual" for the details of the station No. switching function.	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
This sample screen uses the station No. switching function of GOT2000. Please refer to "GT De	screen is us cription Touch the s	tation to swi	tch the statio	n for monitori		ched station.		
(GOIZ000) Screen Design Manual for the details of the station No. switching function.	s screen is us cription Touch the s Switches to	tation to swi	tch the statio	n for monitori		ched station.		
	s screen is us cription Touch the s Switches to Switches to	tation to swi the previous	tch the statio sly displayed	n for monitori screen. No. switching	ing to the touc	GOT2000. Pla	ease refer t	o "GT Desig

5.1.13 Parameter Storage (Recipe) (B-14100)

	1		Parameter Sto	orage (Recipe)		>	4
		Axis 1		Update Date a	and Time		5
		St. 1	St. 2	St. 3	St. 4]	
	2	St. 5	St. 6	St. 7	St. 8		
		St. 9	St. 10	St. 11	St. 12		
		St. 13	St. 14	St. 15	St. 16	J	
			Backup (INV→GOT)	Restoration (INV←GOT)			
		3			6		
	used to back u	up/restore the	e parameters	of the specifie	d station nur	nber with	the recipe funct
escription Displays to Touch the Touch the confirmation Switches Displays to Touch the	the axis name e station to sel e switch to st ion dialog at th to the previou the update dat	of the selecte ect the station ore the para he time of exe sly displayed the and time of the parame	ed station. n to back up/i meters of the ecution. screen. f the recipe fil	restore. e inverter in the select	he recipe fi ed station.	le of the	the recipe functi GOT. Displays ays the confirma
escription Displays t Touch the Touch the confirmati Switches Displays t Touch the	the axis name e station to sel e switch to st ion dialog at th to the previou the update dat e switch to writ	of the selecte ect the station ore the para he time of exe sly displayed the and time of the parame	ed station. n to back up/i meters of the ecution. screen. f the recipe fil	restore. e inverter in the select	he recipe fi ed station.	le of the	GOT. Displays
escription Displays t Touch the Touch the confirmati Switches Displays t Touch the	the axis name e station to sel e switch to st ion dialog at th to the previou the update dat e switch to writ	of the selecte ect the station ore the para he time of exe sly displayed the and time of the parame	ed station. n to back up/i meters of the ecution. screen. f the recipe fil	restore. e inverter in the select	he recipe fi ed station.	le of the	GOT. Displays
escription Displays t Touch the Touch the confirmati Switches Displays t Touch the	the axis name e station to sel e switch to st ion dialog at th to the previou the update dat e switch to writ	of the selecte ect the station ore the para he time of exe sly displayed the and time of the parame	ed station. n to back up/i meters of the ecution. screen. f the recipe fil	restore. e inverter in the select	he recipe fi ed station.	le of the	GOT. Displays

	Parameter Copy (Recipe)
[]	$\begin{array}{c} STEP1 \\ Stelect Source \\ St.1 \\ St.2 \\ St.3 \\ St.9 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.5 \\ St.6 \\ St.7 \\ St.8 \\ St.9 \\ St.10 \\ St.11 \\ St.12 \\ St.13 \\ St.14 \\ St.15 \\ St.16 \\ St.10 \\ St.11 \\ St.12 \\ St.10 \\ St.11 \\ St.12 \\ St.10 \\ St.11 \\ St.10 \\ $
function of anoth copy. Description 1. Selects the c 2. Executes the 3. Switches to t 4. Selects the c	e backed up with the recipe function in [Parameter Storage (Recipe)] screen to the recipe her station. When reflecting the copied set value to the inverter, execute restoration after sopy source station of the recipe function. The selected station lights green. A copy of the parameter recipe. The previously displayed screen without executing the copy of the parameter recipe. Sopy destination station of the recipe function. Multiple stations are selectable. The selecte green. When selecting the station lights green again, the station is deselected.
Remarks	

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5.1.15 Backup Execution (B-14103)

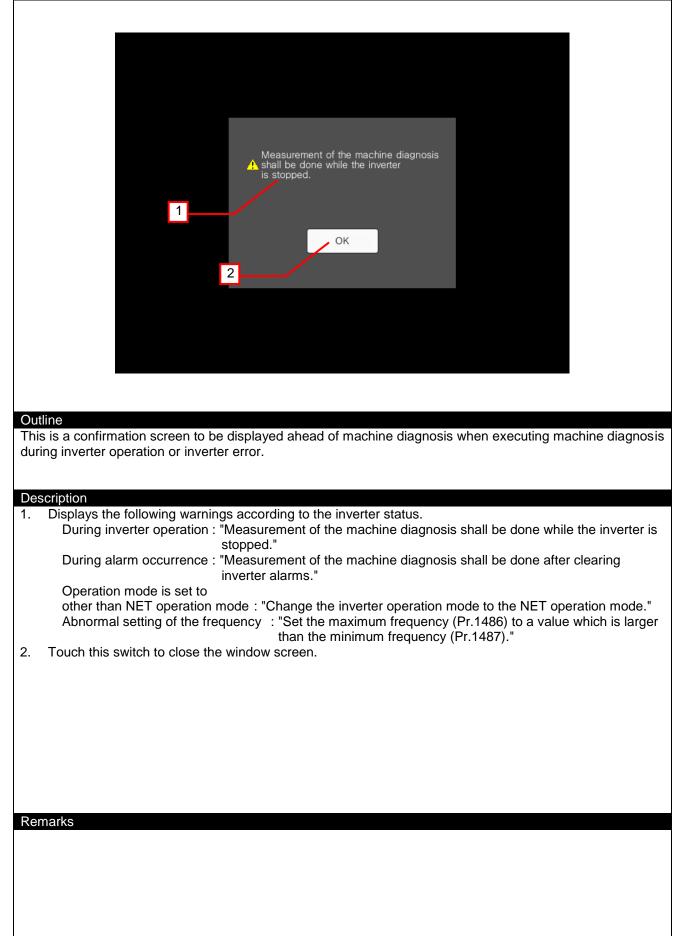
5.1.16 Restoration Execution (B-14104)

1						
	1	S T E P 1 This will start the restor Do you want to procee	ation process. d?	3ок	Cancel	4
			2	_		
		STEP2				5
		Restoring the paramete Please wait for a while.	r from the recipe file.		100%	Í
				7		
		STEP3			4	
		Finished the restoration	process.	ок		
	itline				n the recipe file	
In	is screen is disp	ayed when restoring	g the parameters of	of the inverter from	n the recipe life.	
De	escription					
1. 2. 3. 4.	Displays the completed step When the proc Executes the r Switches to the	execution steps of p light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process.	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4. 5.	Displays the o completed step When the proo Executes the r Switches to the Notifies the us	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4. 5.	Displays the completed step When the proc Executes the r Switches to the	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4. 5.	Displays the o completed step When the proo Executes the r Switches to the Notifies the us	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	
1. 2. 3. 4. 5.	Displays the o completed step When the proo Executes the r Switches to the Notifies the us	o light sky blue. cess switches to the estoration process. e previously displaye	next step, the arro	ow icon lights whi	te.	

1	S T E P 1 Copying the parameter to the recipe file. Please waif for a while.	100%
	Please wait for a while.	
	STEP2 Finished the copy process.	ОК 4
Outline		
	played when copying the parameters of the inverte	er from the recipe file.
 Displays the step light sky When the pro Notifies the u 	execution steps of [Copy Execution] screen. The y blue. ocess switches to the next step, the arrow icon ligh user of the progress status of the copy. The progress the previously displayed screen.	ts white.
Remarks		
Remarks		

5.1.18 Machine Diagnosis Execution (B-14301)

STEP1 Automatic torque measurement starts. Please note that frequency of selected inverter will rise to the load characteristics maximum frequency (Pr.1486). Check the following points before starting the measurement. - There is no safety problems after the inverter starts rotating. - Operating only the selected inverter does not cause damage to the equipment. 4
2 Machine diagnosis in progress. Please wait a moment. 3 STEP 3 Measurement is completed by an activation of a protective function, inverter reset, turning ON of MRS signal, turning OFF of the start command, or timeout. 7 100% 100% 100% 100% 100% 100% 100%
Outline This screen is displayed when executing the machine diagnosis (load characteristics measurement). Description 1. Displays the execution steps of the machine diagnosis (load characteristics measurement). The step during execution and completed step light sky blue. 2. Displayed when the machine diagnosis ends abnormally. 3. Displays the status of the machine diagnosis. The following messages are displayed. Machine diagnosis completion :"Machine diagnosis is completed successfully." Machine diagnosis abnormality :"Measurement is completed by an activation of a protective function, inverter reset, turning ON of MRS signal, turning OFF of the start command, or timeout." 4. When the process switches to the next step, the arrow icon lights white. 5. Executes the machine diagnosis (load characteristics measurement).
 Executes the machine diagnosis (load characteristics measurement). Switches to the previously displayed screen. Notifies the user of the progress status of the machine diagnosis (load characteristics measurement). The progress is displayed as 0%, 20%, 40%, 60%, 80% or 100%. Remarks



5.1.20 Logging (B-14900)

Logging 03/26/2020 Image: Comparison of the specified station number and the data of the inverter to display them as a graph. Set the device of the inverter to the label (GT Designer3) and change the logging trigger. 1 1 2 0.0000 3 0.0000 06:55:39 12345.000 4 12345.000
Outline This is the screen part that the device can be displayed as a historical trend graph by setting the device of the inverter to monitor by user.
 Description Displays the data collected by logging as a historical trend graph. Operates the historical trend graph. : Switches the displayed page of the historical trend graph. : Scrolls the historical trend graph. : Moves the cursor displayed in the historical trend graph. : Enlarges/reduces the time axis of the historical trend graph. : Updates the monitor device of the target device and the information of the cursor position when the cursor is displayed in the historical trend graph. Displays the beginning position time of the waveform displayed in the historical trend graph.
 Remarks • [Go To Screen] switch to [Logging] screen is not placed. [Go To Screen] switch to [Logging] screen needs to be created by the user.
 The target device of the logging is the device set to "flt_Logging_dev" of the label group No.121 "INV_E800_Label" in label (GT Designer 3). Because "GD19990" is set in the default setting, change the device to the device of the inverter to perform the logging. This screen is excluded from the target of station number switching. For the details of the station No. switching function, please refer to "GT Designer3 (GOT2000) Screen Design Manual". Logging trigger cannot be operated in the default setting. Therefore change the settings of the logging trigger according to the timing to perform logging.

4
Option Settings
1 Language Setting
English 日本語 中文(简体)
2 Clock Setting 03/26/2020 19:16:59 Year Month Day 2018 ▼ ▲ 08 ▼ ▲ 01 ▼ ▲
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Outline This screen is used to change the displayed language and the clock data of the GOT.
Description
 Touch the switch to switch the language. Displays the current date and time. Change the date and time with ▼▲ switches. Holding down the ▼▲ switches increases or decreases the numbers consecutively. Touch C switch to set "0" to the second. Switches to the previously displayed screen. Touch this switch to update the GOT clock data with the newly set date and time.
Remarks

	2
	System Alarm (GOT)
-	
L	Confirm device range. DEV:Ch1 X1000/OVL3:
	3
	Alarm Reset
Outline	
	s used to check the system alarms of the GOT currently occurring.
Description	
1. Displays	the system alarms currently occurring. (Maximum 12 system alarms are displayed.) e displayed system alarm to scroll the message.
2. Switches	e usplayed system alarm to scrule the ssage.
	to the previously displayed screen.
	to the previously displayed screen. ystem alarms currently occurring.
	to the previously displayed screen.
3. Resets s	to the previously displayed screen.
	to the previously displayed screen.
3. Resets s	to the previously displayed screen.
3. Resets s	to the previously displayed screen.
3. Resets s	to the previously displayed screen.
3. Resets s	to the previously displayed screen.

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5.2 Screen Operation

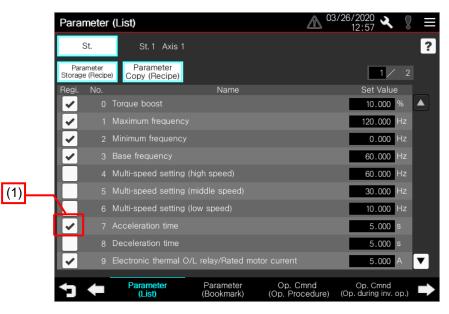
5.2.1 How to Register/Remove Parameters in [Parameter(Bookmark)]

How to register/remove parameters in [Parameter (Bookmark)] screen is as below.

How to register parameters in [Parameter (Bookmark)] screen

Example: Register "Pr.7 Acceleration time" in [Parameter (Bookmark)].

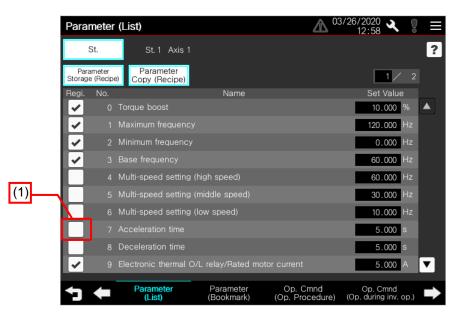
(1) Touch the registration (Regi.) switch placed on the line of "Pr.7 Acceleration time" in [Parameter (List)] screen to check.



(2) Switch to [Parameter (Bookmark)] screen to confirm that "Pr.7 Acceleration time" is displayed.

	Para	meter (Bo	okmark)			3/26/2020 🔾 12:52 🔍	0 ≡	
		St.	St. 1 Axis 1				?	
						1 /		
	No.			Name		Set Value		
	0	Torque bo				10.000	%	
	1	Maximum	frequency			120.000	Hz	
(2)	2	Minimum f	requency			0.000	Hz	
. ,	3	Base frequ	iency			60.000	Hz	
	7	Acceleration	on time			5.000		
	9		thermal O/L rel	ay/Rated motor curr		5.000	А	
	5	$\langle \neg$	Parameter (List)	Parameter (Bookmark)	Op. Cmnd (Op. Procedure)	Op. Cmnd (Op. during inv.	op.) 🕩	

- ■How to remove parameters from [Parameter (Bookmark)] screen Example: Remove "Pr.7 Acceleration time" from [Parameter (Bookmark)].
 - (1) Touch the registration (Regi.) switch placed on the line of "Pr.7 Acceleration time" in [Parameter (List)] screen to deselect.



(2) Switch to [Parameter (Bookmark)] screen to confirm that "Pr.7 Acceleration time" is not displayed.

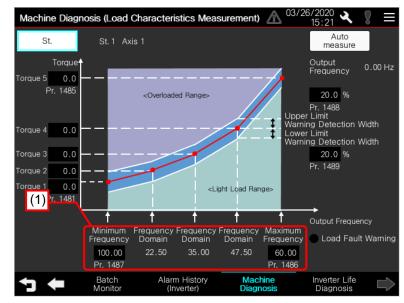
	Para	meter (Bookmark)	⁰³ /	/26/2020 🔌 🌹 15:17 🔍	
		St. St. 1 Axis 1			?
(2)	-			1 / 1	
	NN.	Name		Set Value	
	0	Torque boost		10.000 %	
	1	Maximum frequency		120.000 Hz	
	2	Minimum frequency		0.000 Hz	
	3	Base frequency		60.000 Hz	
	9	Electronic thermal O/L relay/Rated motor curre	nt	5.000 A	
					▼
	5	Parameter Parameter (List) (Bookmark)	Op. Cmnd (Op. Procedure)	Op. Cmnd (Op. during inv. op.)	-

5.2.2 How to Operate Machine Diagnosis (Load Characteristics Measurement)

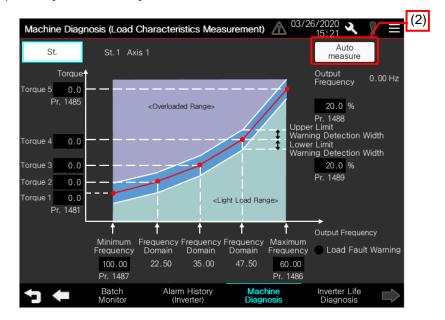
How to perform the load characteristics measurement of the inverter in Machine Diagnosis (Load Characteristics Measurement) screen is as below.

Example: Set "10" to [Minimum Frequency] and "60" to [Maximum Frequency] and perform the load characteristics measurement.

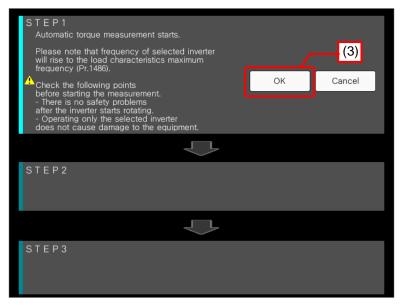
- (1) Set detection range frequency of load characteristics fault.
- Set [Minimum Frequency] and [Maximum Frequency] to set [Frequency Domain] automatically according to the settings.



(2) Touch [Auto measure] switch to execute the auto measure.



(3) [Machine Diagnosis Execution] screen is displayed. Then touch "OK". The inverter starts the load characteristics measurement.

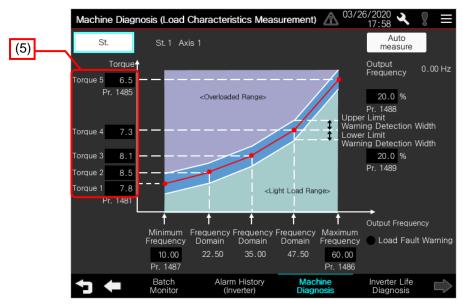


(4) STEP3 is displayed when the load characteristics measurement is completed. Then touch "OK".

STEP1	
Automatic torque measurement starts.	
Please note that frequency of selected inverter will rise to the load characteristics maximum frequency (Pr.1486).	
 Check the following points before starting the measurement. There is no safety problems after the inverter starts rotating. Operating only the selected inverter does not cause damage to the equipment. 	OK Cancel
STEP2	
Machine diagnosis in progress.	100%
Please wait a moment.	10078
•	
STEP3	(4)
Machine diagnosis is completed successfully.	ок

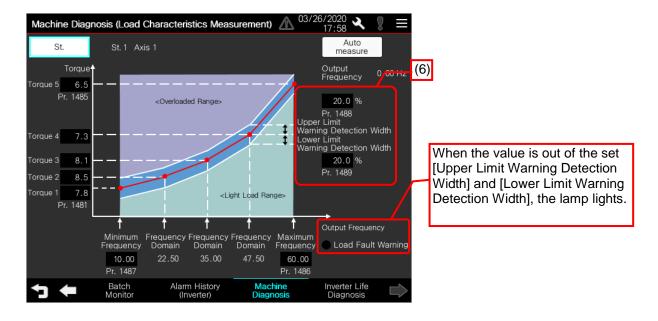
(5) After the measurement is completed, the standard values for load characteristics calculated by the inverter are displayed.

When adjusting the value, touch the value to change it manually.



(6) Set the detection widths (threshold velue) of upper limit and lower limit warnings compared with the standard values for load characteristics.

The default setting of the inverter is 20%.



5.3 Device List

Some of the devices specified to the on-screen switches and lamps, etc., are also used for common settings of functions such as scripts. Using [Batch Edit] is recommended to change these devices in a batch. For the details on [Batch Edit], please refer to "GT Designer3 (GOT2000) Screen Design Manual".

5.3.1 Controller Devices

For the virtual devices of the inverter used in this sample screen, please refer to "GOT2000 Series Connection Manual (Mitsubishi Electric Products)".

5.3.2 GOT Internal Devices

■GB Devices (Unchangeable)

Туре	Device No.	Application
Bit	GB40	Script trigger (Always ON)
DIL	GB41	Logging trigger (Always OFF)

■GB Devices (Changeable)

Туре	Device No.	Application
	GB15000 to GB16499	Bookmark registration status 1 to 1499
	GB16600	Bookmark recipe read completion flag
	GB16605	Bookmark page switch (previous page) execution trigger
	GB16606	Bookmark page switch (next page) execution trigger
	GB16607	Bookmark page switch (previous page) operating condition
		flag
	GB16608	Bookmark page switch (next page) operating condition flag
	GB16610	Bookmark recipe write trigger
	GB16611	Bookmark recipe read trigger
	GB16620 to GB16629	Bookmark display/hide flag (line 1 to 10)
	GB16700	Station No. power-failure backup write trigger
	GB16701	Station No. power-failure backup read trigger
	GB16705	PDF display switch flag
	GB16715	Alarm batch clear operation trigger
	GB16716	Inverter reset operation trigger
	GB16720	Machine diagnosis: measurement start trigger
	GB16721	Machine diagnosis: forward rotation command ON trigger
	GB16735	Recipe backup preparation trigger
	GB16736	Recipe restoration preparation trigger
	GB16750 to GB16765	3-speed operation selection flag (Station No. 1 to 16)
	GB16800	Initialization at GOT startup trigger
Bit	GB16801	Recipe process management script execution trigger
	GB16810 to GB16811	Screen switching tab blue line display/hide flag 1 to 2
	GB16850 to GB16865	Stop command selection flag (Station No. 1 to 16)
	GB17000	Parameter list page switch (previous page) execution trigge
	GB17001	Parameter list page switch (next page) execution trigger
		Parameter list page switch (previous page) operating
	GB17002	condition flag
	0017000	Parameter list page switch (next page) operating condition
	GB17003	flag
	GB17005	Screen control execution trigger
	GB17006	Parameter selection recipe write trigger
	GB17010	Copy process start trigger
	GB17011	Copy source/destination selection status initialization trigge
	GB17015	Copy process initialization execution flag
	GB17020	Bookmark storage process execution trigger
	GB17030 to GB17045	Copy destination selection status flag (station No. 1 to 16)
		Sample screen judgement flag
	GB17050	(Used in the project script added at the time of utilization)
	GB17100 to GB17109	Parameter list display/hide flag (line 1 to 10)
	GB17200	Backup STEP 2 execution trigger
	GB17201	Backup STEP 3 execution trigger
	GB17210	Restoration STEP 2 execution trigger
		38/78 BCN-P5999-1305-1

Туре	Device No.	Application	
	GB17211	Restoration STEP 3 execution trigger	
Bit	GB17220	Copy STEP 2 execution trigger	
DIL	GB17230	Machine diagnosis STEP 2 execution trigger	
	GB17231	Machine diagnosis STEP 3 execution trigger	

■GD Devices (Changeable)

Туре	Device No.	Application
	GD65231.b13	System alarm reset
	GD65290.b0	Recipe common control read trigger
Bit	GD65290.b1	Recipe common control write trigger
	GD65293.b0	Recipe-shared Write-in-progress signal
	GD65293.b1	Recipe-shared Read-in-progress signal
	GD15000 to GD15199	Parameter selection parameter No. storage device
	GD15250 to GD15259	Parameter list parameter No. storage device (line 1 to 10)
	GD15270	Bookmark storage execution process order storage device
	GD15281	Parameter selection recipe record No. storage device
	GD15285	Parameter list page No.
	GD15286	Parameter list the total number of pages
	GD15297	Copy process process execution number
	GD15299	Copy source recipe ID storage device
	GD15300 to GD15315	Copy destination recipe ID storage device (station No. 1 to 16)
	GD15400	Copy process order storage device
	GD16000 to GD16009	Bookmark system area
	GD16010	Bookmark registration number
	GD16011	Bookmark the total number of pages
	GD16012	Bookmark Page No.
	GD16020 to GD16029	Reference pointer operation result storage device (line 1 to 10)
	GD16030	Parameter No. reference pointer storage device
	GD16040 to GD16049	Parameter No. (line 1 to 10)
	GD16500	Station No. power-failure backup record No. storage device
	GD16501	Display language back up device
	GD16505	Power saving effect unit switching
Word	GD16506	Cumulative energy saving unit switching
	GD16507	Rotation speed/machine speed unit switching
	GD16510	OP3 lower byte storage device
	GD16520	AL0 lower byte storage device
	GD16522	AL100 lower byte storage device
	GD16524	AL200 lower byte storage device
	GD16526	AL300 lower byte storage device
	GD16528	AL400 lower byte storage device
	GD16530	AL500 lower byte storage device
	GD16532	AL600 lower byte storage device
	GD16534	AL700 lower byte storage device
	GD16536	AL800 lower byte storage device
	GD16560	Machine diagnosis progress display device
	GD16570	Display warning switching device
	GD16740	3-speed operation status reference pointer storage device
	GD16750 to GD16765	3-speed operation status (station No.1 to 16)
	GD16800	Recipe process control device
	GD16810	Screen switching tab status display
	GD16820	Backup process control device
	GD16821	Backup progress device
	GD16825	Restoration process control device
	GD16826	Restoration progress device
	GD16830	Load characteristics measurement process control device
1	GD16831	Load characteristics measurement progress device

Туре	Device No.	Application	
	GD16840	Copy process control device	
	GD16860 to GD16863	Cursor position time storage device	
	GD16870 to GD16873	Beginning position time storage device	
	GD16880 to GD16883	End position time storage device	
	GD17000 to GD17499	Copy target parameter storage device	
	GD18000 to GD19499	Bookmark parameter No. storage device	
	GD19990	Logging device	
	GD65200	Base screen screen switching device	
	GD65221	Language switching device	
	GD65222	System language switching device	
Word	GD65231	System information read device	
Word	GD65241	System information write device	
	GD65280	Document display ID storage device	
	GD65281	Document display page No. storage device	
	GD65283	Document display final page No. notice device	
	GD65290	Recipe common setting external control device	
	GD65291	Recipe common setting recipe No. storage device	
	GD65292	Recipe common setting external control record No.	
	GD03232	storage device	
	GD65296	Station No. switching device	
	GD65297	System alarm monitor occurrence number storage	
	GD65300 to GD65305	Digital switch for clock	
	GD16700	Frequency display device 1	
Double word	GD16702	Frequency display device 2	
	GD16704	Frequency display device 3	
	GD16850	Logging cursor information storage device	

■GS Devices (Unchangeable)

Туре	Device No.	Application
	GS512.b0	Change time information
	GS523.b2	Document display common control: high quality display ON
	GS1010.b2	Recipe status notice (during recipe special control execution)
Dit	GS1800.b2	Recipe control (recipe control execution)
Bit	GS1802.b0	Recipe special control type specification (record information)
	GS1802.b1	Recipe special control type specification (record update date and time)
	GS1802.b2	Recipe special control type specification (device value of the record)
	GS513 to GS516	Change time
	GS650 to GS652	Current time
\\/ard	GS1801	Recipe special control operation specification
Word	GS1803	Recipe special control start GD device No. specification
	GS1805	Recipe special control recipe No. specification
	GS1806	Recipe special control record No. specification

■Script parts temporary device area *1

Туре	Device No.	Application
Word	PTMP800~PTMP996	For script operation

*1 A PTMP is a local variable that is accessible by the scripts of each script parts object.

5.3.3 Label (GT Desinger3)

■Label: No.100 Com_Label

Label name	Data type	Assigned (Device)	Application
u16_Com_CngBsDv	Unsigned BIN16	GD65200	Screen switch device (base screen)
u16_Com_CngOvrRpDv1	Unsigned BIN16	GD65201	Screen switch device (overlap window 1)
u16_Com_CngOvrRpDv2	Unsigned BIN16	GD65204	Screen switch device (overlap window 2)
u16_Com_CngOvrRpDv3	Unsigned BIN16	GD65207	Screen switch device (overlap window 3)
u16_Com_CngOvrRpDv4	Unsigned BIN16	GD65210	Screen switch device (overlap window 4)
u16_Com_CngOvrRpDv5	Unsigned BIN16	GD65213	Screen switch device (overlap window 5)
u16_Com_CngSprInpsDv1	Unsigned BIN16	GD65216	Screen switch device (superimpose window 1)
u16_Com_CngSprInpsDv2	Unsigned BIN16	GD65217	Screen switch device (superimpose window 2)
u16_Com_CngDlgDv	Unsigned BIN16	GD65218	Screen switch device (dialog window)
s16_Com_CngLngDv	Signed BIN16	GD65221	Language switching device
s16_Com_CngSytmLanDv	Signed BIN16	GD65222	System language switching device
s16_Com_StmInfRd	Signed BIN16[02]	GD65231	System information: read device
s16_Com_StmInfWt	Signed BIN16[038]	GD65241	System information: write device
u16_Com_DocIDNum	Unsigned BIN16	GD65280	Document display: ID
u16_Com_DocPageNum	Unsigned BIN16	GD65281	Document display: page No.
u16_Com_DocStNtcDspDv	Unsigned BIN16	GD65282	Document display: state display notice device
u16_Com_DocEndPageNum	Unsigned BIN16	GD65283	Document display: final page No. notice device
u16_Com_RcpCmCntlDv	Unsigned BIN16[02]	GD65290	Recipe common settings external control information
u16_Com_RcpCmNtcDv	Unsigned BIN16[02]	GD65293	Recipe common settings external notice information
u16_Com_StChgDv	Unsigned BIN16	GD65296	Station number switching device
u16_Com_StmAlmNumOfOccStr	Unsigned BIN16	GD65297	System alarm monitor occurrence number storage

Label: No.121 INV_E800_Label

Label name	Data type	Assigned (Device)	Application
flt_Logging_dev	Real (32bit)	GD19990	Logging device

5.4 Comment

Characters displayed on the screen can be displayed in 3 languages: Japanese, English, and Chinese (simplified). Characters of each language are registered to Column No.1 to 3 of comment group No.300 to 340 and 500. Store the column No. in the language switching device to display the language corresponding to the column No.

Column No.	Language
1	English
2	Japanese
3	Chinese (Simplified)

Comment group No.	Application
300	Comments regarding the screen titles are registered.
301	Comments used in the screens are registered.
310	Parameter names of the inverter are registered. The parameter names are registered to comment No. obtained by parameter No. + 1.
311	Units of parameters are registered. The Units of the parameters are registered to comment No. obtained by parameter No. + 1.
320	Items monitored in batch monitors are registered. The comments are registered according to device No. of virtual device PV.
330	Names of abnormality displays (faults) displayed on the operation panel are registered. The names displayed on the operation panel are registered to comment No. same as data code.
331	Alarm names of abnormality displays (faults) are registered. The alarm names are registered to comment No. same as data code.
340	Axis names displayed with the station numbers are registered. When connecting the GOT to the inverter in RS-485 connection, the comment No. obtained by station number + 1 is displayed to change the settings of the object whose axis name is displayed. Please refer to "7.3.3 Settings of Sample Screen" for changing the settings of objects.
500	Comments used commonly in the sample screen are registered.

5.5 Recipe

Recipe Common Settings

External Control Information		
External control device	\$Com_Label:u16_Com_RcpCmCntlDv[0]	
Recipe No. storage device	Assigned to device obtained by external control device + 1.	
Record No. storage device	Assigned to device obtained by external control device + 2.	
External Notice Information		
External notice device	\$Com_Label:u16_Com_RcpCmNtcDv[0]	
Recipe No. notice device	Assigned to device obtained by external notice device + 1.	
Record No. notice device	Assigned to device obtained by external notice device + 2.	

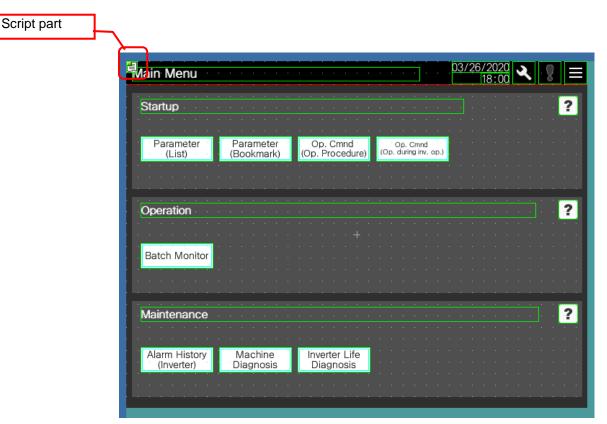
Reci<u>pe</u>

Recipe No.	Application
12000	Backup of the station number information.
12001 to 12016	Parameter backup/restoration of the inverter set in station number 1 to 16.
12100	List of the parameter numbers to display in the parameter screen.
12200	Store the bookmark registration status registered in the parameter screen.

5.6 Script

Item	Script No./Object ID	Setting screen
Project script	No	-
Screen script	No	No
Object script	Yes (ID 10062)	B-12900
Script parts	Yes (Placed on the upper left of each screen)	B-12000 to 12900, B-14103 to 14301 and B-32000

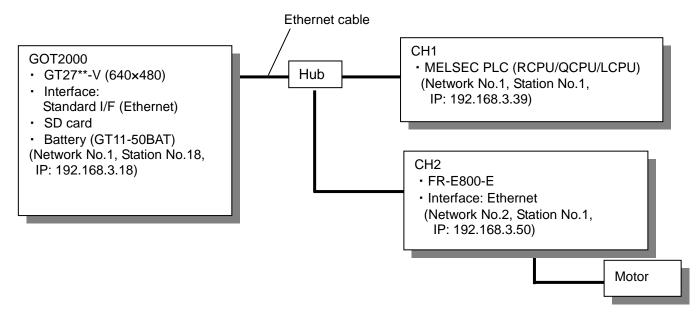
■Position of Script Parts Example: [Main Menu] screen (B-12000)



6. Utilize Sample Screen

This section explains how to incorporate (hereafter utilize) this sample screen in the project data of GOT users in the following system configuration. When actually utilizing this screen in the user's project data, apply the user's system configuration to the following system configuration.

Example: When utilizing this sample screen as the connected controller CH2 in the user's project data which sets the MELSEC iQ-RCPU to the connected controller CH1.



6.1 Checks Before Utilization

Check and perform the following items before utilizing this screen.

(1) Backup

The settings of user's project data are changed by utilizing this sample screen in the project data. Make sure to back up the project data before utilizing this sample screen.

(2) CH of [Controller Setting]

A CH of [Controller Setting] is occupied by utilizing this sample screen in the project data. When all channels (CH1 to 4) are used in the project data before utilizing this sample screen, prepare an unused CH.

(3) Change GOT internal device

GOT internal device is used in this sample screen.

Please refer to "5.3 Device List" and change the applicable range of the GOT internal device of this sample screen or the user's project data when the applicable range of the GOT internal device overlaps.

6.2 Utilization Procedure

After performing "6.1 Checks Before Utilization", utilize this sample screen according to the following procedures.

- (1) Open this sample screen.
 Users who have installed this sample screen from the installer of GT Works3 *1
 ⇒"6.2.1 How to Open the Sample Screen Installed to GT Designer 3"
- (2) Add the settings of the inverter to CH2 of [Controller Setting] in this sample screen and user's project data to utilize the inverter as CH2 of the controller.
 ⇒"6.2.2 Preparation before Utilization"
- (3) Utilize this sample screen whose settings have been changed in (2) in user's project data.
 ⇒"6.2.3 Utilize Another Project"

*1 For the following users

• Users who executed SETUP.EXE in GTSample_E folder stored in disc 2 of GT Works3 product DVD.

6.2.1 How to Open the Sample Screen Installed to GT Designer 3 Select [Project] and then [Utilize Data], and perform the operations below to open the sample screen.

- (1) Set "Sample project" to [Target].
- (2) Select [Detail>>] and input "E800" to [Keyword]. Then select [Search].
- (3) Select [OK].

(1)	Utilize Data (Project)						×
(2)	Target:	Sample proje)				
	Keyword:	E800		~		earch	Detail<<
	GOT Type:	All GOT Type				learen	Decali
				~			
	Controller:	All Controller	Types	~			
	Last Update:	Not specify		~			
	Search Result: 1 Item	s					
	File Name		GOT Type	Data Size	e (KB)	Date Mod	ified
	MITSUBISHI_FR-E80	0-E_V_Ver1	GT27**-V (6		1001	2020/03/	27 07:51:49
	<						>
	Preview:						6 🕀 🗨
				Section Mandaed Section Mandaed Section Management (Management (M			
	B-12000 Main Menu Pa	B-12100 arameter (List)	B-12110 Paramet	B-12120 Cmnd (0	Op.	B-1212 Cmnd (C	1 Op.
	Detailed Description:		in a state of the				
	The sample screens of	of GOT2000 co	nnected to a FR-E	800-E invert	ter via	Ethernet.	The sample scre 🔨
	<						>
	Project Title:						
	Project Path:						
	Controller:	FREQROL 80	^{0/E700NE(Bat} (3) nitor)			
						ОК	Cancel

6.2.2 Preparation before Utilization

To utilize [Controller Setting] of the inverter in this sample screen as CH2 with [Utilize Project] function, [Controller Setting] of this sample screen needs to be changed from CH1 to CH2, and the setting for the inverter also needs to be set to CH2 of [Controller Setting] in user's project data before utilization. Perform the setting of the sample screen according to the procedures below.

■How to change [Controller Setting] of this sample screen from CH1 to CH2

(1) Go to [Common] - [Controller Setting] and check [Use CH2] to perform the setting of the connected inverter. Because the same value cannot be set to [GOT Communication Port No.] of CH1 and CH2, change the [GOT Communication Port No] of CH1 to "5037" and set "5036" to [GOT Communication Port No] of CH2.

Controller Setting	Use CH2						
	Set t	he controller to	be connected	to the GOT.			
FREQROL(Manufacturer:	MITSUBIS	HI ELECTRIC		~		
CH2:FREQROL 80	Controller Type:	FREQROL	800/E700NE(E	latch monitor)	~		
- 🔛 New	I/F:	Ethernet:	Multi (Used in (CH1)	~		
FREQROL(
CH3:None							
🖶 🕂 Network/Duplex	🔕 Detail Settin	g					
	Driver:	Ethernet(FRE	QROL(Batch m	onitor)), Gateway			
- 🗫 Communic	Property			Value		[
Gateway :	GOT Net	No.		2			
Mail	GOT Stat			18			
FTP Serve	GOT Com	GOT Communication Port No.					
File Transf	Retry(Tin	nes)		3			
Station No. S	Startup T	ime(Sec)		3			
		Time(Sec)		3			
	Delay Tim	ie(ms)		0			
	Connected Ethe	rpat Controllor (atting				
		met controller a	Jecung				
	Set t	he controllers to	he connected	l to the Ethernet-link	ed GOT		
	Set t						
	+ 🗙	h h C	About Unit	Type			
	Hos	t Net No.	Station	Unit Type	IP Address	Port No.	Communication
	1 *	2	1	FREQROL	192.168.3.50	5001	UDP

(2) Go to [Search/Replace] - [Batch edit] to select [CH No]. Check [Project] under [Target] and click [Find Now] to display "1" in [Before] and [After]. Change the "1" in [After] to "2" and click [Replace]. By this operation, devices set in the screen are set to the settings of CH2 from CH1.

,	0
CH No. Batch Edit	
Attribute: CH No.	
Target	
✓ Project	
Editing Screen V Base Screen V	From: 1 To: 32767
Category: Switch \lor	
Common settings (excluding settings of each scr	reen.)
Script Text: All Script ~	
	Q Find Now
× <u>M</u>	
Before	After
1 1	2
2	
	Replace Close

- (3) Refer to "7.7 Changing the Inverter Network No. and Station No." and modify Net No. and Station No. to the ones set in CH2.
- (4) Refer to "7.6 Changing the Communication Settings of the Inverter from CH1 in [Controller Setting]" and check CH2 of [CH No. for Station No. Switching] which is connected to the inverter in [Station No.Switching].
- (5)Select [Project] and then [Save As Project] to save as another project data.
- ■How to set CH2 of [Controller Setting] in user's project data.

Add the same setting as [Controller Setting] of the inverter set in (1) of " How to change [Controller Setting] of this sample screen from CH1 to CH2" to CH2 of [Controller Setting] in user's project data.

Controller Setting CH1:MELSEC iQ-R, RnMT/N CH1:MELSEC iQ-R, RnMT/N Connected Ethernet Cc	Use (controller to	be connected	to the GOT			
- 📫 New					to the dor.			
CH2:FREOROL 800/E700NE	Manufac		MITSUBIS	HI ELECTRIC		~		
🗟 🔚 Connected Ethernet Co	Controlle	er Type:	FREQROL	800/E700NE(8	Batch monitor)	\sim		
	I/F:		Ethernet:	Multi (Used in	CH1)	~		
- (11) CH3:None								
- OH4:None	-							
A Network/Duplex Setting Bouting Information	🙆 De	etail Setting						
Gateway	[Driver: E	thernet(FRE	QROL(Batch m	onitor)), Gateway			
Communication Sett	[Property			Value			
Gateway Client		GOT Net No.			2			
		GOT Station			18			
File Transfer		GOT Commu		No.	5036			
MELSEC Redundant		Retry(Times)			3			
Station No. Switching		Startup Time			3			
🐌 Buffer Memory Unit No. Sw		Timeout Time			3	-		
		Delay Time(n	ns)		0			
	Conne	cted Ethernet	t Controller S	etting				
	Set the controllers to be connected to the Ethernet-linked GOT.							
				About Unit	Туре			
	[Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
		1 *	2	1	FREQROL	192.168.3.50	5001	UDP

■Perform "6.2.3 Utilize Another Project "after completing all procedures.

6.2.3 Utilize Another Project

Utilize the project data created in "6.2.2 Preparation before Utilization" in the user's project data according to the procedures below.

- (1) Open the user's project data by GT Designer3.
- (2) Go to [Project] and select [Utilize Data (Project)].
- (3) Select [Browse] and open the project data created in "6.2.2 Preparation before Utilization".

tilize Project Source Project:			Browse	Search
Select screen-related settings as well				
Source Project	Destination			
	Base:	Retain the same No. $ \smallsetminus $		
GOT Environmental Setting / G GOT Environmental Setting CSP+ for iQSS Data Write	Window:	Retain the same No. $$		
Operation Log Network Drive	Report:	Retain the same No. $ \smallsetminus $		
□ Controller Setting □ Network/Duplex Setting	Mobile:	Retain the same No. $ \sim $		
Buffer Memory Unit No. Sw	Label Group:	Retain the same No. $ \smallsetminus $		
🗋 Bar Code 🗋 RFID	Comment Group;	Retain the same No. $ \smallsetminus $		
···· VNC Server ···· Video/RGB Input ···· Multimedia	User Alarm Observation:	Retain the same No. $ \smallsetminus $		
External I/O / Operation Pa GOT Network Interaction	Logging;	Retain the same No. \smallsetminus		
GOT Mobile Setting	Recipe;	Retain the same No. $ \smallsetminus $		
Screen Design Design Base Screen	Script File List:	Retain the same No. $ \smallsetminus $		
12000 Main Menu 12100 Parameter (List) 12110 Parameter (Bookmar	Device Data Transfer;	Retain the same No. $ \smallsetminus $		
	MES Interface:	Add to the current setting \sim		
12121 Op. Cmnd (Op. durir 	Parts:	Retain the same No. $ \smallsetminus $		
↓ 12300 Alarm History (Invert	Sound File:	Retain the same No. $ \sim $		
			Utilize	Close

(4) Check the following items.

	Item
Controller Setting	Check [Station No. Switching].
Base Screen	Check all.
Label	Check all.
Comment	Check all.
Alarm	Check [System Alarm Observation].
Alaini	Check [Alarm Popup Display].
Logging	Check [14900 Logging].
Recipe	Check all.
	Check [30200 None_parts]
	Check [30201 Warning_parts]
Parts	Check [30202 Alarm_OFF]
	Check [30203 Alarm_ON]
	Check [30204 Warning_mini_parts]

(5) Set [Retain the same No.] to [Destination] and select [Utilize].

Utilize Project			×
Source Project:			Browse Search
Select screen-related settings as well			
Source Project	Destination		
	Base:	Retain the same No. \sim	
GOT Environmental Setting / G GOT Environmental Setting CSP+ for iOSS Data Write	Window:	Retain the same No. $ \smallsetminus $	
Operation Log	Report;	Retain the same No. $ \sim $	
Controller Setting	Mobile:	Retain the same No. $ \sim $	
⊡ Routing Information ⊡ Gateway	Label Group:	Retain the same No. $ \sim $	
	Comment Group:	Retain the same No. $ \sim $	
Peripheral Setting Bar Code	User Alarm Observation:	Retain the same No. $ \sim $	
RFID	Logging:	Retain the same No. $ \sim $	
···· 🗖 Video/RGB Input ···· 🗖 Multimedia	Recipe:	Retain the same No. $ \sim $	
GOT Network Interaction	Script File List:	Retain the same No. $ \sim $	
GOT Mobile Setting UF Communication Setting CF Communication Setting CF Communication Setting	Device Data Transfer:	Retain the same No. $ \smallsetminus$	
Base Screen	MES Interface:	Add to the current setting $\scriptstyle \lor$	
□ 12100 Parameter (List) □ 12110 Parameter (Bookmar	Parts:	Retain the same No. $ \sim $	
☐ 12120 Op. Cmnd (Op. Proc √	Sound File:	Retain the same No. \vee	
			Utilize Close

(6) Perform "6.3 Works after Utilization".

6.3 Works after Utilization

- For this sample screen, function addition and change of the settings are needed to be performed according to the user's system configuration after utilization. Please refer to the items below for works after utilization.
- ⇒"6.3.1 Settings of label (GT Designer3)"
- ⇒"6.3.2 Settings of GOT Environmental Setting"
- ⇒"6.3.3 Settings of Project Script"

6.3.1 Settings of Label (GT Designer3)

Change [Assign (Device)] of label (GT Designer3) according to the device assignment of each setting set in the user's project data.

Label Name	Data Type	Assign(Device) Default Value *1	Application
u16_Com_CngBsDv	Unsigned BIN16	GD65200	Screen switch device(base screen)
s16_Com_StmInfRd	Signed BIN16[02]	GD65231	System information read device
s16_Com_StmInfWt	Signed BIN16[038]	GD65241	System information write device
u16_Com_RcpCmCntlDv	Unsigned BIN16[02]	GD65290	Recipe common settings external control information
u16_Com_RcpCmNtcDv	Unsigned BIN16[02]	GD65293	Recipe common settings external notice information
s16_Com_CngLngDv	Signed BIN16	GD65221	Language switching device
s16_Com_CngSytmLanDv	Signed BIN16	GD65222	System language switching device
u16_Com_StmAlmNumOfOccStr	Unsigned BIN16	GD65297	System alarm monitor occurrence number storage

■Label Group No.100 Com Label

*1: For the function not used in the user's project data, it is not required to change [Assign (Device)] of the label.

6.3.2 Settings of GOT Environmental Setting Change and add the following settings in the project data after utilization.

(1) [Screen Switching/Window Setting]

A. Franking age Switching	Screen Sw	itching / Window Setting		
Dialog Window Key Window System Information	Base Sc	reen : \$Com_Label:u16_Com_CngBsDv	·	
Security Operation Log	Overlap	Window		
💑 Internal Device Retention		Screen Switching Device	Use also as a system window	Detail Setting
KANA KANJI Conversion Startup Logo	1	GD101	Use	
		Display Position: X: Y:		
	2 🗌	· · · · · · · · · · · · · · · · · · ·	Use	
		Display Position: X: Y:		
	3 🗌	· · · · · · · · · · · · · · · · · · ·	Use Use	
		Display Position: X: Y:		
	4	· · · · · · · · · · · · · · · · · · ·	🗹 Use	
		Display Position: X: Y:		
	5	· · · · · · · · · · · · · · · · · · ·	Use	
		Display Position: X: Y:		
	Superim	pose Window		
		Screen Switching Device	Detail Setting	
	1	· · · · · · · · · · · · · · · · · · ·		
	2	· · · · · · · · · · · · · · · · · · ·		
	Dialog V	Vindow	· · · · ·	

■Base Screen

Change the screen switch device of [Base Screen] to the following.

Item	Setting
[Screen Switching Device]	\$Com_Label:u16_Com_CngBsDv

(2) [Language Switching Device] Language switching is supported in this sample screen. When using language switching, go to [Common] - [GOT Environmental Setting] - [Language Switching] to open the setting screen and set the following items.

When not using language switching, the settings are not required.	
Disease water to UE 4 Operation out! for low much we switch in a	

Please refer to "5.4 Comment" for language switching.

-	-	thing Device:	\$Com_Label:s16_Com_			
Alter	native Disp	ay (when the	 Not Display 	 Display 	Comment Column I	or comment column No. does not
legio	on Setting		previewed on the editor:	1	~	
		e format of ea) with languag Comment Column No.	ch function when changi e switching. Remark (Region Name)	ng the sort Date Format	Decimal Marker	New
1	*	1	USA	mm/dd/yy	. (period)	Delete
		2	JPN	yy/mm/dd	. (period)	Delete All
2			CUN	vv/mm/dd	. (period)	
2 3		3	CHN	////unity and	(pened)	

Item	Setting
[Use Language Switching]	Checked
[Language Switching Device]	\$Com_Label:s16_Com_CngLngDv
Alternative Display (when the language switching device	Display
value is out of the range (1-30) or comment column No. does not exist)	Comment Column No.1
[Use System Language Switching]	Checked
[System Language Device]	\$Com_Label:s16_Com_CngSytmLanDv

(3) [System Information]

In this sample screen, the switch which can reset system alarms when system alarms of the GOT occur is set.

When using the reset function of system alarms, go to [Common] - [GOT Environmental Setting] - [System Information] to open the setting screen and set the following items

When not using the reset switch of system alarms, the settings are not required.

Please refer to "5.1.22 System Alarm (GOT) (B-32001)" for the reset switch of system alarms.

Use System Information					
Read Device (Controller->GOT)					
First Device:	:om_Label:s16_Com_StmInfRd[0]				
Selection/Sort Setting	(Device Points: 1)				
Item	Device				
System Signal 1-1	\$Com_Label:s16_Com_Stm				
Write Device (GOT->Controller)					
First Device:	pm_Label:s16_Com_StmInfWt[0]				
Selection/Sort Setting	(Device Points: 1)				
Item	Device				
System Signal 2-1	\$Com_Label:s16_Com_St				
Output object ID of Text Input to the	system information device				
Clear the cursor information when delet	ing the cursor				
Retain the screen number of on-screen					

Item	Setting
[Use System Information]	Checked
[First Device] of [Read Device (Controller->GOT)]	\$Com_Label:s16_Com_StmInfRd[0]
[First Device] of [Write Device (Controller->GOT)]	\$Com_Label:s16_Com_StmInfWt[0]

6.3.3 Settings of Project Script

Station number switching function is set in this sample screen. In the cases such as when station number switching is used in user's project data or the screen for the inverter is created by the user, there is a possibility that unintentional stations are monitored.

By adding the project script below, the monitor target of the station is set to the station set by the object when switching to a screen other than the screens of the sample.

Script No.	12000	Script name	Script12000					
Comment	Station No. switching device initialization							
Data type	Signed BIN16	Trigger type	Ordinary					
if((12000 <= [<\$:Co 14302) && [b:GB17	<pre>// When the value in the screen switching device is for sample screens (12000-14302) if((12000 <= [<\$:Com_Label:u16_Com_CngBsDv>]) && ([<\$:Com_Label:u16_Com_CngBsDv>]<= 14302) && [b:GB17050] == OFF){ set([b:GB17050]); //Turns ON the station number switching flag</pre>							
station number swit if((([<\$:Com_La > 14302)) && [b:GB	ching device to the host sta bel:u16_Com_CngBsDv>] 317050] == ON){ :u16_Com_StChgDv>] = 0x	tion. < 12000) ([<\$:Com	sample screens, switches the n_Label:u16_Com_CngBsDv>] nonitor target to the station set mber switching flag					

Availability of station number switching function

Can be checked by [Screen Property] of base screen.

Go to [Screen Property] - [Basic] tab and confirm [Switch Station No.] in [Option].

Screen Property	×
Basic Key Window Basic Se	tting γ Key Window Advanced Setting γ Dialog Window γ Option Selection Window γ
Screen No.:	\$2000 ·
Screen Name:	Main Menu
Screen Type:	Base Screen
Detailed Description:	This screen is displayed when turning on the sample screen. Each function
Security:	
Screen Size	
Screen Design	
Individually set the screen	design:
Option	
Switch Station No.	
Switch buffer memory un	t No.
🗌 Pop up alarms: 🌔	Display Position: Bottom 🗸
Target for exclusive contr	ol of operational authority
Screen Gesture Inactive Area	-
Position: Top	Rottom
Size: 32 🔷 (Do	t)
Display the screen gestu	re inactive area * The area will be surrounded with a light blue frame.
	OK Cancel

When [Switch Station No.] is checked, there is a possibility that station number switching is used because the screen is the target of station number switching function.

When [Switch Station No.] is not checked, station number switching is not used because the screen is not the target of station number switching function.

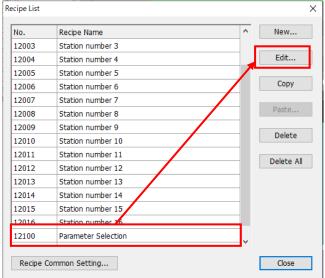
*When a new base screen is created, [Switch Station No.] is not checked in the default setting.

7. User Customize

7.1 How to Display the Specified Parameters in [Parameter (List)] Screen

How to change the settings is explained below with the example of displaying [Pr.165 Stall prevention operation level for restart] in [Parameter (List)] screen.

- (1) Go to [Common] [Recipe] and select [Recipe].
- (2) Select Recipe No.12100 [Parameter selection] and click [Edit].



(3) Select [Device] tab.

	hadad.	Record Number: 1	Character (iode: ASCII	✓ Storage Order:	Low> High \vee Re	cord Attribute			
10.	Device	Device Type	Points	Character Count (one-byte)	Display Type	Real Expression	Decimal Point	Device Comment	Record 1	^
	GD15000	Signed BIN16	200	-	Signed Dec		0		0	
2	GD15001								1	
3	GD15002								2	
1	GD15003								3	
5	GD15004								4	
5	GD15005								5	
7	GD15006								6	
3	GD15007								7	
9	GD15008								8	
10	GD15009								9	
11	GD15010								79	
12	GD15011								125	
13	GD15012								126	
14	GD15013								160	
15	GD15014								998	
16	GD15015								999	_
17	GD15016								9999	_
18	GD15017								0	
19	GD15018								0	
20	GD15019								0	_
21	GD15020								0	

(4) Set "9999" which is set in No.17 of [Record 1] to No.18 and set "165" which is the parameter No. to add to No.17.

*The setting of "9999" is not required when [Record 1] of 200 devices are set which is the maximum number. When the set devices are less than 200, make sure to set "9999" to the final No.

(5) Click [OK].

-7/1	Device									
		Number: 1	Character C	iode: ASCII	V. Storaga Ordan	Low> High ~ Rec	ord Attribute			
				1000	Storuge States.	Lott y high . Hoc				
				<i>a</i>						
	Device	Device Type	Points	Character Count (one-byte)	Display Type	Real Expression	Decimal Point	Device Comment	ecord 1	
	GD15000	Signed BIN16	200	-	Signed Dec		0	0		
	GD15001							1		
	GD15002 GD15003							2		
	GD15004							4		
	GD15005							5		
	GD15006							6		
	GD15007							7		
	GD15008							8		
	GD15009 GD15010							9		
	GD15010 GD15011								9 25	
	GD15012								26	
	GD15013								60	
	GD15014							9		
	GD15015								99	
	GD15016 GD15017							9	999	
	GD15017 GD15018							0		
	GD15019							0		
	GD15020							0		v
	e a new recipe display (record	ist)				(4)			ОК	Cancel
ipe		list)			-	(4)				Cancer
ipe	Device		1				Paraul Attribute			Cancer
ipe E)/I	Device mber: 1 ÷ Record	l Number: 1	Character	Code: ASCII	Sta age Orde		Record Attribute			Cancer
ipe c)/1 : Nu	Device mber: 1 💿 Record	I Number: 1	×			r: Low -> High 🗸 🚺				
ipe)/I Nu	Device	Number: 1	Points	Code: ASCII Character Count (one-byte)	Disp iy Type		Decimal Poir	t Device Commer	It Record 1	Edit
ipe)/I Nu	Devce mber: 1 Record	I Number: 1	×	Character Count		r: Low -> High 🗸 🚺		It Device Commer	It Record 1	
ipe)/I Nu	Device mber: 1 © Record M & P P Ø Device G015001	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	It Device Commer	It Record 1 0 1	
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ipe c) (l c Nu	Device mber: 1 Record m & Pa & Pa & Pa pevice C015000 C015001 C015001 C015002 C015004 C015005 C015005 C015005	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	it Device Commer	tt Record 1 0 1 2 3 4 5 5 6	
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ipe : Nu	Device	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 4 4 5 6 6 7 8	
ipe : Nu	Device mber: 1 Record mb & Pa & P	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 4 5 6 6 7	
ipe 2)/1 : Nu	Device	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 4 4 5 5 6 7 7 8 9	
ipe	Device T Constant of the second Constant of the sec	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 4 4 5 6 6 7 8 8 9 7 9 79	
ipe c)/1	Device 1 Record 01 36 00 00 015000 6015000 00 00 6015002 6015003 60 00 6015003 6015004 6015003 60 6015004 6015005 6015006 6015006 6015006 6015010 6015011 6015011 6015011 6015013 6015013 6015013	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	ht Record 1 0 1 2 3 4 4 5 6 6 7 8 9 9 79 125 126 160	
ipe c)/1	Device I Record Imit Control Imit Control Imit Control Imit Control Imit Control Imit Control Imit Control Imit Control Imit Control Imit Control Imit Contro Imit Control Imit	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	t Record 1 0 1 2 3 4 4 5 5 6 7 7 8 9 9 7 9 125 125 126 160 998	
ipe c)/1 : Nu	Device text text text text text text text t	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 4 4 5 6 7 7 8 9 9 7 9 125 126 160 999	
ipe	Device Image: Control of the control of t	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 3 4 5 5 6 7 8 9 9 7 7 8 9 9 9 9 9 9 9 9 8 9 9 9 9	
ipe) (1 Nu	Device Record Imit Control Imit Control Imit Contrel Imit Control	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	It Device Commer	t Record 1 0 1 2 3 4 5 6 7 8 9 9 7 9 9 7 9 9 9 9 9 9 9 9 9 9 9 9	
ipe) (1 Nu	Device Image: Control of the control of t	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	tt Record 1 0 1 2 3 3 4 5 5 6 7 8 9 9 7 7 8 9 9 9 9 9 9 9 9 8 9 9 9 9	Edt
ipe	Device T	Number: 1	Points	Character Count	Disp iy Type	r: Low -> High 🗸 🚺	Decimal Poir	t Device Commer	t Record 1 0 1 2 3 4 5 6 7 8 9 9 7 9 9 7 9 9 9 9 9 9 9 9 9 9 9 9	

Precautions

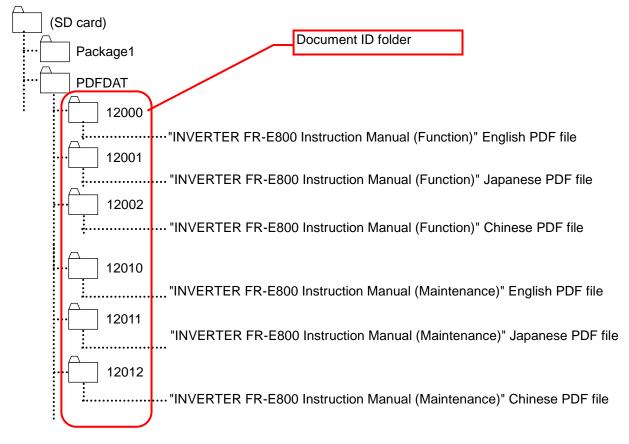
Do not register calibration parameters (Pr.900 to Pr.935)

Regarding calibration parameters (Pr.900 to Pr.935), because [Bias/gain value] or [Analog input value] is required to be set with object, create a screen to change parameters when changing parameters with the GOT.

7.2 Document Data Used in [Manual Display (B-12900)] Screen

A manual in a PDF format can be displayed without conversion. For more details on the document display function, please refer to "GT Designer3 (GOT2000) Screen Design Manual". Please note that the language switching cannot be performed with the document display function. Therefore, in the sample screens, the document language is switched by changing the document ID in accordance with the selected display language.

- (1) Store the manuals in the following folder configuration.
- For the document ID and corresponding language, please refer to the table in (2).



SD card folder configuration

(2) Correspondence table of document ID and display language

Document ID	Language	Manual
12000	English	"INVERTER FR-E800 Instruction Manual (Function)" English
12001	Japanese	"INVERTER FR-E800 Instruction Manual (Function)" Japanese
12002	Chinese (Simplified)	"INVERTER FR-E800 Instruction Manual (Function)" Chinese
12010	English	"INVERTER FR-E800 Instruction Manual (Maintenance)" English
12011	Japanese	"INVERTER FR-E800 Instruction Manual (Maintenance)" Japanese
12012	Chinese (Simplified)	"INVERTER FR-E800 Instruction Manual (Maintenance)" Chinese

- (3) Displayed manual is different depending on the screen before switching.
 - (a) Operation, Startup or Parameter screen of the main menu.
 ⇒Open "INVERTER FR-E800 Instruction Manual (Function) 3. Parameters".
 - (b) Maintenance or Alarm History screen of the main menu ⇒Open "INVERTER FR-E800 Instruction Manual (Maintenance) 2.Protective Functions"

For the versions and pages for "INVERTER FR-E800 Instruction Manual (Function)" and "INVERTER FR-E800 Instruction Manual (Maintenance)" at the creation of this sample screen, please refer to the table below.

INVERTER FR-E800 Instruction Manual (Function)	English	Japanese	Chinese (Simplified)
Revised	December 2019	December 2019	December 2019
Manual Number	IB(NA)-0600868ENG-A	IB(名)-0600867-A	IB(NA)-0600869CHN-A
3. Parameters	Page 51	Page 45	Page 43

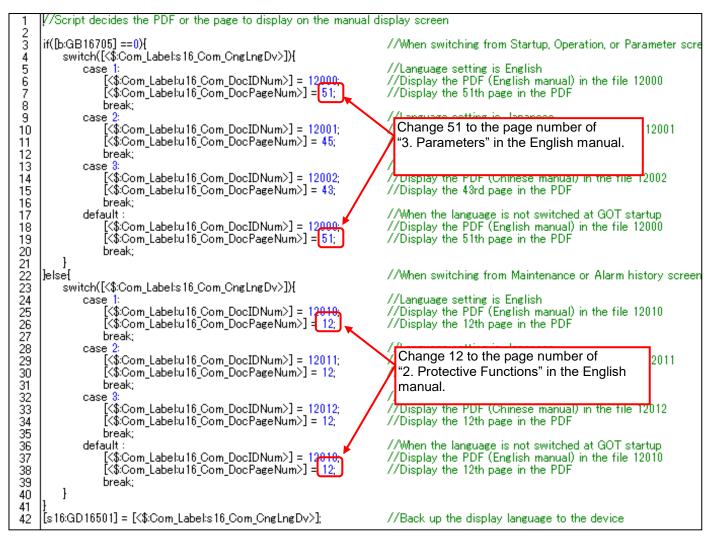
INVERTER FR-E800 Instruction Manual (Maintenance)	English	Japanese	Chinese (Simplified)
Revised	December 2019	December 2019	December 2019
Manual Number	IB(NA)-0600874ENG-A	IB(名)-0600873-A	IB(NA)-0600875CHN-A
2.Protective Functions	Page 12	Page 12	Page 12

(4) When updating the manual, obtain the manual written in (2) and store the PDF file of the manual in the document ID folder of the corresponding language. Delete the older manual. Then refer the following table to modify the page number specified in the script parts (Script 1 and 2) that has

Then refer the following table to modify the page number specified in the script parts (Script 1 and 2) that has been set for the base screen 12900 [Manual Display].

Manual to be updated	Modification
English Manual	Change the constant of word set [<\$:Com_Label:u16_Com_DocPageNum>] from 51 to the page number of "3. Parameters" in the English manual.
English Manual	Change the constant of word set [<\$:Com_Label:u16_Com_DocPageNum>] from 12 to the page number of "2. Protective Functions" in the English manual.
	Change the constant of word set [<\$:Com_Label:u16_Com_DocPageNum>] from 45 to the page number of "3. Parameters" in the Japanese manual.
Japanese Manual	Change the constant of word set [<\$:Com_Label:u16_Com_DocPageNum>] from 12 to the page number of "2. Protective Functions" in the Japanese manual.
Chinese Manual	Change the constant of word set [<\$:Com_Label:u16_Com_DocPageNum>] from 43 to the page number of "3. Parameters" in the Chinese manual.
Chinese Manual	Change the constant of word set [<\$:Com_Label:u16_Com_DocPageNum>] from 12 to the page number of "2. Protective Functions" in the Chinese manual.

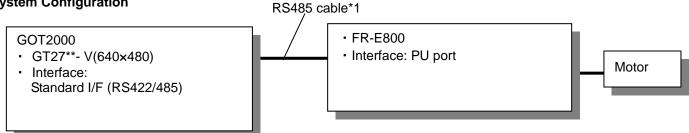
Example: Where to change settings in Script1 (Updating the English manual)



7.3 RS-485 Connection

This sample screen can also be used for RS-485 connection of GOT2000 and FR-E800 inverter. The setting example is as below.

System Configuration



*1: For more details on the cable, please refer to "GOT2000 Series Connection Manual (Mitsubishi Products)".

7.3.1 Controller Setting of GOT

(1) Controller Setting

Item	Set Value	Remarks
Manufacturer	MITSUBISHI ELECTRIC	
Controller Type	FREQROL 800/E700NE (Batch monitor)	
I/F	Standard I/F(RS422/RS485)	

(2) Detail Setting

Item	Set Value	Remarks
Transmission Speed (BPS)	115200	
Data Bit	8bit	
Stop Bit	1bit	
Parity	Odd	
Retry (Times)	0	
Timeout Time (Sec)	3	
Host Address	0	Make sure to set the station number of the inverter connected to the GOT to [Host address] when connecting the GOT to the inverter in RS-485 connection.
Delay Time (ms)	10	
Negotiation Time (Sec)	5	
Initialization Wait Time (Sec)	3	
Automatic Negotiation	Yes	

7.3.2 Inverter FR-E800 Communication Settings

Set the parameters of the communication settings with PU (operation panel or parameter unit). An inverter reset after the setting is required for the parameters of the communication settings.

Item	Parameter	Set Value	Remarks
PU communication station number	Pr.117	0 (Default value)	
PU communication speed	Pr.118	1152	*1
PU communication stop bit length / data length	Pr.119	0	*1
PU communication parity check	Pr.120	1	*1
PU communication retry count	Pr.121	9999	
PU communication check time interval	Pr.122	9999	
PU communication waiting time setting	Pr.123	5	*1
PU communication CR/LF selection	Pr.124	1 (Default value)	
Protocol selection	Pr.549	0 (Default value)	
Operation mode selection	Pr.79	0 (Default value)	
Communication startup mode selection	Pr.340	1	
Communication EEPROM write selection	Pr.342	0 (Default value)	
PLC function operation selection	Pr.414	0 (Default value)	*2

*1: Settings of the GOT can be changed. When changing the settings, also change the settings of the inverter.

*2: Because the default value of the inverter is "0: disabled", change the value to 1 or 2 when using PLC function. [Additional Explanation]

When trying to monitor the devices of the PLC such as X and Y at the time when Pr.414 "PLC function operation selection" is " 0: disabled ", the system alarm "322 Dedicated device is out of range. Confirm device range." is output.

7.3.3 Settings of Sample Screen

When connecting the GOT to the inverter in RS-485 connection, the minimum station number can be set in the inverter is "0".

When communicating with the station number "0", the setting of the object which displays the axis name*1 is required to be changed.

How to change the setting is shown below.

(1) Axis name

Regarding the display of axis name, the axis name of comment No. same as the selected station number is displayed.

Although the minimum station number is "0" in RS-485 connection, the minimum comment No. is "1". Therefore the comment No. obtained by the value of station number + 1 is required to be referred.

Example: Change the settings of the object which displays the axis name in [Parameter (List)] screen (B-12100).

Parameter (List)	<u> </u>
St. St.12 Axis 1	?
Parameter Storage (Recipe)	
Regi. No. Name	Word Comment Display
3456 Torque boost	Basic Settings Advanced Pattings
3456 Maximum frequency	Device/Style* Comment* / Extended / Trigger, Operation/Script*
3456 Minimum frequency	Only the setting of selected "Operation Type" is valid. Operation Type: Onone Operation Operation Script
3456 Base frequency	
3456 Multi-speed setting (high speed)	Bit Mask Mask Type: AND OR OXOR Mask Pattern: 00FF On period and a dit the data
	Deration] and edit the data expression in [Exp]
3456 Multi-speed setting (middle speed)	Shift Direction: O Left O Right Number of Shifts:
Edit Data Expression	X None Data Expression \$\$ + 0 Exp
\$\$ + 1	
Style: A.B ~	
$A + \vee B + \vee C + \vee D$	+
	Set "1" to the value of [Constant] for
Constant Data Type: O Hex	the value of station number +1.
Term Type Value	
A \$\$ Monitor Device	
	OK Cancel
ОК	Cancel

*1: Please refer to "5.4 Comment "for axis name.

(2) Station Number Switching

In this sample screen, station No. can be switched between 1 and 16 in the default setting. When switching to the number other than 1 to 16 such as station number 0, please refer to "7.7 Changing the Inverter Network No. and Station No." and change the settings according to the system configuration.

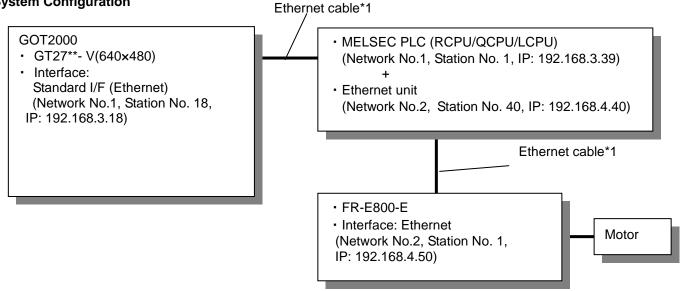
7.4 Connecting GOT and Inverter via PLC (Ethernet)

This sample screen can also be used for connecting GOT2000 and MELSEC iQ-R/Q/L series PLC via Ethernet and then connecting the PLC and the inverter*1 via Ethernet interface unit.

The setting example for connection via MELSEC iQ-R CPU and the Ethernet interface unit is as below.

*1: For the FR-E800-E inverter





*1: For more details on the cable, please refer to "GOT2000 Series Connection Manual (Mitsubishi Products)".

7.4.1 Controller Setting of GOT

(1) Controller Setting

Item	Set Value	Remarks
Manufacturer	MITSUBISHI ELECTRIC	
Controller Type	MELSEC iQ-R,RnMT/NC/RT,CR800-D *1	
I/F	Ethernet: Multi	

*1: Change [Controller Type] according to the CPU.

QCPU: MELSEC iQ-L

LCPU: MELSEC-Q/QS, Q17nD/M/NC/DR/DSR, CRnD-700

(2) Detail Setting

Item	Set Value	Remarks
GOT NET No.	1	
GOT Station	18	
GOT Communication Port No.	5001	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	

(3) GOT Ethernet Setting

Item	Set Value	Remarks
Update GOT Ethernet Standard Port Setting	Checked	
GOT IP Address	192.168.3.18	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	

(4) Connected Ethernet Controller Setting

	Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
1	*	1	1	RCPU *2	192.168.3.39	5006	UDP

*2: Change [Unit Type] according to the CPU. QCPU: QnUD (P)V/QnUDE(H) LCPU: LCPU

(5) Routing Information Settings

Routing information setting is required in order to connect to a different network. Set as below.

	Transfer Net No.	Relay Net No.	Relay Station No.
CH1	2	1	1

7.4.2 PLC Side Settings (GX Works3)

(1) Select [Parameter]-[Module Information] and add RJ71EN71. [RJ71EN71 (E-E)] - [Port 1 Module Parameter (Ethernet)] - [Basic Settings] - [Own Node Settings]

Item	Set Value	Remarks
IP Address	192.168.4.40	Ethernet unit IP address
Communications by Network No./Station No.	Enable	
Setting Method for Network No. and Station Number	Not Use IP Address	
Network No.	2	
Station Number	40	

(2) Go to [Parameter] - [Module Information] - [RJ71EN71 (E-E)] - [Port 1 Module Parameter (Ethernet)] - [Application Settings] - [Network Station No. <-> IP Information] and set the destination network number, station number, and IP address after setting [Table Conversion System] to [Setting System].*1

Item	Set Value	Remarks
Setting System	Table Conversion System	

Network No.	Station	IP Address	Remarks
2	40	192.168.4.40	Set the Ethernet module's station number and IP address.
2	1	192.168.4.50	Set the inverter's station number and IP address*2.

*1: For QCPU and LCPU, go to [Parameter] - [Network Parameter (Ethernet/CC IE Field)] in GX Works2 and add Ethernet to the module 1, and apply the settings above under [Station No. <-> IP Information].
 *2: Apply settings to all the connected inverters.

For detail, please refer to the user's manual of the devices in use.

7.4.3 Inverter FR-E800-E Communication Settings

Set the parameters of the communication settings with PU (operation panel or parameter unit). An inverter reset after the setting is required for the parameters of the communication settings.

Item	Parameter	Set Value	Remarks
Operation mode selection	Pr.79	0 (Default value)	*2
Communication startup mode selection	Pr.340	10 (Default value)	*2
Communication EEPROM write selection	Pr.342	0 (Default value)	*2
PLC function operation selection	Pr.414	0 (Default value)	*2 *3
Stop mode selection at communication error	Pr.502	0 (Default value)	*2
Protocol selection	Pr.549	0 (Default value)	
NET mode operation command source selection	Pr.550	5	*2
Operation frequency during communication error	Pr.779	9999 (Default value)	*2
Ethernet communication network number	Pr.1424	1 to 239	*1
Ethernet communication station number	Pr.1425	1 to 120	*1
Link speed and duplex mode selection	Pr.1426	0 (Default value)	*2
Ethernet function selection 1	Pr.1427	5000 to 5002,5006 to 5008	*1
Ethernet function selection 2	Pr.1428	9999	*2
Ethernet function selection 3	Pr.1429	9999	*2
Ethernet signal loss detection function selection	Pr.1431	0	*2
Ethernet communication check time interval	Pr.1432	9999	*2
Ethernet IP address 1	Pr.1434		
Ethernet IP address 2	Pr.1435	0 to 255	*1
Ethernet IP address 3	Pr.1436	0 10 255	1
Ethernet IP address 4	Pr.1437		
Subnet mask 1	Pr.1438	255 (Default value)	*1 *2
Subnet mask 2	Pr.1439	255 (Default value)	*1 *2
Subnet mask 3	Pr.1440	255 (Default value)	*1 *2
Subnet mask 4	Pr.1441	0 (Default value)	*1 *2

Set the parameters of the communication settings with PU (operation panel or parameter unit).

An inverter reset after the setting is required for the parameters of the communication settings.

Do not change the parameters of the communication settings with the GOT. There are cases where the inverter cannot communicate with the GOT when the parameters are changed with the GOT.

*1: Settings of the GOT can be changed. When changing the settings, also change the settings of the inverter.

*2: Change the settings depending on the operation environment.

*3: Because the default value of the inverter is "0: disabled", change the value to 1 or 2 when using PLC function. [Additional Explanation]

When trying to monitor the devices of the PLC such as X and Y at the time when Pr.414 "PLC function operation selection" is " 0: disabled ", the system alarm "322 Dedicated device is out of range. Confirm device range." is output.

7.4.4 Settings of Sample Screen

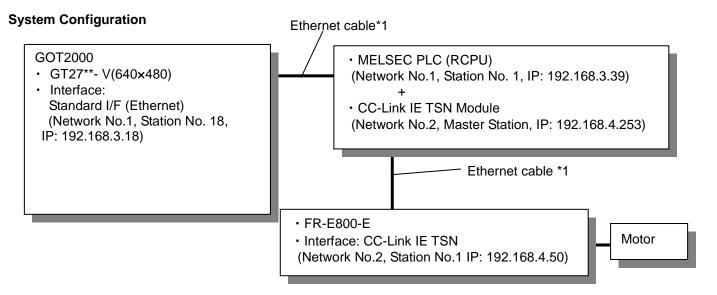
Station Number Switching

In this sample screen, station No. can be switched between 1 and 16 in the default setting. When switching to the number other than 1 to 16 such as station number 17, please refer to "7.7 Changing the Inverter Network No. and Station No." and change the settings according to the system configuration.

7.5 Connecting GOT and Inverter via PLC (CC-Link IE TSN)

This sample screen can also be used for connecting GOT2000 and MELSEC iQ-R series PLC via Ethernet and then connecting the PLC and the inverter *1 via CC-Link IE TSN master/local module. *2 The setting example for connection via MELSEC iQ-R CPU and CC-Link IE TSN master/local module is as below.

- *1: For the FR-E800-E inverter
- *2: Connection via CC-Link IE TSN limits the operation of the operation command screens and [Machine Diagnosis (Load Characteristics. Measurement)] screen. For details, please refer to "8.Limitations".



*1: For more details on the cable, please refer to "GOT2000 Series Connection Manual (Mitsubishi Products)".

7.5.1 Controller Setting of GOT

(1) Controller Setting

Item	Set Value	Remarks
Manufacturer	MITSUBISHI ELECTRIC	
Controller Type	MELSEC iQ-R, RnMT/NC/RT,CR800-D	
I/F	Ethernet: Multi	

(2) Detail Setting

Item	Set Value	Remarks
GOT NET No.	1	
GOT Station	18	
GOT Communication Port No.	5001	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	

(3) GOT Ethernet Setting

Item	Set Value	Remarks
Update GOT Ethernet Standard Port Setting	Checked	
GOT IP Address	192.168.3.18	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	

(4) Connected Ethernet Controller Setting

	Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
1	*	1	1	RCPU	192.168.3.39	5006	UDP

(5) Routing Information Settings

Routing information setting is required in order to connect to a different network. Set as below.

	Transfer Net No.	Relay Net No.	Relay Station No.
CH1	2	1	1

7.5.2 PLC Side Settings (GX Works3)

(1) Select [Parameter]-[Module Information] and add RJ71GN11-T2.

Set the station type and network number under [Required Settings] - [Station Type].

Item	Set Value	Remarks
Station Type	Master Station	
Network No.	2	
IP Address	192.168.4.253	

(2) Set the network configuration under [Basic Settings] - [Network Configuration Settings]. For detail, please refer to the user's manual of the devices in use.

7.5.3 Inverter FR-E800-E Communication Settings

Set the parameters of the communication settings with PU (operation panel or Parameter unit). An inverter reset after the setting is required for the parameters of the communication settings.

Item	Parameter	Set Value	Remarks
Ethernet function selection 1	Pr.1427	5001	
Ethernet function selection 2	Pr.1428	45237 (Default value)	
Ethernet function selection 3	Pr.1429	45238 (Default value)	
Ethernet function selection 4	Pr.1430	9999	
Ethernet IP address 1	Pr.1434		
Ethernet IP address 2	Pr.1435	0 to 255	*1
Ethernet IP address 3	Pr.1436	0 10 255	
Ethernet IP address 4	Pr.1437		
Subnet mask 1	Pr.1438	255 (Default value)	*1 *2
Subnet mask 2	Pr.1439	255 (Default value)	*1 *2
Subnet mask 3	Pr.1440	255 (Default value)	*1 *2
Subnet mask 4	Pr.1441	0 (Default value)	*1 *2

*1: Settings of the GOT can be changed. When changing the settings, also change the settings of the inverter.

*2: Change the settings depending on the operation environment.

7.5.4 Settings of Sample Screen

Station Number Switching

In this sample screen, station No. can be switched between 1 and 16 in the default setting. When switching to the number other than 1 to 16 such as station number 17, please refer to "7.7 Changing the Inverter Network No. and Station No." and change the settings according to the system configuration.

7.5.5 Precautions

When connecting GOT2000 to the inverter via CC-Link IE TSN, the value cannot be written to the link devices (RX, RY, RWw, RWr) which the functions (signals) are assigned to by GOT.

Forward command is assigned to RYn0, and reverse command is assigned to RYn1. Therefore forward/reverse command cannot be input by [Forward] and [Reverse] switches in the operation command screens (B-12120 and B-12121) and [Auto measure] switch in [Machine diag.(load char. meas.)] screen (B-12310).

Change the link devices (RX, RY, RWw, RWr) of the master station to control the link devices (RX, RY, RWw, RWr) value.

The screens below have the limitations in this sample screen.

Screen	Limitations
B-12120, B-12121	[Forward] or [Reverse] cannot be performed.
B-12310	[Auto measure] cannot be performed.

For the functions (signals) assigned to the link devices, please refer to "INVERTER FR-E800 Instruction Manual (Communication)".

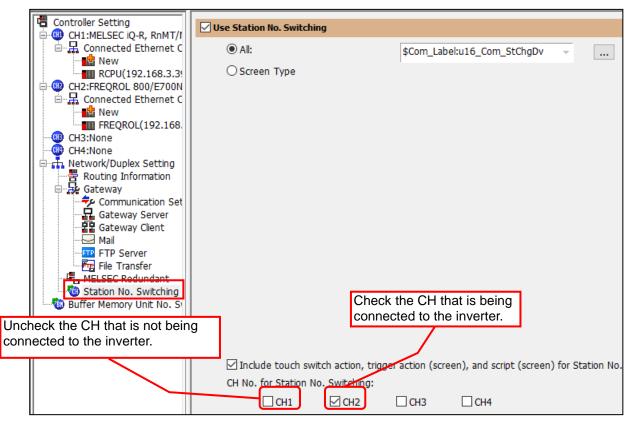
7.6 Changing the Communication Settings of the Inverter from CH1 in [Controller Setting]

In this sample, the statuses of the inverters are monitored by connecting the GOT's CH1 to multiple inverters, and switching the station number of monitoring destination of CH1.

When connecting inverters to the channels other than the CH1, change the settings as below.

Setting Example: When connecting the inverter to CH2

(1) Open [Station No. Switching] in the [Controller Setting] tree and check the CH that is being connected to the inverter under [CH No. for Station No.Switching].



(2) Go to [Search/Replace] - [Batch edit] to select [CH No]. Check [Project] of [Target] and click [Find Now] to display "1" in [Before] and [After]. Change the "1" in "After" to "2" and click "Replace".

CH No. Batch Edit	×
Attribute: CH No. V	
Target	
☑ Project	
Editing Screen V Base Screen V From: 1 🔭 To: 32767 🐳	
Category: Switch \vee	
Common settings (excluding settings of each screen.)	
Script Text: All Script	
Q Find Now	
× 34.	
Before After	
1 1 2 🔽	
2	
Replace Close	

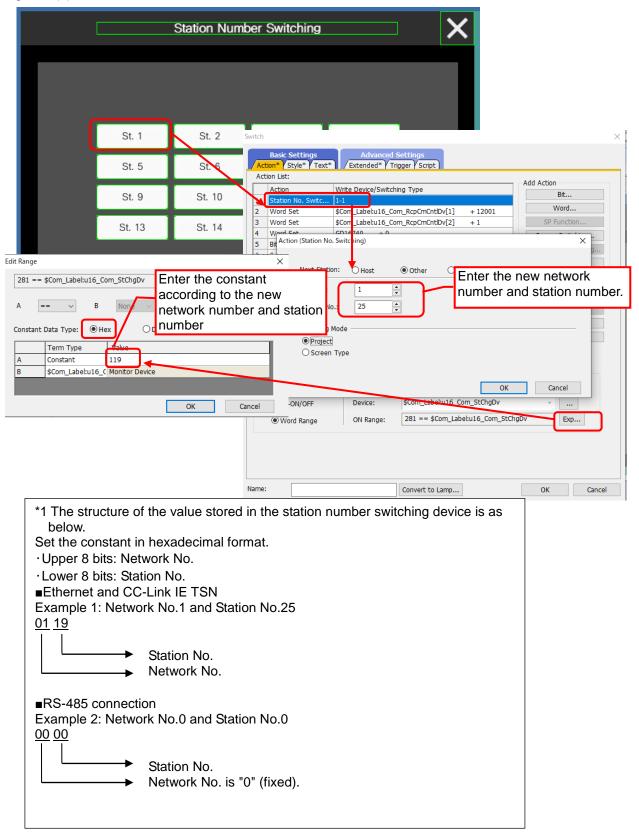
7.7 Changing the Inverter Network No. and Station No.

Apply the settings below in order to change the inverter network number and station number.

Switches in B-14000 [Station Number Switching] Screen

(1) Open the [Station No. Switching] under [Action List] and change the network number and station number.

(2) Change the [Constant] of the [Lamp] function to the same network number and station number that have been changed in (1)*1.



Recipe Settings

The recipe settings for the station number 1 to 16 have been set with the recipe number 12001 to 12016. When the network number and the station number are changed, setting of the devices registered in the recipe settings also needs to be changed.

(1) Change devices of recipe settings using [Batch Edit] in GT Designer3.

In GT Designer3, go to [Search/Replace] – [Batch Edit] and select [Network] and make changes from the [Network Batch Edit] dialog.

- (a) Select [Project] under [Target].
- (b) Click [Find Now].
- (c) Select "1-1" and click displayed [▼].
- (d) Input the network number and station number you wish to change in the [After] column.
- (e) Click [Replace].

letwork Batch Edit			×				
Attribute: Net	work ~						
Target	(a)						
Project	1 • • •						
Editing S	creen V Base Screen	✓ From: 1 ▲ To	32767				
			, ,				
Categ		\		_			
	settings (excluding settings of each	screen.)	(b))			
Script Tex	t: All Script	~		/			
			Q Find Now				
		Recipe devi	ce for each sta	ation num	her		
📉 🕅 🏹						atation	
	Before		vice is the net	work num	ber and the	station	number.
	Before 0-EE	Alter	vice is the net	_	ber and the	station	number.
1	0-FF	O-FF		(c)		station	number.
1	0-FF 1-1	0-FF 1-1	vice is the net	(c)			
3	0-FF 1-1 1-2	0-FF 1-1 1-2		(c) (d) Change	to the	new networ
3 4	0-FF 1-1 1-2 1-3	лісен 0-ff 1-1 1-2 1-3		(c) (to the	new networ
3 4 5	0-FF 1-1 1-2 1-3 1-4	0-FF 1-1 1-2 1-3 CH1 FRE	QROL 800/E700NE(Batch	(c) (d) Change	to the	new networ
3 4 5 6	0-FF 1-1 1-2 1-3 1-4 1-5	0-FF 1-1 1-2 1-3 CH1 FRE Notwork	QROL 800/E700NE(Batch	(C) monitor	d) Change	to the	new networ
3 4 5 6 7	0-FF 1-1 1-2 1-3 1-4	0-FF 1-1 1-2 1-3 CH1 FRE Notwork	QROL 800/E700NE(Batch	(C) monitor	d) Change	to the station	new networ
3 4 5 6	0-FF 1-1 1-2 1-3 1-4 1-5 1-6	0-FF 1-1 1-2 1-3 CH1 FRE Notwork	QROL 800/E700NE(Batch	(C) monitor	d) Change number and	to the station	new networ
3 4 5 6 7 8	0-FF 1-1 1-2 1-3 1-4 1-5 1-6 1-7	0-FF 1-1 1-2 1-3 CH1 FRE Notwork	QROL 800/E700NE(Batch	(C) monitor	d) Change number and	to the station	new networ number.
3 4 5 7 8 9	0-FF 1-1 1-2 1-3 1-4 1-5 1-6 1-7 1-8	0-FF 1-1 1-2 1-3 CH1 FRE Notwork	QROL 800/E700NE(Batch	(C) monitor	d) Change number and	to the station	new networ
3 4 5 6 7 8 9 10	0-FF 1-1 1-2 1-3 1-4 1-5 1-6 1-7 1-8 1-9	0-FF 1-1 1-2 1-3 CH1 FRE Nature O H	QROL 800/E700NE(Batch	(C) monitor	d) Change number and	to the station	new networ number.

Open the [Device] tab in the recipe setting for the station number you are changing and confirm that the devices have been changed.

Project # ×	/ 🗖 B-	12000:Main Me 🗙									
Project	Reci	De .									
System	/Basic)/Device / File Save										
Project Biolination											
🍈 Label	Block Number: 5 💿 Record Number: 1 🗇 Character Code: ASCII 🗸 Storage Order: Low -> High 🗸 Record Attribute										
- 👰 Comment	BIOCK	Number: p	Record		naracter Co	de: ASCII	Storage Order:	Low -> High V Re	cord Attribute		
• Alarm	E n X E K 🔗 X In Ex										
Logging											
Recipe						1					1
Recipe Common Setting	No.	Device		Device	ints	Character Count (one-byte)	Display Type	Real Expression	Decimal Point	Device Comment	Record 1 No.1
New 12000 Backup st. No. in power failure	1	1-1 LPr0	-		-		Real	Fixed Decimal	3		
12000 Backup st. No. in power failure				1-25 LPr0	1	•	Keal	Fixed Decimal	3		
12001 Station number 1	2	1-1 LPr1		1-25 LPr1							
12002 Station number 2	3	1-1 LPr2		1-25 LPr2							
- 🖫 12003 Station number 3	4	1-1 LPr3		1-25 LPr3							
12004 Station number 4					_						
12005 Station number 5	5	1-1 LPr4	┶	1-25 LPr4							
12006 Station number 6	6	1-1 LPr5		1-25 LPr5							
12007 Station number 7	7	1-1 LPr6		1-25 LPr6							
12009 Station number 9											
12009 Station number 9	8	1-1 LPr7		1-25 LPr7	_						
12010 Station number 10	9	1-1 LPr8		1-25 LPr8							
12012 Station number 12	10	1-1 LPr9		1-25 LPr9							
12013 Station number 13				1-25 LPr79				5 I. I. I.			
I2014 Station number 14	11	1-1 LPr79				-	Real	Fixed Decimal	3		
12015 Station number 15	12	1-1 LPr125		1-25 LPr125			Real	Fixed Decimal	3		
12016 Station number 16	13	1-1 LPr126		1-25 LPr126							
12100 Parameter Selection	14	1-1 LPr160		1-25 LPr160			Real	Fixed Decimal	3		
12200 Parameter (Bookmark)						-					
Script	15	1-1 LPr999	J	1-25 LPr999		-	Real	Fixed Decimal	3		

- (2) Open the recipe settings of the station number you are changing and change the [Recipe Name] to the new station number name under the [Basic] tab.
- * Do not change the [Recipe No.] under the [Basic] tab, otherwise the parameter recipe will not work properly.

	🖫 Recipe							
	Basic Device File Save							
l		Enter the new station number.						
	Recipe No.: 12001 🗬 Recip	pe Name: Station number 1						
	Recipe Data							
Recipe Data Save Location:		Data Storage (Recipe File)(read and write) $\qquad \sim$						
	File Format:	● G2P (Binary) ○ Unicode Text ○ CSV						

(3) Change the comment of each switch in the B-14000 [Station Number Switching] screen. Change the comments for the station number you are changing that have been set in the comment number 6002 to 6017 in the comment group number 301.

□ Project □				The Nex	
Project Information Apple Label	Column No.	1 <remark></remark>	2 <remark></remark>	3 <remark></remark>	
Comment	Windows Font	None	None	None	
- @ 300 Screen title @ 301 Screen comment	Comment No. (DEC)	KANJI Region Japan	KANJI Region Japan	KANJI Region China(GB)-Mincho	
- 310 Parameter - 311 Unit	3226	ABC Relay Enter t	he new station num	ber. ^{"#}	
- 7 320 Batch Monitor - 7 330 Alarm code - 7 331 Alarm name	3227	The remaining time occurs at the time of errors. When the value is 15% or less, it is recommended to replace	エラー時に発生するリレーONの残回 数です。 15%以下が交換時期の目安です。	错误时发生继电器ON的剩余次 数。 建议在15%以下时进行更换。	
		С. С. 1			
		St. 1	1局	1号	
Eugging		6003 St. 2 2局		2号	
⊕-III Recipe ⊕-III Script		St. 3	3局	3号	
Device Data Transfer	6005	St. 4	4局	4号	
	6006	St. 5	5局	5号	
Time Action	6007	St. 6	6局	6号	
Hard Copy	6008	St. 7	7局	7号	
Application Selection	6009	St. 8	8局	8号	
Parts	6010	St. 9	9局	9号	
⊕-ୟ)) Sound	6011	St. 10	10局	10号	
	6012	St. 11	11局	11号	
	6013	St. 12	12局	12号	
	6014	St. 13	13局	13号	
	6015	St. 14	· 14局	14号	
	6016	St. 15	15局	15号	
	6017	St. 16	16局	16号	
	7002	Update Date and Time	更新日時	更新日期和时间 5 法	

8. Limitations

Limitations of this sample screen is explained below.

8.1 Limitations of Link Devices

When connecting GOT2000 to the inverter via CC-Link IE TSN, the value cannot be written to the link devices (RX, RY, RWw, RWr) which the functions (signals) are assigned to by GOT.

Forward command is assigned to RYn0, and reverse command is assigned to RYn1. Therefore forward/reverse command cannot be input by [Forward] and [Reverse] switches in the operation command screens (B-12120 and B-12121) and [Auto measure] switch in [Machine diag.(load char. meas.)] screen (B-12310).

Change the link devices (RX, RY, RWw, RWr) of the master station to control the link devices (RX, RY, RWw, RWr) value.

The screens below have the limitations in this sample screen.

Screen	Limitations
B-12120, B-12121	[Forward] or [Reverse] cannot be performed.
B-12310	[Auto measure] cannot be performed.

8.2 Switching from the User Screen

When switching from the user screen to this sample screen, make sure to switch via [Main Menu] screen (B-12000). If switching without switching to [Main Menu] screen (B-12000), there is a possibility that the GOT does not operate correctly.

8.3 SD Card

When using this sample screen, make sure to insert the SD card to the GOT before turning on the GOT. If inserting the SD card after turning on the GOT, there is a possibility that the GOT does not operate correctly.

9. Precautions

Precautions of this sample screen is explained below.

9.1 When Having Changed the Settings of Recipe Function Set in This Sample Screen

When having changed the settings of the recipe function in this sample screen, clear the SRAM of the GOT and delete the recipe files stored in the SD card.

When the clearing and deleting is not performed, there is a possibility that a system alarm occurs in the GOT, and the recipe function does not operate correctly.

9.2 Trigger of Recipe Function

When using the recipe function in user's project data, make sure to perform the setting to turn off the write trigger device and the read trigger device of the recipe after the recipe starts to operate. Otherwise, the recipe setting of this sample screen does not operate correctly.

9.3 When the SD Card or the SRAM User Area of the GOT Does Not Have the Sufficient Available Space

Recipe function is used in this sample screen, and the data of the recipe function is stored in the SD card and the SRAM area of the GOT. When the SD card or the SRAM user area of the GOT does not have the sufficient available space at the time of storage, the following system alarms occur.

■When the SRAM user area does not have the sufficient available space System alarm "527 Insufficient SRAM capacity".

■When the SD card does not have the sufficient available space

System alarms "582 Cannot generate Advanced recipe file." and "330 Insufficient memory media capacity. Confirm M-card capacity."

When the system alarms occur, reserve free space of the SD card or the SRAM user area of the GOT. For SRAM user area, please refer to "GOT2000 Series User's Manual (Utility)".

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