Mitsubishi Electric Corporation
AnyWireASLINK Master Module
(MELSEC iQ-R/Q/L)
iQSS Utility Linkage
Network Monitor Function

Sample Screen Manual

Mitsubishi Electric Corporation

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■Reference Document

Manual	Control No.	Revised
MELSEC iQ-R AnyWireASLINK Master Module User's Manual (Startup)	SH(NA)-081584ENG-E	March 2021
MELSEC iQ-R AnyWireASLINK Master Module User's Manual (Application)	SH(NA)-081585ENG-E	March 2021
MELSEC iQ-R AnyWireASLINK マスタユニット ユーザーズマニュアル(スタートアップ編)	SH(名)-081582-E	March 2021
MELSEC iQ-R AnyWireASLINK マスタユニット ユーザーズマニュアル（応用編）	SH(名)-081583-E	March 2021
MELSEC iQ-R AnyWireASLINK主站模块 用户手册(入门篇)	SH(NA)-081630CHN-C	September 2020
MELSEC iQ-R AnyWireASLINK主站模块 用户手册(应用篇)	SH(NA)-081633CHN-C	September 2020

CONTENTS

REVISIONS

■Sample Screen Manual

Date	Control No.*	Description
2021/6	BCN-P5999-1386	First edition
2022/1	BCN-P5999-1386-2	・Word slave modules are supported (only by MELSEC iQ-R series). ・Descriptions of the method for setting the names of word slave modules are added. ・Screen descriptions for "Input/Output Signal Monitor" screen and "Registered Signal Monitor" screen are added.
2025/4	BCN-P5999-1386-2a	Modified the method for obtaining this sample.

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

■Project Data

Date	Project Data	GT Designer3 *	Description
2021/6	AnyWireASLINK_iQSS_V_Ver1_E.GTX	1.260W	First edition
2022/1	AnyWireASLINK_iQSS_V_Ver2_E.GTX	1.265B	・Word slave modules are supported. ・"Input/Output Signal Monitor" screen and "Registered Signal Monitor" screen are added.
2025/4	AnyWireASLINK_iQSS_V_Ver2a_E.GTX	1.265B	No modification

* 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.

1. OUTLINE

This manual explains the sample screens of GOT2000 connected to a MELSEC iQ-R Series CPU module via Ethernet. In the sample screens, the statuses and I/O signals of the slave modules that are connected to the AnyWireASLINK master module can be monitored, and the parameters of the slave modules can be set. In addition, the dedicated detail screen can be displayed only by preparing the profiles of the slave modules because the sample screens are linked with the iQSS utility function that is a special function of the GOT.
The sample screens can be used in the system configuration that includes MELSEC Q Series and MELSEC L Series AnyWireASLINK master modules by changing the settings of the CPU module. Then, refer to "6.2.2 Correction of the Sample Screen Data".

2. SYSTEM CONFIGURATION

2.1 Supported GOT

GOTs supported in the sample screens are as follows.

- GT27 model
- GT25 model

* The sample screens are created in accordance with GT27**-V (640×480).
For how to change the GOT model, refer to "GT Designer3 (GOT2000) Screen Design Manual".

2.2 Necessary Equipment

Necessary equipment to use the sample screens is as follows.

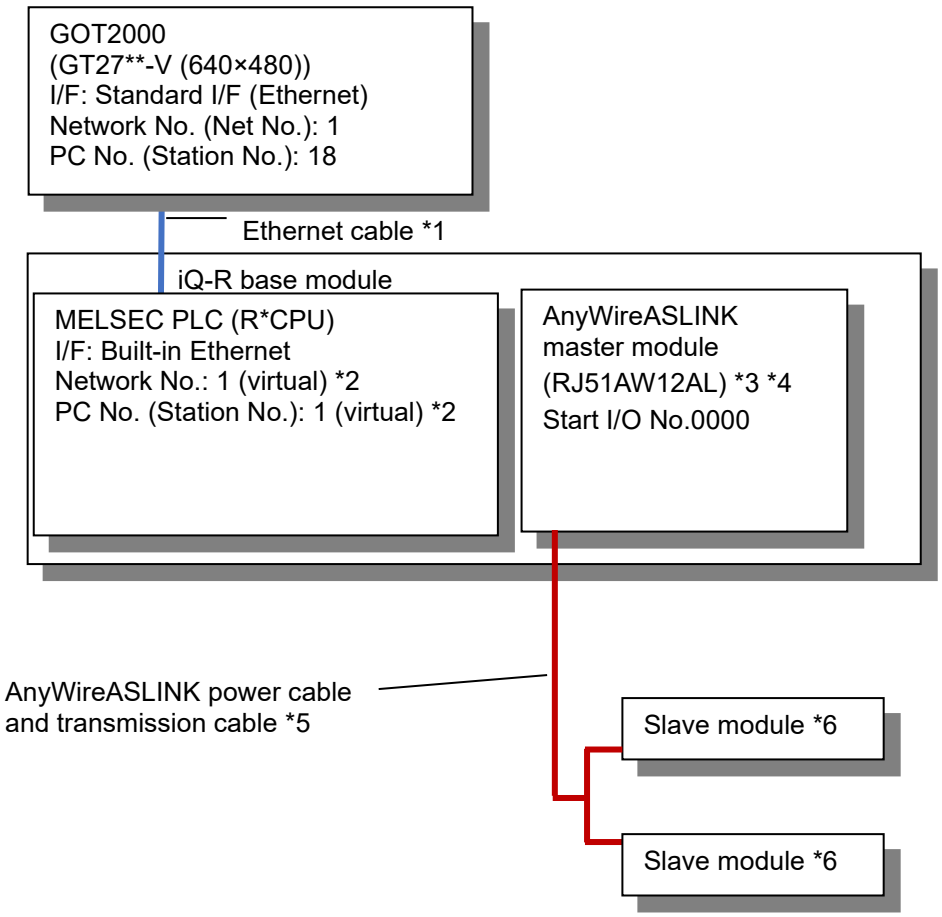
Equipment	Application	Remarks
Programmable controller (MELSEC iQ-R)	Equipment for system configuration	
AnyWireASLINK master module (RJ51AW12AL)		
AnyWireASLINK slave module		
AnyWireASLINK power cable		
AnyWireASLINK transmission cable		
Ethernet cable		
SD card	iQSS utility function *1 Recipe function (File save)	
Battery (GT11-50BAT)	Clock data	Included in a GOT as standard.

*1: CSP+ for iQSS data needs to be stored in the SD card in advance.
For details, refer to "7.1 Preparation of CSP+ for iQSS Data".

2.3 Connection Configuration

Connection configuration supported in the sample screens is as below.

(1) Ethernet Connection



*1: For details on the Ethernet cable, refer to the following manual.
->"GOT2000 Series Connection Manual (Mitsubishi Electric Products)"

*2: Although there is no setting item on the programmable controller side, a virtual value needs to be set on the GOT side.
For the setting method, refer to the following manual.
->"GOT2000 Series Connection Manual (Mitsubishi Electric Products)"

*3: In the sample screens, master modules can be switched and monitored by registering up to 16 master modules to the recipe.
For the setting method, refer to the following section.
->"6.3.4 Registration of Master Modules"

*4:The word transmission of AnyWireASLINK is supported by RJ51AW12AL whose first two digits of the manufacturing information are "03" or later.

*5: For details on the AnyWireASLINK power cable and transmission cable, refer to the following manual.
->"MELSEC iQ-R AnyWireASLINK Master Module User's Manual (Application)"

*6: When performing word transmission, configure the system only with slave modules supporting word data. For the availability of word transmission for each slave module, refer to the manual of the slave modules (Anywire Corporation) used.

3. PROJECT SPECIFICATION

3.1 System Application

Type	System Application Name		
Standard Function	Standard System Application		
	Standard Font	Japanese	
Communication Driver	Ethernet Connection	Ethernet (MITSUBISHI ELECTRIC), Gateway	
Extended Function	Standard Font		Chinese (Simplified)
	Outline Font	Gothic	Alphanumeric/Kana
			Japanese (Kanji)
			Chinese (Simplified) Kanji
	Key Window Design Information		
	iQSS Utility		

3.2 Controller Setting

■Settings for Each Channel

CH	Item	Set Value	Remarks
CH1	Manufacturer	MITSUBISHI ELECTRIC	
	Controller Type	MELSEC iQ-R, RnMT/NC/RT, CR800-D	
	I/F	Ethernet: Multi	
CH2	None		
CH3	None		
CH4	None		

■CH1 Detail Setting

Item	Set Value		Remarks
GOT NET No.	1	(Default value)	
GOT Station	18	(Default value)	
GOT Communication Port No.	5001	(Default value)	
Retry (Times)	3	(Default value)	
Startup Time (Sec)	3	(Default value)	
Timeout Time (Sec)	3	(Default value)	
Delay Time (ms)	0	(Default value)	
CPU No. switching GD device first No. (3 points)	500	(Default value)	
Module No. switching GD device first No. (16 points)	550	(Default value)	
Servo axis switching GD device first No. (16 points)	10	(Default value)	

■CH1 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

■ Buffer memory unit No. switching

Item	Set Value	Remarks
Buffer memory unit No. switching device	$Com_Label:u16_Com_BufMemUnitNumDv	
Specify the target unit No. switching	FF	

3.3 GOT Ethernet Setting

■GOT IP Address Setting

Port	Item	Set Value	Remarks
Standard Port	Update GOT Ethernet Standard Port setting	Selected (Default value)	
	GOT IP Address	192.168.3.18 (Default value)	
	Subnet Mask	255.255.255.0 (Default value)	
Extended Port	None		
Wireless LAN	None		

■GOT Ethernet Common Setting

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

3.4 Graphics Mode (Graphics Setting)

Graphics mode is GOT Graphic Ver.2.

* In the sample screens, parts movement (Move Way: Circle) is used for the display during the parameter reading process. When utilizing the sample screens in the project data of GOT Graphic Ver.1, replace the parts movement object with another object since GOT Graphic Ver.1 does not support parts movement (Move Way: Circle)

3.5 Device List

Some of the devices set 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 details on [Batch Edit], refer to "GT Designer3 (GOT2000) Screen Design Manual".

3.5.1 Controller Devices

For the controller devices used in the sample screens, refer to "MELSEC iQ-R AnyWireASLINK Master Module User's Manual (Application) ".

3.5.2 GOT Internal Devices

■GB Devices (Unchangeable)

Type	Device No.	Application
Bit	GB40	Script trigger (Always ON)

■GB Devices (Changeable)

Type	Device No. *1	Application
Bit	GB53000 to GB53451	Used for display and operation of the sample screens
	GB53701 to GB54175	

*1 When changing a device No., change the target device No. collectively for blocks on each line.
For details, refer to "6.2.2 Correction of the Sample Screen Data".

■GD Devices (Changeable)

Type	Device No. *1	Application
Word	GD52000 to GD52895	Parameters for iQSS utility special control (Areas used in the sample screen)
	GD52896 to GD53231	Parameters for iQSS utility special control (Areas can be used by a user)
	GD53300 to GD53888	For display and operation of the sample screens
	GD53900 to GD53919	Information related to master module switching
	GD53930 to GD53949	Sensing level high and low limit value settings
	GD53970 to GD53972	Timeout process of loop scripts
	GD53974 to GD53999	For script operation
	GD54000 to GD54355	For display and operation of the sample screens
	GD65200 to GD65298	Sample screen common label (GT Designer3)

*1 When changing a device No., change the target device No. collectively for blocks on each line.
Additionally, when changing the device No. of a parameter for iQSS utility special control, change the definition of the local symbols in the script part as well.
For details, refer to "6.2.2 Correction of the Sample Screen Data".

■GS Devices (Unchangeable)

Type	Device No.	Application
Bit	GS512.b0	Time change information
	GS1220.b0	Error detection during iQSS utility special control
	GS1810.b0	Enable iQSS utility special control function
Word	GS7	One second binary counter
	GS513 to GS516	Changed time
	GS650 to GS652	Current time
	GS1221	iQSS utility special control error sensor device No.
	GS1811	iQSS utility special control start GD device No. specification
	GS1812	Number of parameters for iQSS utility special control

■**Script parts temporary device area (Changeable) *1**

Type	Device No.	Application
Word	PTMP0	The No. of error ID information
	PTMP1 to PTMP128	Error ID information storage area
	PTMP300	The No. of connected ID information
	PTMP301 to PTMP428	Connected ID information storage area
	PTMP600	The No. of alarm ID information
	PTMP601 to PTMP728	Alarm ID information storage area
	PTMP800 to PTMP996	For script operation
	PTMP1000 to PTMP1255	Parameter storage destination memory No. (bit output)
	PTMP1500 to PTMP1755	Parameter storage destination memory No. (bit input)
	PTMP2000 to PTMP8144	Parameter storage area
	PTMP8200 to PTMP8711	Parameter storage destination memory No. (word output)
	PTMP8712 to PTMP9223	Parameter storage destination memory No. (word input)

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

3.5.3 Label (GT Designer3)

■**Label: No.100 Com_Label**

Label name	Data type	Assigned (Device)	Application
u16_Com_CngBsDv	Unsigned BIN16	GD65200	Screen switching device (base screen)
u16_Com_CngOvrRpDv1	Unsigned BIN16	GD65201	Screen switching device (overlap window 1)
u16_Com_CngOvrRpDv2	Unsigned BIN16	GD65204	Screen switching device (overlap window 2)
u16_Com_CngOvrRpDv3	Unsigned BIN16	GD65207	Screen switching device (overlap window 3)
u16_Com_CngOvrRpDv4	Unsigned BIN16	GD65210	Screen switching device (overlap window 4)
u16_Com_CngOvrRpDv5	Unsigned BIN16	GD65213	Screen switching device (overlap window 5)
u16_Com_CngSprInpsDv1	Unsigned BIN16	GD65216	Screen switching device (superimpose window 1)
u16_Com_CngSprInpsDv2	Unsigned BIN16	GD65217	Screen switching device (superimpose window 2)
u16_Com_CngDlgDv	Unsigned BIN16	GD65218	Screen switching 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	GD65231	System information reading device / System signal 1-1
s16_Com_StmInfWt	Signed BIN16	GD65241	System information writing device / System signal 2-1
s16_Com_StmInfWt_NtcBsDv	Signed BIN16	GD65250	Current base screen No.
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 status display notification device
u16_Com_DocEndPageNum	Unsigned BIN16	GD65283	Document display final page No. notification device
u16_Com_RcpCmCntlDv	Unsigned BIN16 [0..2]	GD65290	Recipe common settings external control information
u16_Com_RcpCmNtcDv	Unsigned BIN16 [0..2]	GD65293	Recipe common settings external notification information
u16_Com_StChgDv	Unsigned BIN16	GD65296	Station No. switching device
u16_Com_StmAlmNumOfOccStr	Unsigned BIN16	GD65297	System alarm observation occurrence No. storage
u16_Com_BufMemUnitNumDv	Unsigned BIN16	GD65298	Buffer memory unit No. switching device

3.6 Comment

Characters displayed on the screen can be displayed in three languages: Japanese, English, and Chinese (simplified). Characters of each language are registered to Column No.1 to 3 of comment group No.400 to 500. Storing the column No. in the language switching device displays the language corresponding to the column No.

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

Comment group No.	Application
400	Names of the master modules are registered.
410	Names of the slave modules of the master module No.1 are registered.
411	Names of the slave modules of the master module No.2 are registered.
412	Names of the slave modules of the master module No.3 are registered.
413	Names of the slave modules of the master module No.4 are registered.
414	Names of the slave modules of the master module No.5 are registered.
415	Names of the slave modules of the master module No.6 are registered.
416	Names of the slave modules of the master module No.7 are registered.
417	Names of the slave modules of the master module No.8 are registered.
418	Names of the slave modules of the master module No.9 are registered.
419	Names of the slave modules of the master module No.10 are registered.
420	Names of the slave modules of the master module No.11 are registered.
421	Names of the slave modules of the master module No.12 are registered.
422	Names of the slave modules of the master module No.13 are registered.
423	Names of the slave modules of the master module No.14 are registered.
424	Names of the slave modules of the master module No.15 are registered.
425	Names of the slave modules of the master module No.16 are registered.
430	The names of errors occur in the AnyWireASLINK system are registered.
431	The names of the status errors occur in the AnyWireASLINK system are registered.
435	Corrective actions against the errors occur in the AnyWireASLINK system are registered.
436	Corrective actions against the status errors occur in the AnyWireASLINK system are registered.
440	Comments dedicated to the sample screens are registered.
445	Parameter names for each parameter name group are registered.
500	Comments used common in the sample screen are registered.

3.7 Recipe

■Recipe Common Setting

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

■Recipe

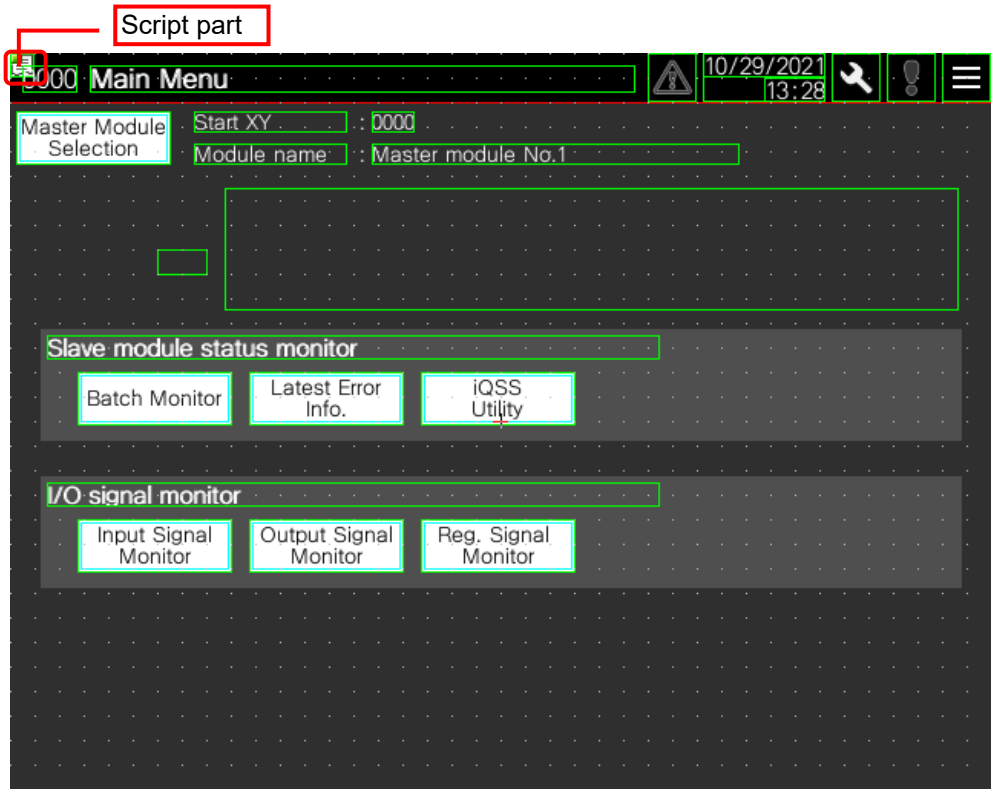
Recipe No.	Application
30200	Retains the master module information monitored by the GOT.
30201	Retains the high limit value and the low limit value of each parameter name group.
30202	Retains the information registered on the "Registered Signal Monitor" screen.

3.8 Script

Item	Script No./Object ID	Set Screen/Set Part
Project script	Yes	-
Screen script	Yes	B-30210 to 30213, B-30220 to 30221, B-30250, B-30260
Object script	Yes	B-30200 to 30260 (word lamps of the error notification in the header), B-30222 (word lamp of I/O), B-30250 (word lamp of I/O)
Script parts	Yes (Placed on the upper left of each screen)	B-30200, B-30210 to 30213, B-30220 to 30222, B-30250, B-30260, B-30290, B-32000

■Position of Script Parts

Example) Base screen B-30200: "Main Menu" screen



4. PLC SIDE SETTINGS (GX Works3)

Default settings in the sample screen are as shown below.
When using the sample screen, change the settings in accordance with your system configuration.

(1) Select [Parameter] - [R**CPU] - [Module Parameter].
Set the IP address in [Own Node Settings] under [Basic Settings].

Item		Set Value	Remarks
Parameter Setting Method		Parameter Editor	
IP Address	IP Address	192.168.3.39	

(2) Right-click [Module Information] under [Parameter], and then select [Add New Module] to add RJ51AW12AL to Start I/O No. "0000H".

(3) Set the following items in [Module Parameter] - [Basic Settings] of RJ51AW12AL.

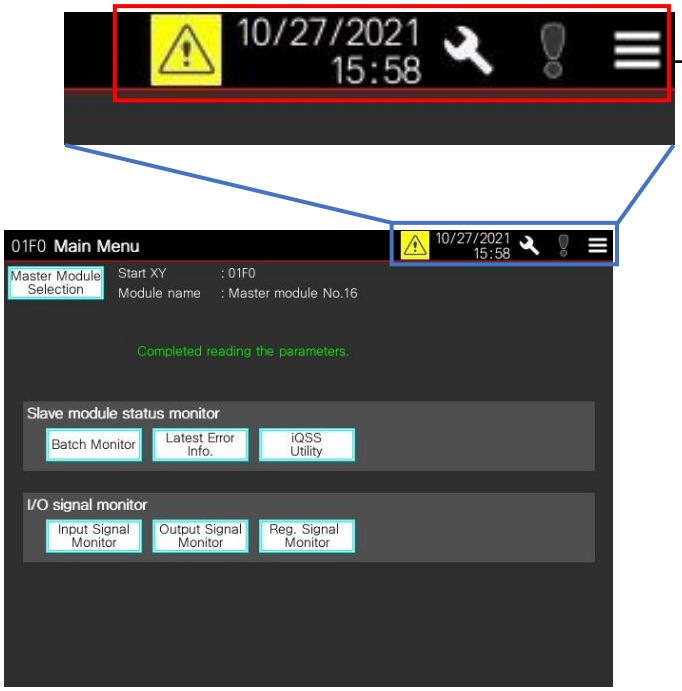
Item	Set Value	
Bit Data Points	3: 512 points (input 256 points, output 256 points)	(Default)
To use or not to use word data setting	1: Use *1	
Word data points setting	512:1024 words (512 words for input, 512 words for output)	
Word data start address	0	(Default)
Word data points setting per frame	5: 32 words (16 words for input, 16 words for output)	

*1 When using an AnyWireASLINK Ver.1.0 slave module, set [0: Not use] to [To use or not to use word data setting].

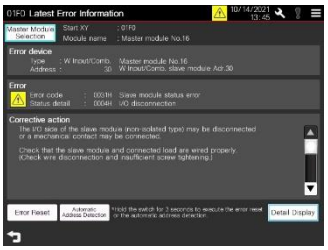
5. SCREEN SPECIFICATIONS

5.1 Screen List/Transition

5.1.1 Screen List/Transition (Common)



Each base screen



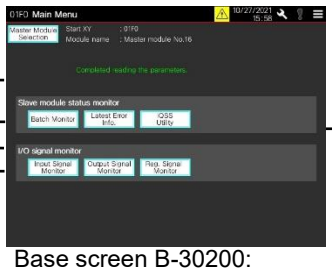
Base screen B-30260:
"Latest Error Information" screen

Base screen B-32000:
"Option Settings" screen

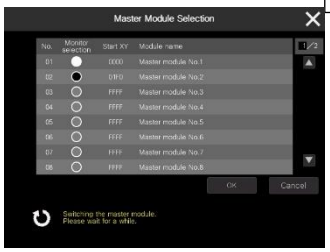
Base screen B-32001:
"System Alarm (GOT)" screen

Base Screen B-30200:
"Main Menu" screen

5.1.2 Screen List / Transition (Individual)

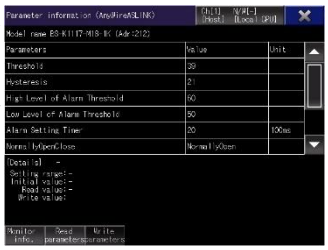


Base screen B-30200:
"Main Menu" screen

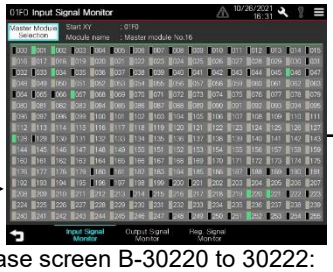


Base screen B-30290:
"Master Module Selection" screen

(1)



iQSS utility function:
"Parameter Information" screen



Base screen B-30220 to 30222:
"Input/Output Signal Monitor" screen
"Registered Signal Monitor" screen

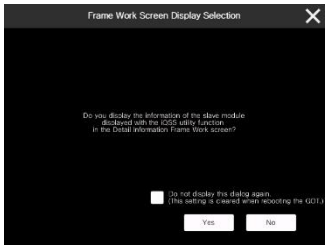
(2)

iQSS utility function:
"Monitoring Information" screen

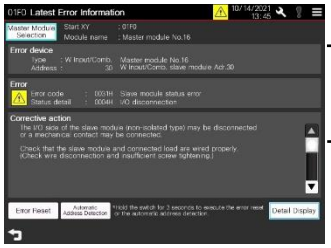
Detail information can be displayed in the iQSS utility

Base screen B-30210 to B-30213:
"Batch Monitor" screen

CSP+ data does not exist.

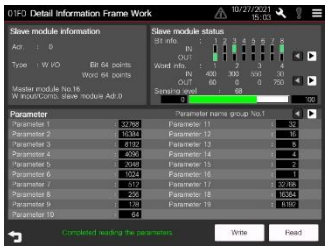


Base screen B-30291:
"Frame Work Screen Display Selection" screen

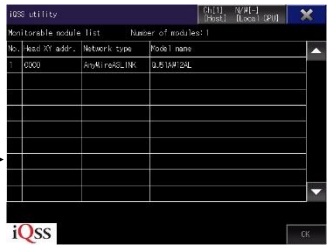


Base screen B-30260 :
"Latest Error Information" screen

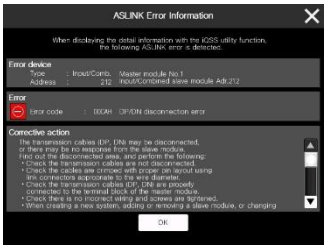
ASLINK error occurrence



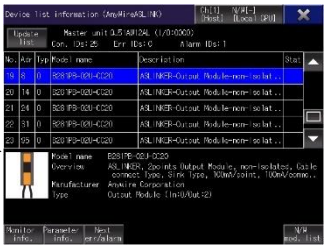
Base screen B-30250:
"Detail Information Frame Work" screen



iQSS utility function:
"Target CPU and Network Module Selection" screen



Base screen B-30292:
"ASLINK Error Information" screen



To (1)

To (2)

iQSS utility function:
"Device List Information" screen

5.2 Descriptions of Screens

This section explains the details of the screens in this sample screen.

5.2.1 Items Common to All Screens

Outline

Common functions and settings in all screens are described.

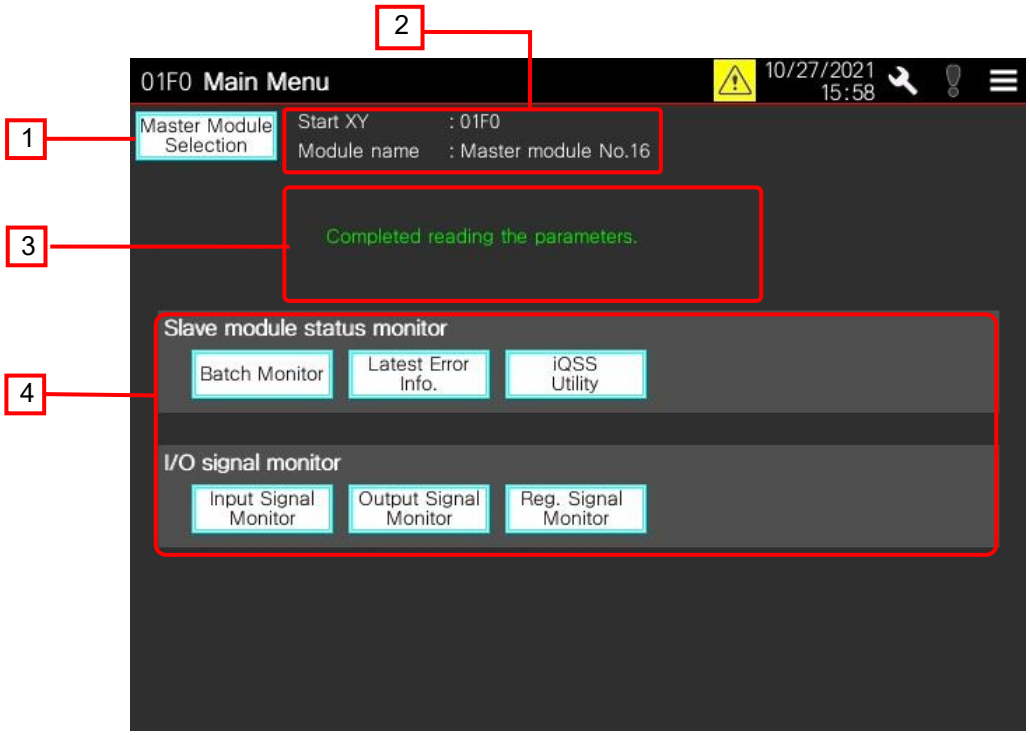
Description

1. Displays the [start I/O number] of the monitored master module.
2. Notifies of the error occurrence in the master module.
   Displays the following icons depending on the type of the error which is currently occurring.
   No error :
   Alarm of the master module :
   Alarm of the slave module :
   Error of the master module :
   Error of the slave module :
   Alarm that is not supported by this sample :
   Touch the icon to display the base screen B-30260: "Latest Error Information" screen.
3. Displays the current date and time. Touch the icon to display the base screen B-32000: "Option Settings" screen.
4. Displays the base screen B-30200: "Main Menu" screen.
5. Notifies of a system alarm occurrence of the GOT. Lights yellow when an alarm is occurring.
   Touch the icon to display the base screen B-32001: "System Alarm (GOT)" screen.
6. Displays the base screen B-32000: "Option Settings" screen.
7. Displays the screen that was previously displayed.

Remarks

- Error occurrence notification in the description 2. can be utilized in a user screen.
  For how to utilize the error occurrence notification, refer to "8.3 Utilizing Error Occurrence Notification of the Header to the User Screen".

5.2.2 Base Screen B-30200: "Main Menu" Screen



Outline

This screen is used to display each function screen. Displayed when starting the sample screen.

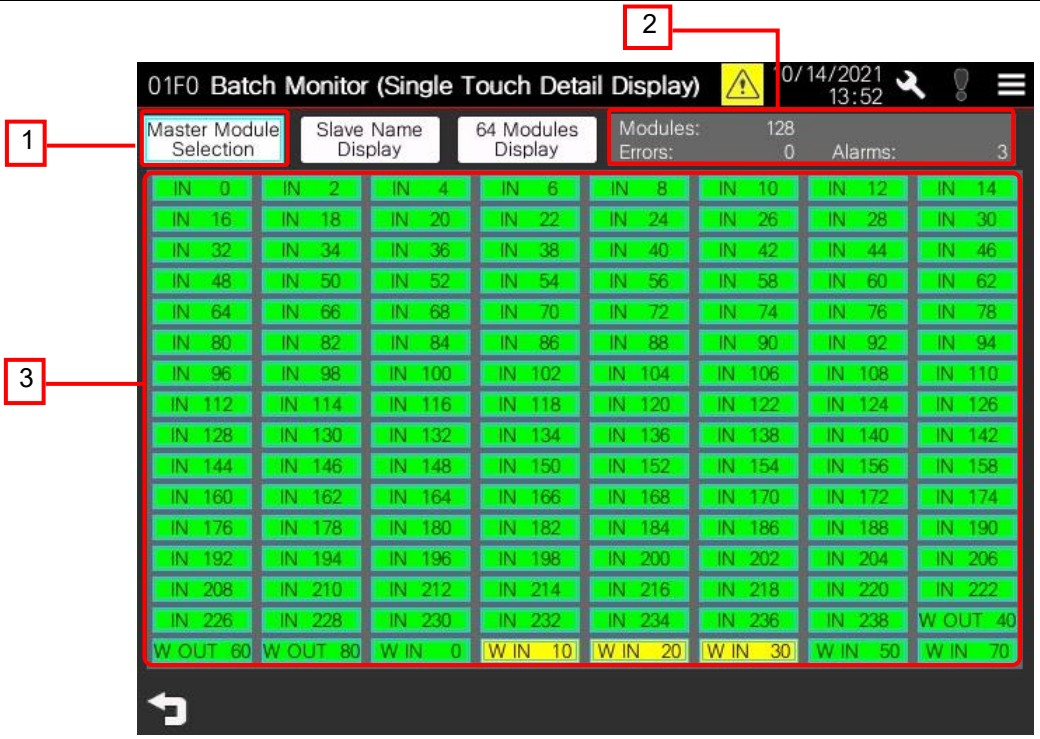
Description

1. Touch the switch to display the base screen B-30290: "Master Module Selection" screen.
2. Displays [start I/O No.] and [master module name] of the master module being monitored. The master module name can be changed to any name. When changing the name, refer to "8.1.1 Setting Master Module Names".
3. Displays the parameter reading status of the slave module.
4. Touch the switch to display each screen.
   While reading the slave module information, the switch turns gray and cannot be operated.

Remarks

- Parameters of the slave module are read when displaying the Main Menu screen for the first time or switching from the user screen to this sample screen. Time for reading is proportional to the number of slave modules connected to the master module.
- The master module information, the upper and lower limit setting of the sensing level, and the information registered on the Signal Monitor screen are read from the recipe at the same time as reading the slave module parameters,.
- Up to 17 full-width characters can be displayed in the master module name.

5.2.3 Base Screen B-30210 to 30213: "Batch Monitor" Screen Common Item



Outline

Slave modules connected to the master module are displayed in a grid list.
A cell in the grid indicates each connected slave module.
In the "Batch Monitor" screen, the operation mode and the number of displayed slave modules can be switched.

[Operation mode]

- Single touch detail display mode:

Touch a cell to display the detail information of the slave module whose type and address are displayed on the cell with the iQSS utility function.

- Slave name display mode:

Touch a cell to select the slave module. Then, the user-defined slave module name is displayed in the lower part of the screen. Touch "Detail display" when the cell is selected to display the detail information of the slave module whose type and address are displayed on the cell with the iQSS utility function.

[The number of displayed slave modules]

- 128 modules display mode

Cells for up to 128 modules are displayed at one time.

- 64 modules display mode

Cells for up to 64 modules are displayed at one time.
This mode is used when the number of the connected slave modules is small, or it is difficult to touch cells in the 128 modules display mode.
With the operation of ⇕ switches, the page can be switched and cells for up to 128 modules can be displayed.

Description
1. Touch the switch to display the base screen B-30290: "Master Module Selection" screen. 2. The number of the following slave modules is displayed. ・ Connected slave modules ・ Slave modules in which errors are occurring ・ Slave modules in which alarms are occurring 3. The following information of each slave module is displayed. ・ Type (Input, Output and Combined, Word input, Word output, Word combined) For word slave modules, "W" is added to the I/O type. Example: "W OUT" is displayed for a word output slave module. ・ Address ・ Status No error: Displayed in green Error occurrence: Displayed in red Alarm occurrence: Displayed in yellow
Remarks
・ A slave module name can be displayed in up to 17 full-width characters (34 half-width characters) with 14 dots, which is the default setting. Additionally, up to two lines are displayed. ・ When the parameters of the slave module cannot be read because of cases such as error occurrence in parameter reading, combined slave modules are displayed as "Input slave module". ・ A word bit slave module, which is a slave module that uses both bit transmission and word transmission, is displayed as "Word slave module". ・ When the detail information cannot be displayed with the iQSS utility function, refer to "9.2 Error Dialog in iQSS Utility Function" and perform the troubleshooting.

5.2.3.1 Base Screen B-30210: "Batch Monitor (Single Touch Detail Display Mode) 128 Modules Display" Screen

Outline

Up to 128 slave modules connected to the master module are displayed in the grid at one time.
Touch the cell to display the detail information with the iQSS utility function.

Description

1. Touch the switch to switch to the slave name display mode.
2. Touch the switch to switch to the 64 modules display mode.
3. Touch the cell to display the detail information of the slave module whose type and address are displayed on the touched cell with the iQSS utility function.

Remarks

5.2.3.2 Base Screen B-30211: "Batch Monitor (Slave Name Display Mode) 128 Modules Display" Screen

Outline

Up to 128 slave modules connected to the master module are displayed in the grid at one time.
Touch the cell to display the user-defined slave module name in the lower part of the screen.
Touch "Detail Display" when the slave module is selected to display the detail information of the slave module with the iQSS utility function.

Description

1. Touch the switch to switch to the single touch detail display mode.
2. Touch the switch to switch to the 64 modules display mode.
3. Touch the cell to select it.
   The selected cell is displayed with a red frame.
4. Displays the user-defined slave module name that corresponds to the selected cell.
5. Touch the switch when the cell is selected to display the detail information of the slave module whose type and address are displayed on the selected cell with the iQSS utility function.
   The switch turns gray and cannot be operated when a cell is not selected.

Remarks

5.2.3.3 Base Screen B-30212: "Batch Monitor (Single Touch Detail Display Mode) 64 Modules Display" Screen

Outline

Up to 64 slave modules connected to the master module are displayed in the grid at one time.
This screen is used when the number of the connected slave modules is small, or it is difficult to touch cells in the 128 modules display mode.
Touch the cell to display the detail information with the iQSS utility function.

Description

1. Touch the switch to switch to the slave name display mode.
2. Touch the switch to switch to the 128 modules display mode.
3. Touch the cell to display the detail information of the slave module whose type and address are displayed on the touched cell with the iQSS utility function.
4. Touch the switch to display the first half page.
   The switch turns gray and cannot be operated when the first half page is displayed.
5. Touch the switch to display the second half page.
   The switch turns gray and cannot be operated when the second half page is displayed.

Remarks

5.2.3.4 Base Screen B-30213: "Batch Monitor (Slave Name Display Mode) 64 Modules Display" Screen

Outline

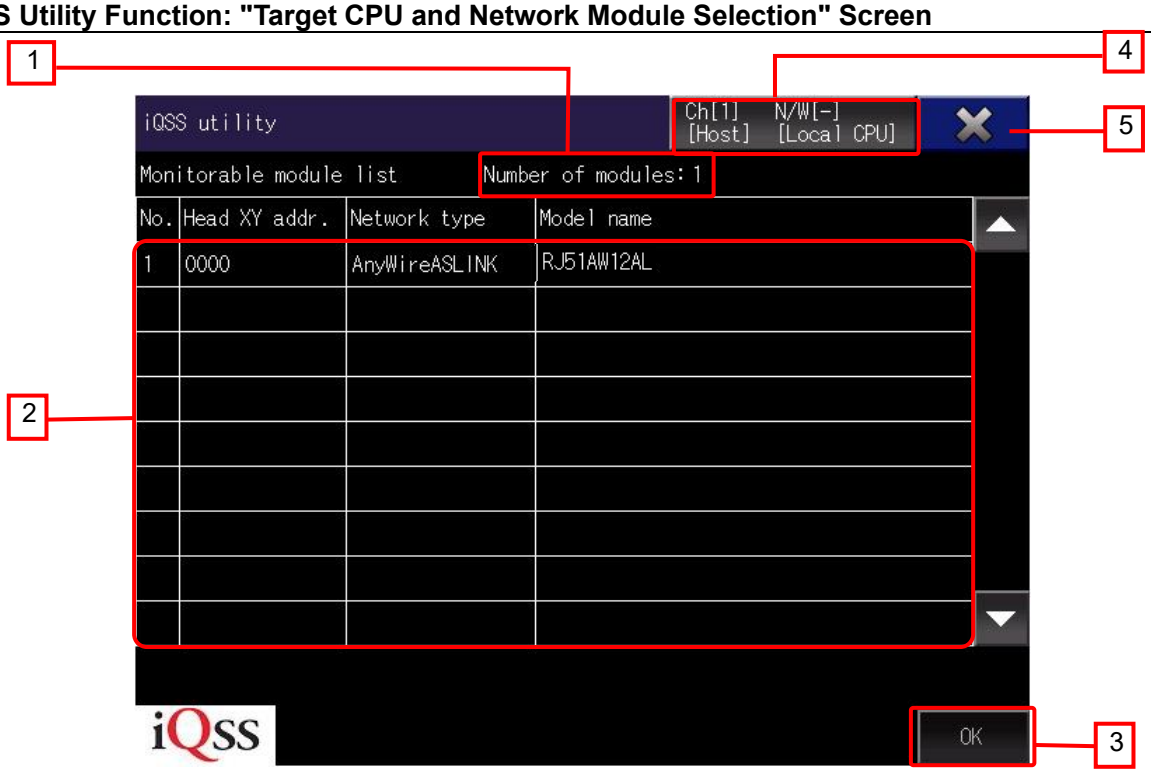
Up to 64 slave modules connected to the master module are displayed in the grid at one time.
This screen is used when the number of the connected slave modules is small, or it is difficult to touch cells in the 128 modules display mode.
Touch the cell to display the user-defined slave module name in the lower part of the screen.
Touch "Detail Display" when the slave module is selected to display the detail information of the slave module with the iQSS utility function.

Description

1. Touch the switch to switch to the single touch mode.
2. Touch the switch to switch to the 128 modules display mode.
3. Touch the cell to select it.
   The selected cell is displayed with a red frame.
4. Touch the switch to display the first half page.
   The switch turns gray and cannot be operated when the first half page is displayed.
5. Touch the switch to display the second half page.
   The switch turns gray and cannot be operated when the second half page is displayed.
6. Displays the name of the slave module that corresponds to the selected cell.
7. Touch the switch when the cell is selected to display the detail information of the slave module whose type and address are displayed on the selected cell with the iQSS utility function.
   The switch turns gray and cannot be operated when a cell is not selected.

Remarks

5.2.4 iQSS Utility Function: "Target CPU and Network Module Selection" Screen



Outline

This screen is used to display the list of the master modules that can be monitored in the iQSS utility function.
*This is the screen of the iQSS utility function.

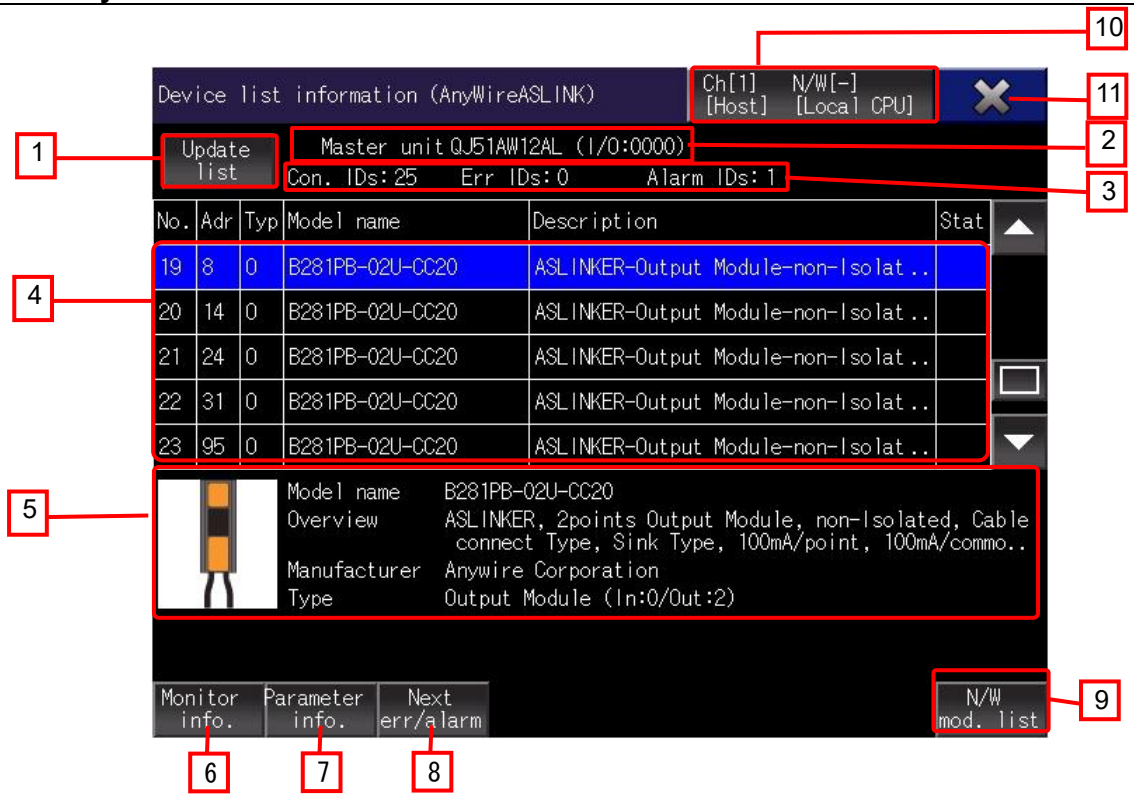
Description

1. Displays the number of the master modules that can be monitored with the iQSS utility function.
2. Displays the list of the master modules that can be monitored with the iQSS utility function.
   Touch the master module to select it.
3. Touch the switch when the master module is selected to display the list of the slave modules connected to the selected master module.
   The switch turns gray and cannot be operated when a master module is not selected.
4. Touch the switch to change the connected CPU.
5. Touch the switch to switch to the screen before the iQSS utility function is displayed.

Remarks

- For details on the iQSS utility function, refer to the following manual.
  -> "22 iQSS UTILITY" in "GOT2000 Series User's Manual (Monitor)".

5.2.5 iQSS Utility Function: "Device List Information" Screen



Outline

This screen is used to display the list of the slave modules that are connected to the master module.
*This is the screen of the iQSS utility function.

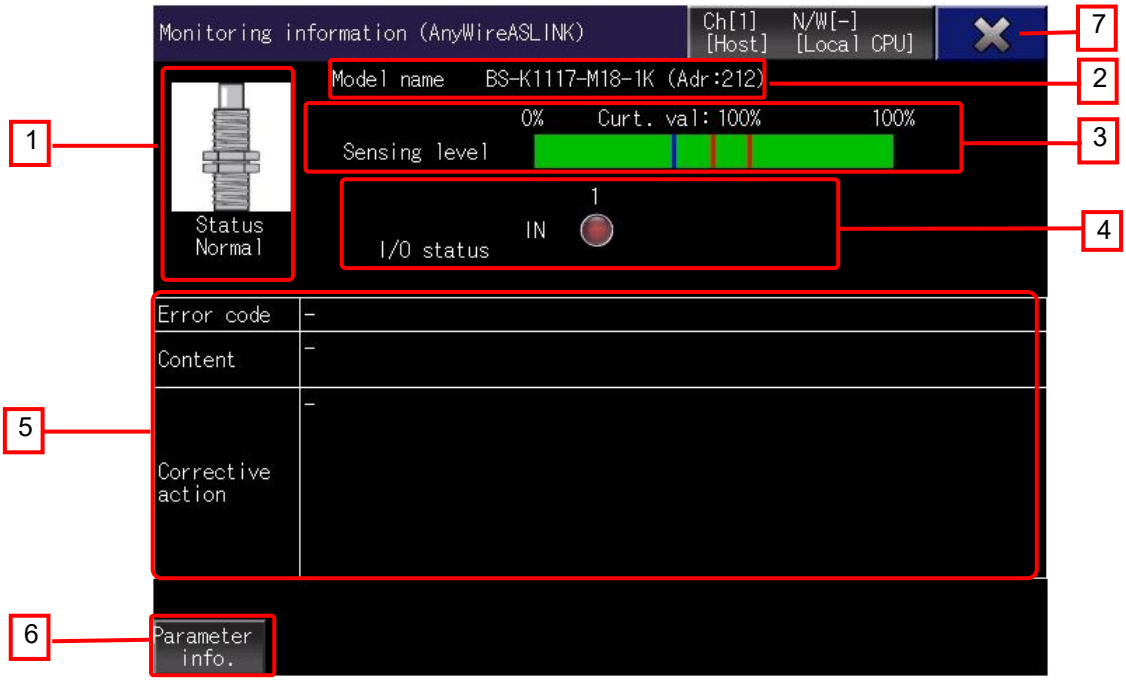
Description

1. Touch the switch to update the list of the slave modules.
2. Displays the model name and the start I/O number of the displayed master module.
3. Displays the number of the connected slave modules, the slave modules in which errors are occurring and the slave modules in which alarms are occurring.
4. Displays the list of the slave modules.
   Touch the slave module to select it.
5. Displays the model information of the selected slave module.
6. Touch the switch to display the status of the selected slave module in the "Monitoring Information" screen of the iQSS utility function.
7. Touch the switch to display the parameters of the selected slave module in the "Parameter Information" screen of the iQSS utility function
8. Touch the switch when the slave module is selected to select the next slave module in which an error or an alarm is occurring.
   Touch the switch when the slave module is not selected to select the first slave module in which an error or an alarm is occurring.
9. Touch the switch to switch to the "Target CPU and Network Module Selection" screen of the iQSS utility function.
10. Touch the switch to change the connected CPU.
11. Touch the switch to switch to the screen before the iQSS utility function is displayed.

Remarks

- For details on the iQSS utility function, refer to the following manual.
  ->"22 iQSS UTILITY" in "GOT2000 Series User's Manual (Monitor)".

5.2.6 iQSS Utility Function: "Monitoring Information" Screen



Outline

This screen is used to display the status of the slave module.
*This is the screen of the iQSS utility function.

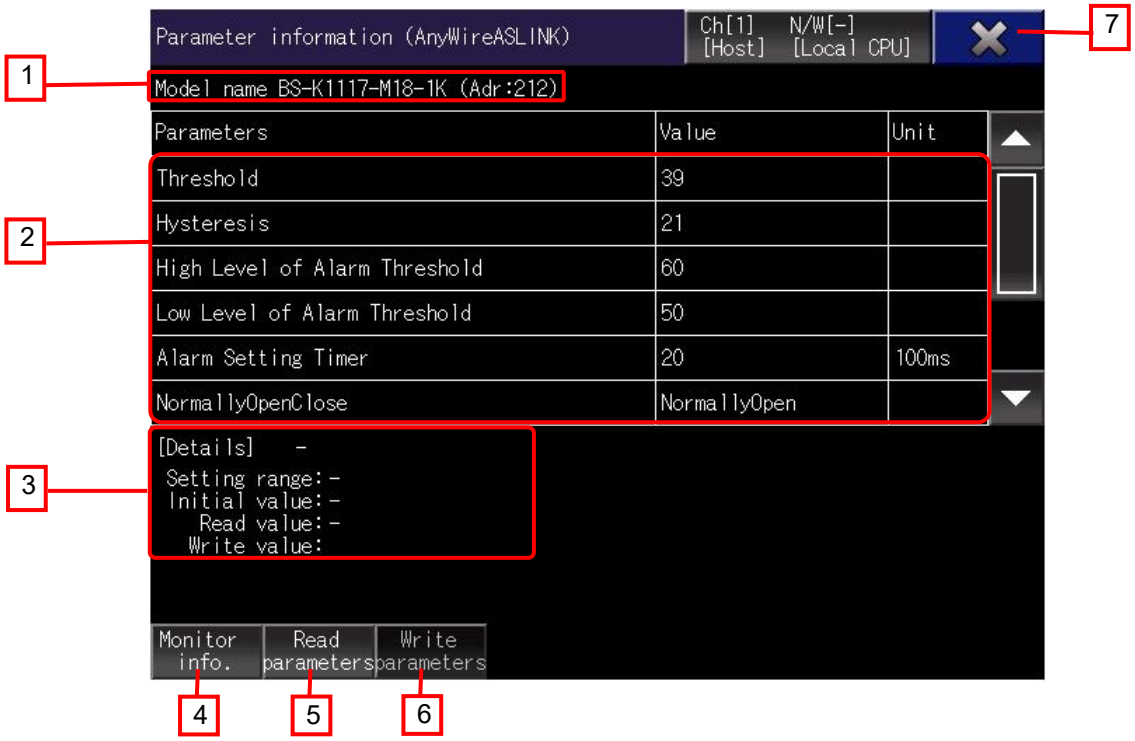
Description

1. Displays the image and the status of the slave module.
2. Displays the model name of the slave module.
3. Displays the sensing level of the slave module.
   Not displayed when the slave module does not support the sensing level function.
4. Displays the I/O status of the slave module.
5. Displays the error code, description, and the corrective action when an error is occurring in the slave module.
6. Switches to the "Parameter Information" screen of the iQSS utility function.
7. Switches to the screen before the iQSS utility function is displayed.

Remarks

- When displaying this screen directly from the sample screen, the select channel switch does not operate.
- When displaying this screen directly from the sample screen, the following switches are not displayed.
  - Device list info. switch
  - N/W mod. List switch
- For details on the iQSS utility function, refer to the following manual.
  ->"22 iQSS UTILITY" in "GOT2000 Series User's Manual (Monitor)".

5.2.7 iQSS Utility Function: "Parameter Information" Screen



Outline

This screen is used to display and set parameters of the slave module.
*This is the screen of the iQSS utility function.

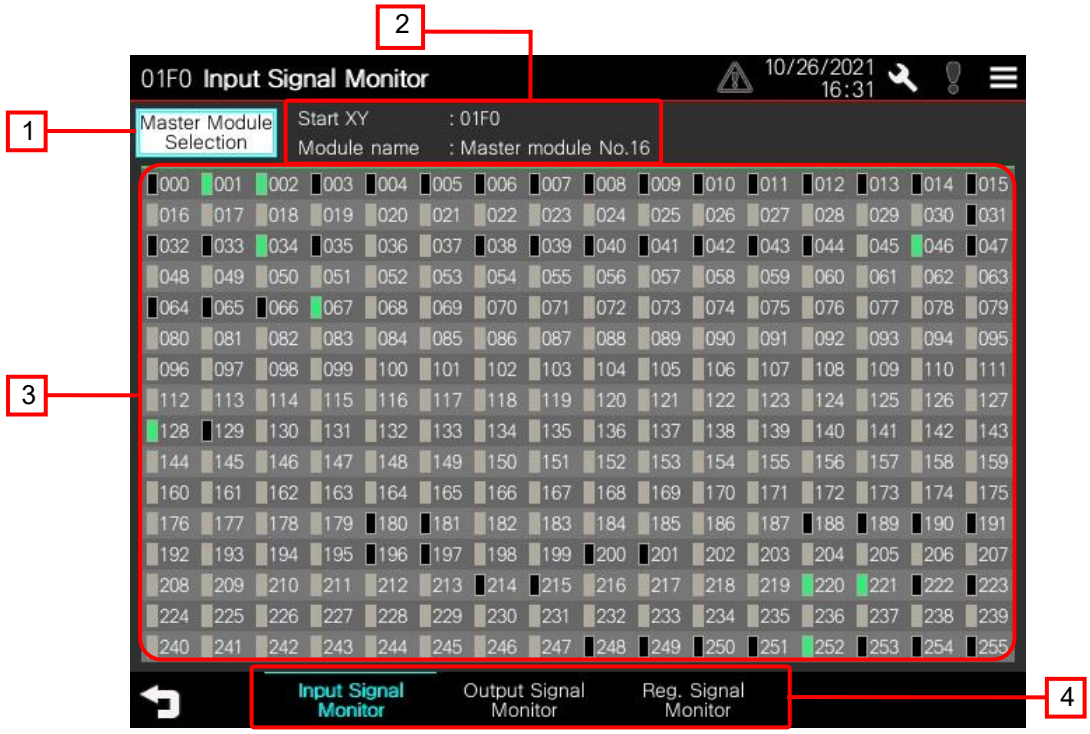
Description

1. Displays the model name of the slave module.
2. Displays the parameters of the slave module.
   Touch a parameter to select it and display Details in 3.
   By touching the "Value" column, the parameter settings can be changed.
3. Displays the detail information of the parameter selected in 2.
4. Switches to the "Monitoring information" screen of the iQSS utility function.
5. Reads the parameters and updates the contents in 2.
6. Writes the parameter changed in 2 to the slave module.
7. Switches to the screen before the iQSS utility function is displayed.

Remarks

- When displaying this screen directly from the sample screen, the select channel switch does not operate.
- When displaying this screen directly from the sample screen, the following switches are not displayed.
  - Device list info. switch
  - N/W mod. List switch
- For details on the iQSS utility function, refer to the following manual.
  ->"22 iQSS UTILITY" in "GOT2000 Series User's Manual (Monitor)".

5.2.8 Base Screen B-30220: "Input Signal Monitor" Screen



Outline

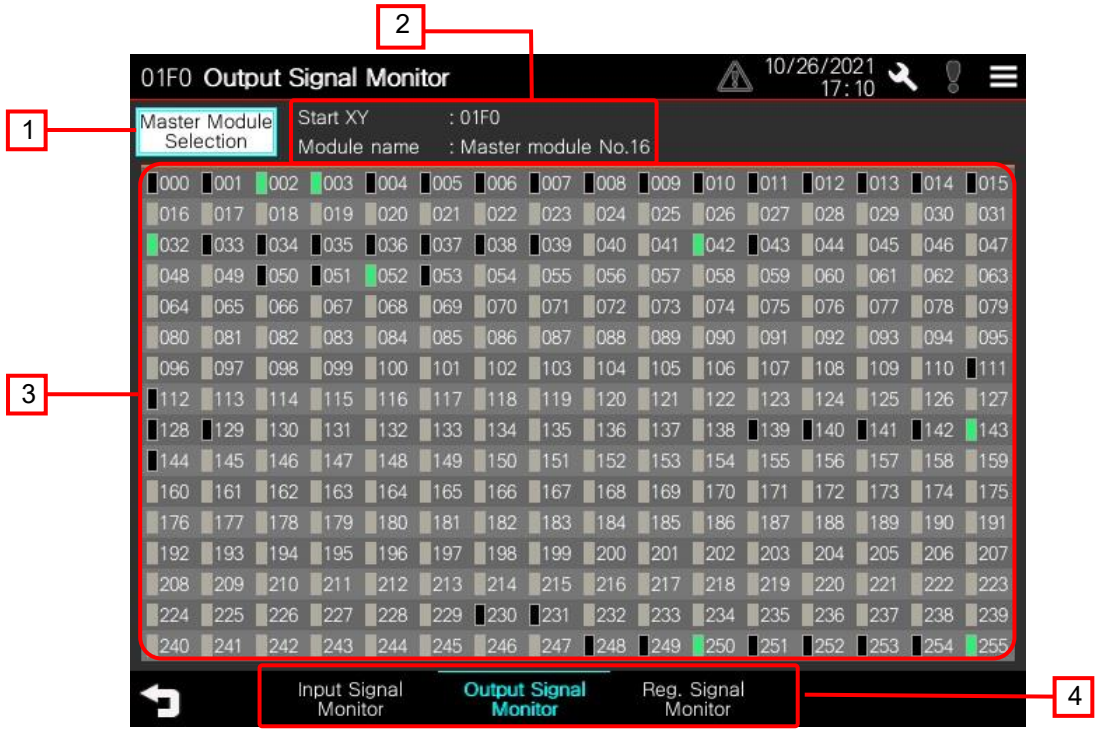
This screen is used to display the statuses of the input signals of a slave module.

Description

1. Touch the switch to display the base screen B-30290: "Mater Module Selection" screen.
2. Displays the start I/O No. and the name of the master module being monitored. The master module name can be changed to any name. Refer to "8.1.1 Setting Master Module Names" to change the name.
3. Displays the statuses of each input signal and signal No.
   The statuses of input signals are indicated by the lamp color as follows:
   Black: OFF
   Green: ON
   Gray: The signal is not occupied by the slave module.
4. Touch the switch to display each screen.
   The light blue switch indicates that the screen is currently displayed.

Remarks

5.2.9 Base Screen B-30221: "Output Signal Monitor" Screen



Outline

This screen is used to display the statuses of the output signals of a slave module.

Description

1. Touch the switch to display the base screen B-30290: "Master Module Selection" screen.
2. Displays [start I/O No.] and [master module name] of the master module being monitored. The master module name can be changed to any name. Refer to "8.1.1 Setting Master Module Names" to change the name.
3. Displays the statuses of each output signal and signal No.
   The statuses of output signals are indicated by the lamp color as follows:
   Black: OFF
   Green: ON
   Gray: The signal is not occupied by the slave module.
4. Touch the switch to display each screen.
   The light blue switch indicates that the screen is currently displayed.

Remarks

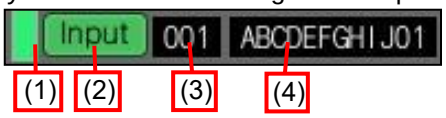
5.2.10 Base Screen B-30222: "Registered Signal Monitor" Screen

Outline

This screen is used to register the desired I/O signals to monitor. Up to 36 points can be registered, and the registration status can be saved with the recipe function.

Description

1. Touch the switch to display the base screen B-30290: "Master Module Selection" screen.
2. Displays the start I/O No. and the name of the master module being monitored. The master module name can be changed to any name. Refer to "8.1.1 Setting Master Module Names" to change the name.
3. Touch the switch to save the monitor target information set in 4 to the recipe.
   The saved monitor destination information is automatically read when the base screen B-30200: "Main Menu" screen is displayed for the first time after GOT is started.
4. Displays the statues of I/O signals for up to 36 points.

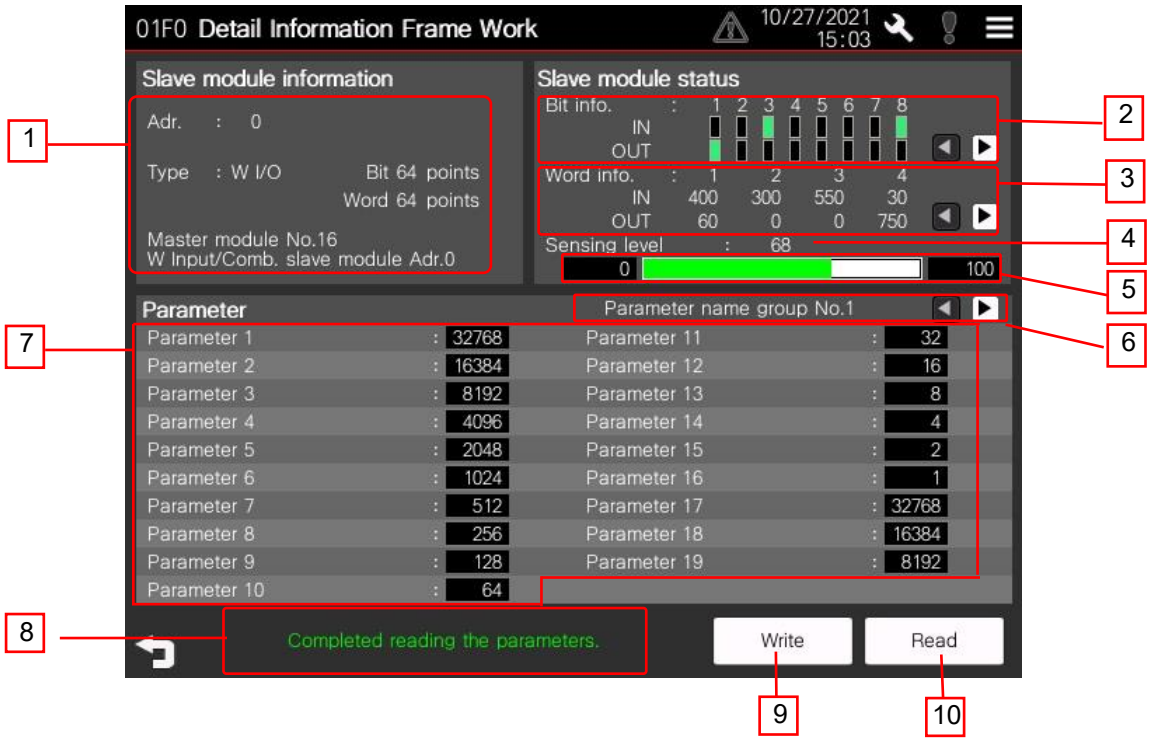


   (1) Displays the statuses of each input/output signal and signal No.
   The statuses of input/output signals are indicated by the lamp color as follows:
   Black: OFF
   Green: ON
   Gray: Monitor disabled
   (2) Displays the type of the signal being monitored. Touch the switch to change the signal type.
   (3) Displays the signal No. of the signal being monitored. Touch the switch to set the signal No. of the signal to be monitored.
   0 to 255 : Signal No.
   -1 : Monitor disabled (default)
   *When monitor is disabled, the signal No. is not displayed (blank).
   (4) Set a signal name as necessary.
   Up to 12 half-width alphanumeric characters or up to 6 full-width hiragana and katakana characters can be set.
   * (2) to (4) can be saved in the recipe.
5. Touch the switch to display each screen.
   The light blue switch indicates that the screen is currently displayed.

Remarks

- If the power of the GOT is turned OFF before touching the "Register" switch, the monitor target information set on the GOT will be discarded. To save the monitor target information, be sure to touch the "Register" switch to save it in the recipe.
- This screen displays the information of buffer memory in the programmable controller.
  Please note that even if I/O signals that are not actually occupied by the slave module are registered, they will be displayed on the screen.
- The monitor target information can be set in the recipe setting of GT Designer3 as well. For details, refer to "8.5 Registering Monitor Signals on the Registered Signal Monitor Screen with GT Designer3".

5.2.11 Base Screen B-30250: "Detail Information Frame Work" Screen



Outline

This screen is used to select the slave module and display the detail information of it when the CSP+ data of the slave module does not exist.

Description

1. Displays the following information of the slave module.
   - Address
   - Type (Input, Output and Combined, Word input, Word output, Word combined)
     For word slave modules, "W" is added to the I/O type.
     Example: "W output" is displayed for a word output slave module.
   - Occupied number of points
   - User-defined slave module name
2. Displays the ON/OFF statuses of the bit information occupied by the slave module.
   Green indicates ON and black indicates OFF.
   If the number of input bit points or the number of output bit points exceeds 8, ◀▶ is displayed.
   Touch ◀▶ to change the bit information to be displayed.
   If the module being displayed is a word slave module, the entire item is hidden.
3. Displays the word information occupied by the slave module. (Display format: signed decimal number)
   If the number of input word points or the number of output word points exceeds 4, ◀▶ is displayed.
   Touch ◀▶ to change the word information to be displayed.
   If the module being displayed is a bit slave module, the entire item is hidden.
4. Displays the sensing level of the displayed slave module.
   Displays "0" when the sensing level is not supported by the model.
5. Displays the sensing level of the displayed slave module with the bar graph.
   Touch the values placed on the left and right to set the high limit value and the low limit value of the bar graph.
   Set the high limit value and the low limit value in accordance with the displayed slave module.
   (The set high limit value and the low limit value are retained in the recipe function for each parameter name group).
6. Displays and sets parameters of the slave module.
   "0" is displayed for the parameters that do not exist in the slave module.

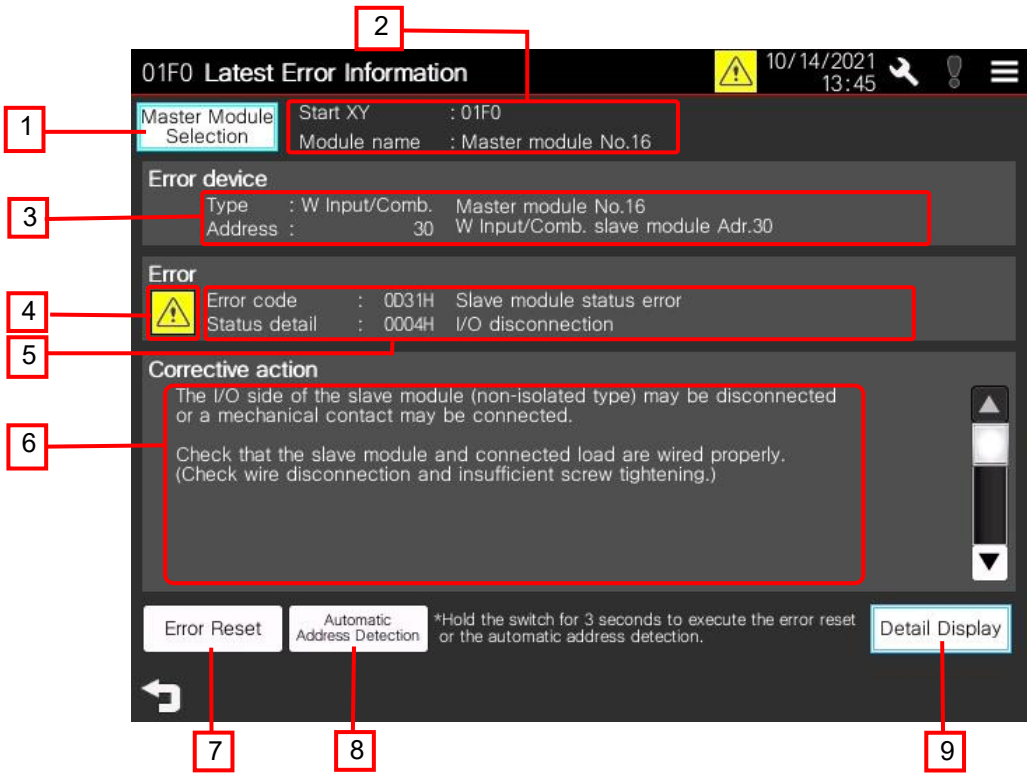
7. Select the parameter name group No. of the slave module whose detail information needs to be displayed. The selected parameter name group No. is displayed.
   For the setting example and how to perform the settings of parameter name groups, refer to "8.1.3 Setting Parameter Name Groups".
   Touch ◀▶ to switch the parameter name group.
8. Displays the writing status and the reading status of the parameters.
9. Writes parameters.
10. Reads parameters.

Remarks

- Parameters are read in the following cases.
- When this screen is displayed
- After writing parameters
- When touching the "Read" switch
- A word bit slave module, which is a slave module that uses both bit transmission and word transmission, is displayed as "Word slave module".

* If a wrong parameter name group No. is selected, the information of the unintended slave module is displayed. If parameters are written in that situation, unintended values are written in the slave module.

5.2.12 Base Screen B-30260: "Latest Error Information" Screen



Outline

This screen is used to display the latest error information occurred in the AnyWireASLINK.

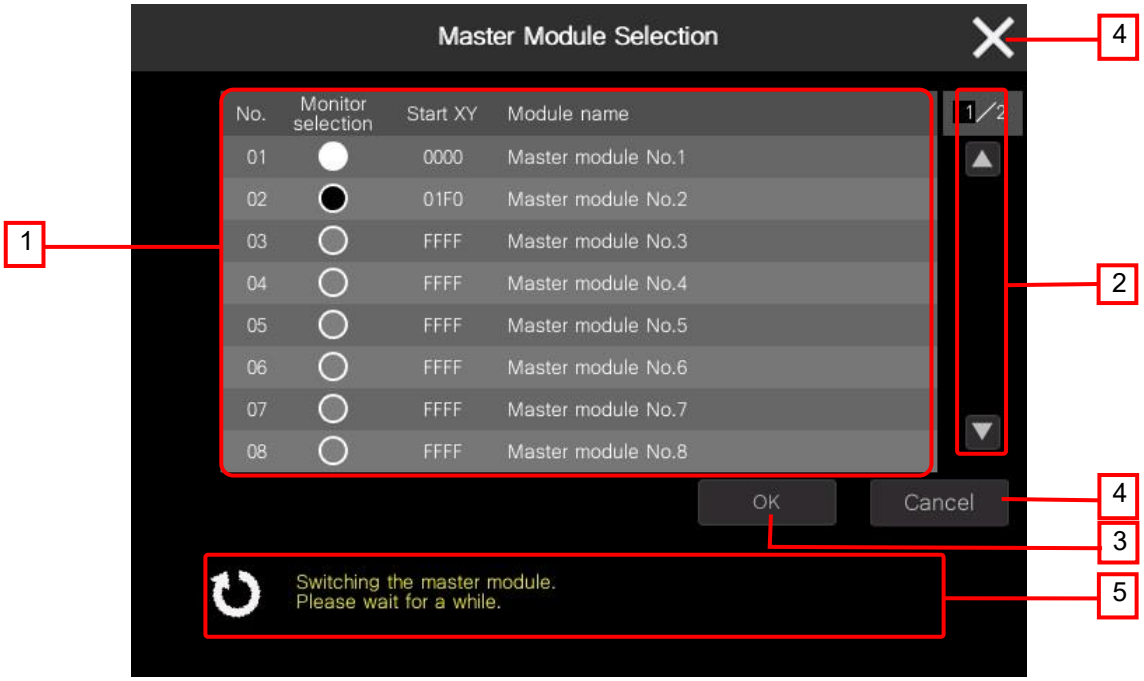
Description

1. Touch the switch to display the base screen B-30290: "Master Module Selection" screen.
2. Displays [Start I/O No.] and [Master module name] of the monitored master module. The master module name can be changed to any name. When changing the name, refer to "8.1.1 Setting Master Module Names".
3. Displays the device in which the latest error occurred.
   For errors occur in the slave module, displays [Type], [Address] and [Slave module name].
   For errors occur in the master module, displays [Master module name].
4. Displays an icon in accordance with the type of the latest error.
   No error :
   Alarm of the master module :
   Alarm of the slave module :
   Error of the master module :
   Error of the slave module :
   Alarm that is not supported by this sample :
5. Displays the error code and the error name of the latest error.
   When the latest error is "Slave module status error", displays the status details of the slave module in hexadecimal and the name of the status error.
6. Displays the corrective action that corresponds to the error displayed in 5.
7. Resets the alarm and the error. Hold the switch for 3 seconds to reset them.
8. Executes the automatic address detection. Hold the switch for 3 seconds to execute it.
9. When the device in which an error is occurring is a slave module, displays the detail information of the slave module with the iQSS utility function.
   When the device in which an error is occurring is a master module, the switch turns gray and cannot be operated.

Remarks

- When detail information cannot be displayed with the iQSS utility function, refer to "9.2 Error Dialog in iQSS Utility Function" and perform the troubleshooting.

5.2.13 Base Screen B-30290: "Master Module Selection" Screen



Outline

Selects the monitored master module. Up to 16 modules can be registered and displayed.

Description

1. Selects the monitored master module. Details of each item are shown in the following table.

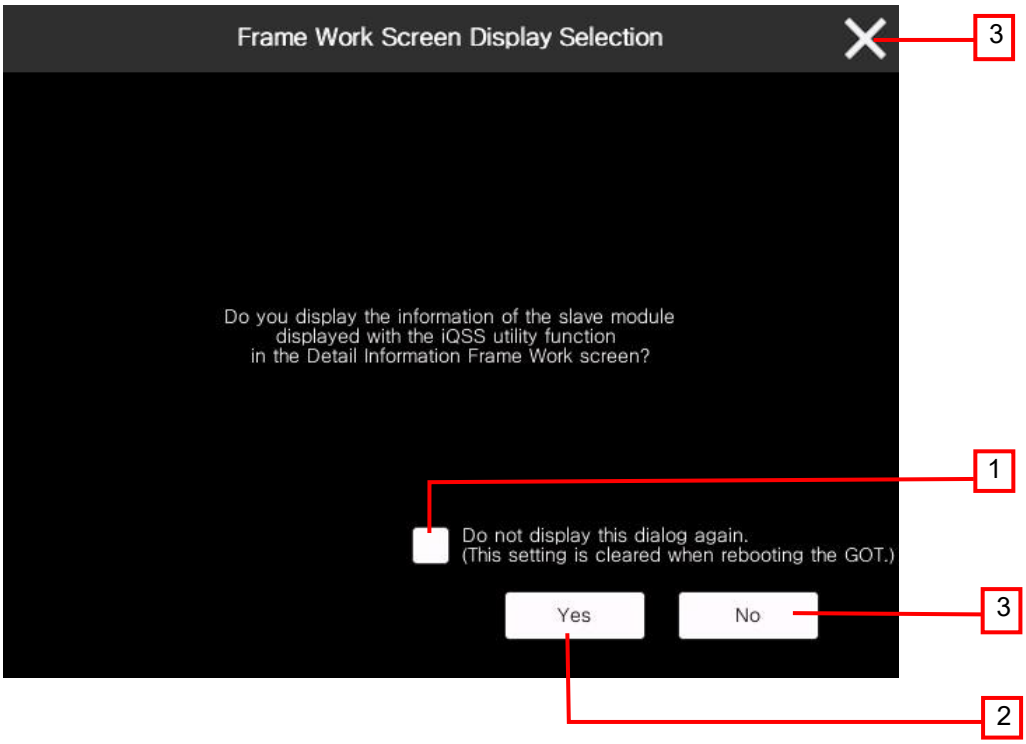
Item	Details
No.	Displays set No. of the master module settings.
Monitor selection	Touch the switch to select the monitor target.
Start XY	Displays start I/O No. of master modules. (4 digits in hexadecimal)
Module name	Displays master module names.

2. Switches the page of the master module selection.
3. Touch the switch to read the parameters of the selected master module.
   After reading the parameters, switches the monitor target master module and displays the screen that was displayed previously.
4. Touch the switch to cancel the selection status and displays the screen that was displayed previously.
5. Displays the status of the master module switching.

Remarks

- The settings of the master module need to be set to the recipe No.30200 in GT Designer3 to switch the master module.
  For details, refer to "6.3.4 Registration of Master Modules"
- In this sample screen, module No. of the master module selected last is saved in the recipe. Then the GOT is rebooted, and the monitor target is switched to the master module automatically (Retention at power failure).
- Comments displayed as the master module names are registered to "Comment group No.400 Master module name".
  For how to change master module names, refer to "8.1.1 Setting Master Module Names".

5.2.14 Base Screen B-30291: "Frame Work Screen Display Selection" Screen



Outline

This screen is used to perform the settings of the display of the slave module information in the base screen B-30250: "Detail Information Frame Work" screen.

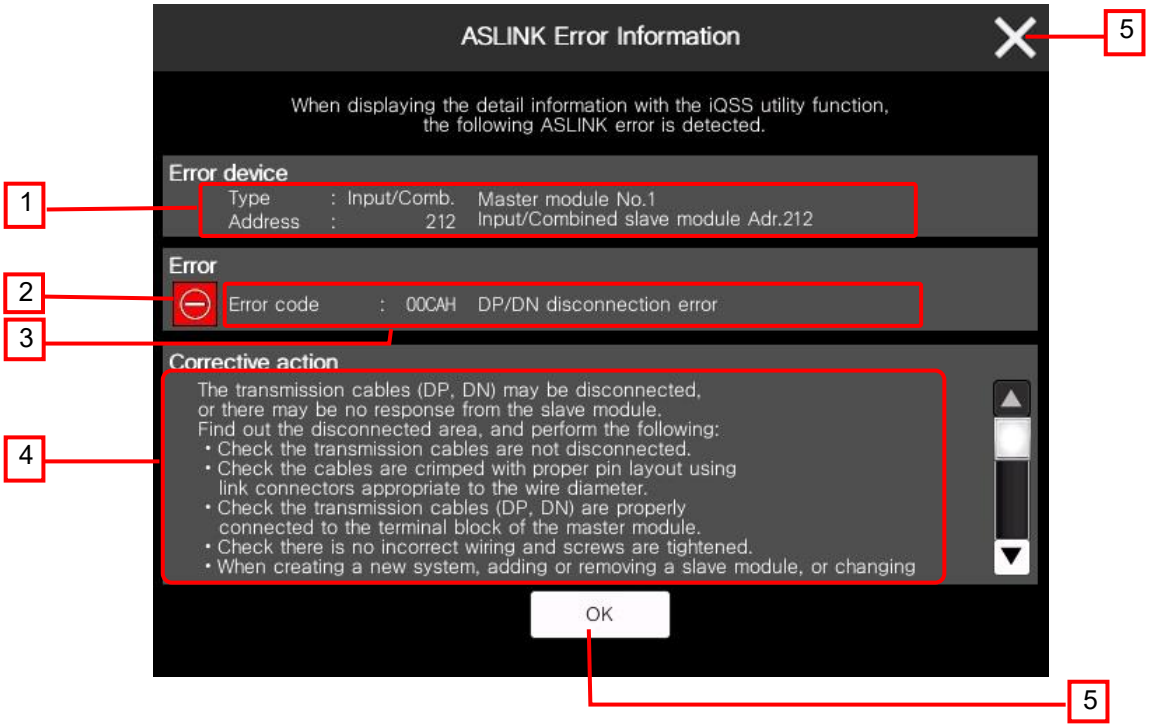
Description

1. Checking the box does not display this dialog next time or later, and executes the actions selected in 2. or 3. automatically.
   This setting is cleared when rebooting the GOT.
2. Displays the information of the slave module that is intended to be displayed with the iQSS utility function in the base screen B-30250: "Detail Information Frame Work" screen.
3. Switches to the screen that was displayed previously without displaying the base screen B-30250: "Detail Information Frame Work" screen.

Remarks

- This screen is displayed when the detail information cannot be displayed with the iQSS utility function because the CSP+ data of the slave module does not exist.

5.2.15 Base Screen B-30292: "ASLINK Error Information" Screen



Outline

Displays the information of the ASLINK error detected when the detail information of the slave module is displayed with the iQSS utility function.

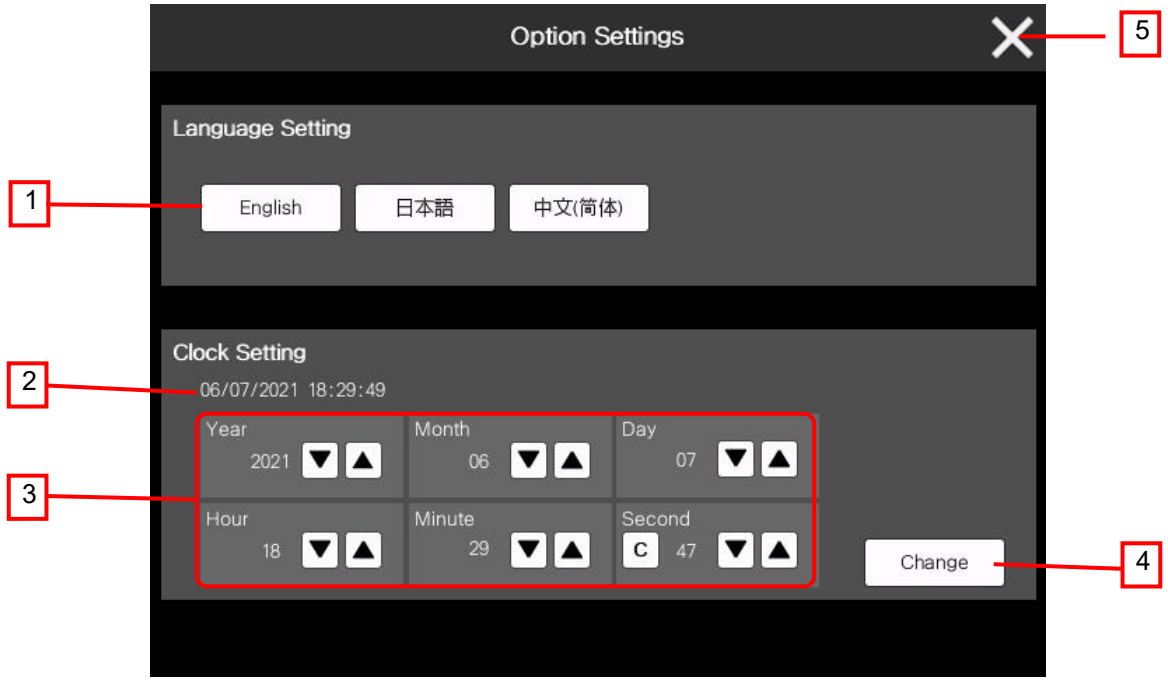
Description

1. Displays the device information of the detected ASLINK error.
   For the errors occur in the slave module, displays [Type], [Address] and [Slave module name].
   For the errors occur in the master module, displays [Master module name].
2. Displays an icon in accordance with the type of the detected ASLINK error.
   Alarm of the master module :
   Alarm of the slave module :
   Error of the master module :
   Error of the slave module :
   Alarm that is not supported by this sample :
3. Displays the error code and the error name of the detected ASLINK error.
4. Displays the corrective action that corresponds to the error displayed in 3.
5. Touch the switch to switch to the screen that was displayed previously.

Remarks

- For errors occur in the detail information display of the iQSS utility function, refer to "9. TROUBLESHOOTING".

5.2.16 Base Screen B-32000: "Option Settings" Screen



Outline

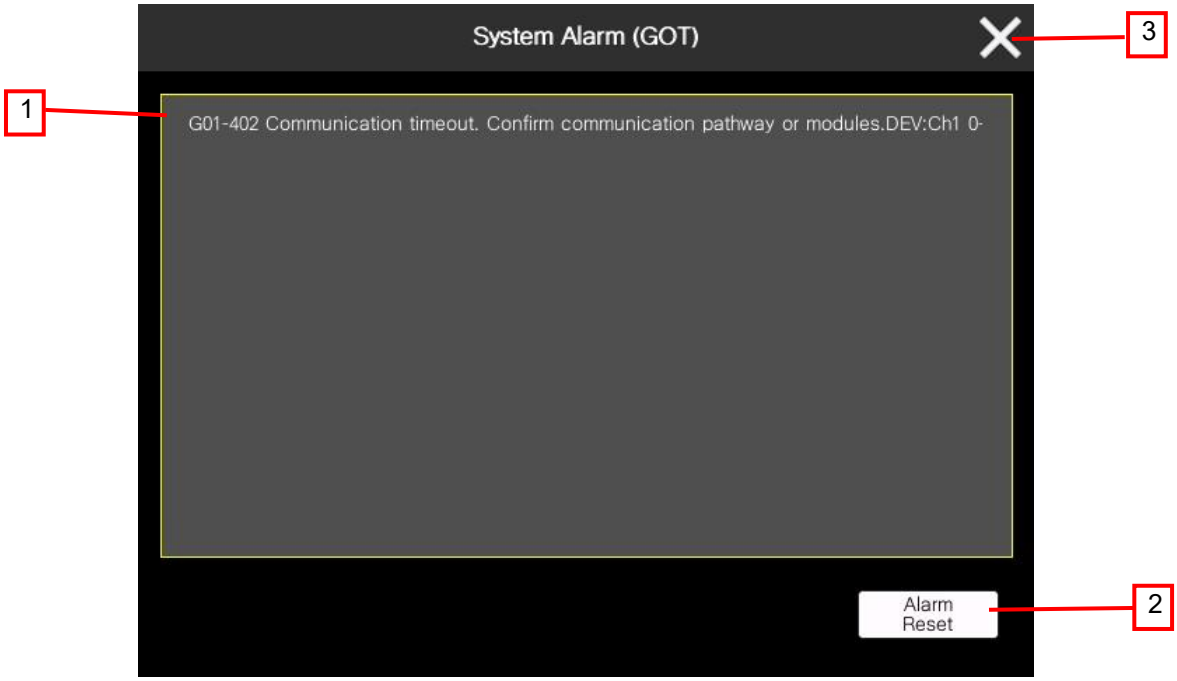
This screen is used to change the language displayed on the GOT and the GOT clock data.

Description

1. Switches the displayed language.
2. Displays the current date and time.
3. Sets the date and time with ▼▲ switches. Holding down ▼▲ switches increases or decreases the numbers consecutively. Touching the C switch sets Second to "0".
4. Reflects the newly set date and time to the GOT clock data.
5. Switches to the screen that was displayed previously.

Remarks

5.2.17 Base Screen B-32001: "System Alarm (GOT)" Screen



Outline

This screen is used to check current system alarms of the GOT.

Description

1. Displays up to 12 current system alarms.
   Touch the displayed system alarm to scroll the message.
2. Resets the current system alarms.
3. Displays the screen that was displayed previously.

Remarks

- In this sample screen, CPU errors are set as targets of system alarms.
  There are some cases when system alarms of CPU errors cannot be reset from "Alarm Reset" in the GOT.
  Then, touch "Alarm Reset" after clearing the errors on the CPU side.

5.3 Supported Slave Modules

(1) Detail information display with the iQSS utility function
For the models supporting the function at the time when the sample screens are released, refer to the following section.
->"12. APPENDIX (1) Slave modules that support the display of detail information with the iQSS utility function"

For the models supporting the function after the sample screens are released, refer to the following manual.
-> "GT Designer3 (GOT2000) Screen Design Manual"

(2) Sample screen
The sample screens are supported only by AnyWireASLINK Ver.1.0 slave modules and AnyWireASLINK Ver.1.1slave modules.

5.4 Settings and Parts Used by the iQSS Utility Special Control Function

This section explains the settings and methods for using the iQSS utility special control function in the sample screens.

5.4.1 Settings of GS devices and GD devices

In the sample screens, values are set to GS devices for the script part "Script 1" in the base screen B-30200: "Main Menu" screen as the following table.

Device	Set Value	Meaning of the setting
GS1810.b0	ON	Enables the iQSS utility special control function.
GS1811	52000	Sets the parameters for the iQSS utility special control to the consecutive devices from GD52000.
GS1812	176	The number of parameters *1

*1: 7 GD devices are used for one parameter for the iQSS utility special control function.
Therefore, 1232 consecutive GD devices are used. (176*7 = 1232)

By setting GD52000 to GD53231 to the parameters for the iQSS utility special control in the above GS device settings, 176 sensor devices can be displayed with the iQSS utility special control function.

In the sample screen, parameters for the iQSS utility special control of sensor device No. 1 to 128 are set and displayed.
Sensor device No.129 to 176 (GD52896 to GD53231) are the area that can be used by a user.

The relation of the parameters for the iQSS utility special control function and GD devices is shown in the following table.

Sensor device No.	Parameter No.1 (Sensor device No.)	Parameter No.2 (Start XY address)	Parameter No.3 (Device address)	Parameter No.4 (I/O type)	Parameter No.5 (Display screen)	Parameter No.6 (ASLINK error code from the slave)	Parameter No.7 (Error code for iQSS utility special control function)
1	GD52000	GD52001	GD52002	GD52003	GD52004	GD52005	GD52006
2	GD52007	GD52008	GD52009	GD52010	GD52011	GD52012	GD52013
3	GD52014	GD52015	GD52016	GD52017	GD52018	GD52019	GD52020
4	GD52021	GD52022	GD52023	GD52024	GD52025	GD52026	GD52027
…	…	…	…	…	…	…	…
127	GD52882	GD52883	GD52884	GD52885	GD52886	GD52887	GD52888
128	GD52889	GD52890	GD52891	GD52892	GD52893	GD52894	GD52895
129	GD52896	GD52897	GD52898	GD52899	GD52900	GD52901	GD52902
130	GD52903	GD52904	GD52905	GD52906	GD52907	GD52908	GD52909
…	…	…	…	…	…	…	…
175	GD53218	GD53219	GD53220	GD53221	GD53222	GD53223	GD53224
176	GD53225	GD53226	GD53227	GD53228	GD53229	GD53230	GD53231

5.4.2 Base screen B-30210: "Batch Monitor (Single Touch Detail Display Mode) 128 Modules Display" screen

128 special function switches are placed on the screen, and "<iQSS=1>" to "<iQSS=128>" are set to the object names.

<iQSS=1>	<iQSS=2>	<iQSS=3>	<iQSS=4>	<iQSS=5>	<iQSS=6>	<iQSS=7>	<iQSS=8>
<iQSS=9>	<iQSS=10>	<iQSS=11>	<iQSS=12>	<iQSS=13>	<iQSS=14>	<iQSS=15>	<iQSS=16>
<iQSS=17>	<iQSS=18>	<iQSS=19>	<iQSS=20>	<iQSS=21>	<iQSS=22>	<iQSS=23>	<iQSS=24>
<iQSS=25>	<iQSS=26>	<iQSS=27>	<iQSS=28>	<iQSS=29>	<iQSS=30>	<iQSS=31>	<iQSS=32>
<iQSS=33>	<iQSS=34>	<iQSS=35>	<iQSS=36>	<iQSS=37>	<iQSS=38>	<iQSS=39>	<iQSS=40>
<iQSS=41>	<iQSS=42>	<iQSS=43>	<iQSS=44>	<iQSS=45>	<iQSS=46>	<iQSS=47>	<iQSS=48>
<iQSS=49>	<iQSS=50>	<iQSS=51>	<iQSS=52>	<iQSS=53>	<iQSS=54>	<iQSS=55>	<iQSS=56>
<iQSS=57>	<iQSS=58>	<iQSS=59>	<iQSS=60>	<iQSS=61>	<iQSS=62>	<iQSS=63>	<iQSS=64>
<iQSS=65>	<iQSS=66>	<iQSS=67>	<iQSS=68>	<iQSS=69>	<iQSS=70>	<iQSS=71>	<iQSS=72>
<iQSS=73>	<iQSS=74>	<iQSS=75>	<iQSS=76>	<iQSS=77>	<iQSS=78>	<iQSS=79>	<iQSS=80>
<iQSS=81>	<iQSS=82>	<iQSS=83>	<iQSS=84>	<iQSS=85>	<iQSS=86>	<iQSS=87>	<iQSS=88>
<iQSS=89>	<iQSS=90>	<iQSS=91>	<iQSS=92>	<iQSS=93>	<iQSS=94>	<iQSS=95>	<iQSS=96>
<iQSS=97>	<iQSS=98>	<iQSS=99>	<iQSS=100>	<iQSS=101>	<iQSS=102>	<iQSS=103>	<iQSS=104>
<iQSS=105>	<iQSS=106>	<iQSS=107>	<iQSS=108>	<iQSS=109>	<iQSS=110>	<iQSS=111>	<iQSS=112>
<iQSS=113>	<iQSS=114>	<iQSS=115>	<iQSS=116>	<iQSS=117>	<iQSS=118>	<iQSS=119>	<iQSS=120>
<iQSS=121>	<iQSS=122>	<iQSS=123>	<iQSS=124>	<iQSS=125>	<iQSS=126>	<iQSS=127>	<iQSS=128>

Image 1 Relation between special function switches and object names on the base screen B-30200: "Batch Monitor (Single Touch Detail Display Mode) 128 Modules Display" screen.

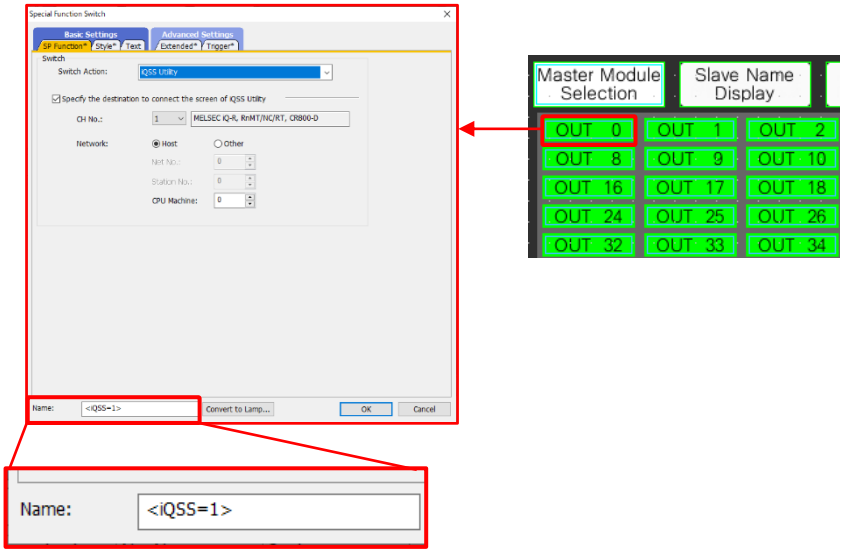


Image 2 Where object names are set

5.4.3 Base screen B-30211: "Batch Monitor (Slave Name Display Mode) 128 Modules Display" screen

One special function switch is placed on the screen, and "<iQSS=1>" is set to the object name.
By changing the values of the parameters for the iQSS utility special control (GD52000 to GD52006) that correspond to "<iQSS=1>", the iQSS utility special control is executed to the slave module on the touched cell.

5.4.4 Base screen B-30212: "Batch Monitor (Single Touch Detail Display Mode) 64 Modules Display" screen

64 special function switches are placed on the screen, and "<iQSS=1>" to "<iQSS=164>" are set to the object names.

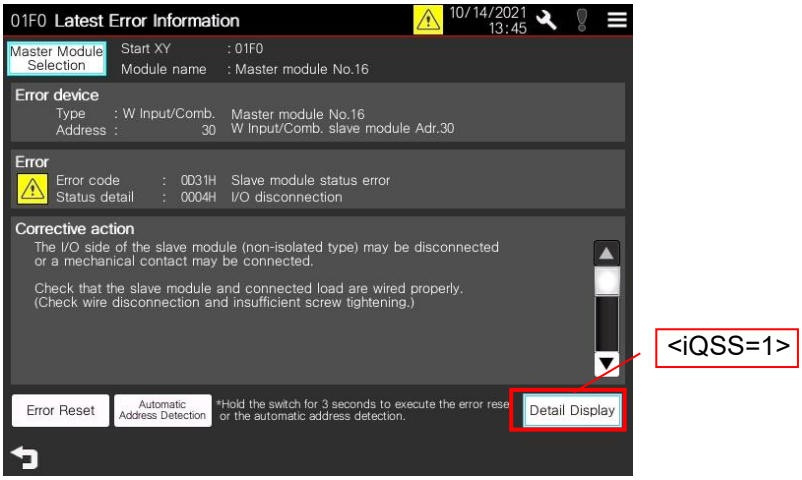
<iQSS=1>	<iQSS=2>	<iQSS=3>	<iQSS=4>	<iQSS=5>	<iQSS=6>	<iQSS=7>	<iQSS=8>
<iQSS=9>	<iQSS=10>	<iQSS=11>	<iQSS=12>	<iQSS=13>	<iQSS=14>	<iQSS=15>	<iQSS=16>
<iQSS=17>	<iQSS=18>	<iQSS=19>	<iQSS=20>	<iQSS=21>	<iQSS=22>	<iQSS=23>	<iQSS=24>
<iQSS=25>	<iQSS=26>	<iQSS=27>	<iQSS=28>	<iQSS=29>	<iQSS=30>	<iQSS=31>	<iQSS=32>
<iQSS=33>	<iQSS=34>	<iQSS=35>	<iQSS=36>	<iQSS=37>	<iQSS=38>	<iQSS=39>	<iQSS=40>
<iQSS=41>	<iQSS=42>	<iQSS=43>	<iQSS=44>	<iQSS=45>	<iQSS=46>	<iQSS=47>	<iQSS=48>
<iQSS=49>	<iQSS=50>	<iQSS=51>	<iQSS=52>	<iQSS=53>	<iQSS=54>	<iQSS=55>	<iQSS=56>
<iQSS=57>	<iQSS=58>	<iQSS=59>	<iQSS=60>	<iQSS=61>	<iQSS=62>	<iQSS=63>	<iQSS=64>

5.4.5 Base Screen B-30213: "Batch Monitor (Slave Name Display Mode) 64 Modules Display" screen

One special function switch is placed on the screen, and "<iQSS=1>" is set to the object name.
By changing the values of the parameters for the iQSS utility special control (GD52000 to GD52006) that correspond to "<iQSS=1>", the iQSS utility special control is executed to the slave module on the touched cell.

5.4.6 Base Screen B-30260: "Latest Error Information" screen

One special function switch is placed on the screen, and "<iQSS=1>" is set to the object name.
By changing the values of the parameters for the iQSS utility special control (GD52000 to GD52006) that correspond to "<iQSS=1>", the iQSS utility special control is executed to the slave module on the touched cell.

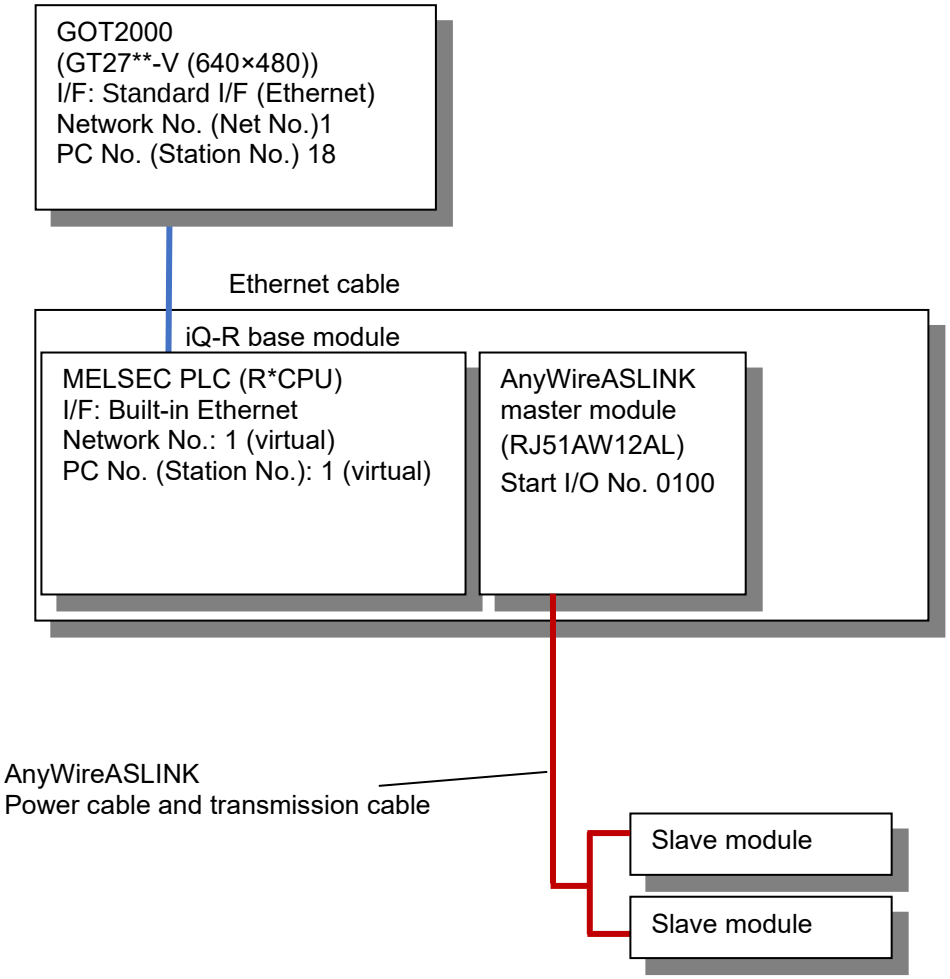


6. UTILIZE SAMPLE SCREEN

This section explains how to incorporate the sample screens in your project data (hereafter utilize) in the system configuration below. When utilizing the sample screens, apply the explanation to your system configuration.

Example: When utilizing the sample screens in the following conditions.

- The system configuration in which the master module is mounted on the start I/O No. 0100 (hexadecimal) of MELSEC iQ-RCPU
- Utilizing the sample screens in the project data in which the GOT and the CPU are connected by CH4.



6.1 Checks Before Utilization

Make sure to back up the project data before utilizing the sample screens.

6.2 Utilization Procedure

The outline of the utilization procedure is as follows.

(1) Open the sample screen.
Customers who have installed the sample screens from the installer of GT Works3
-> "6.2.1 How to Open the Sample Screen Installed to GT Designer 3"

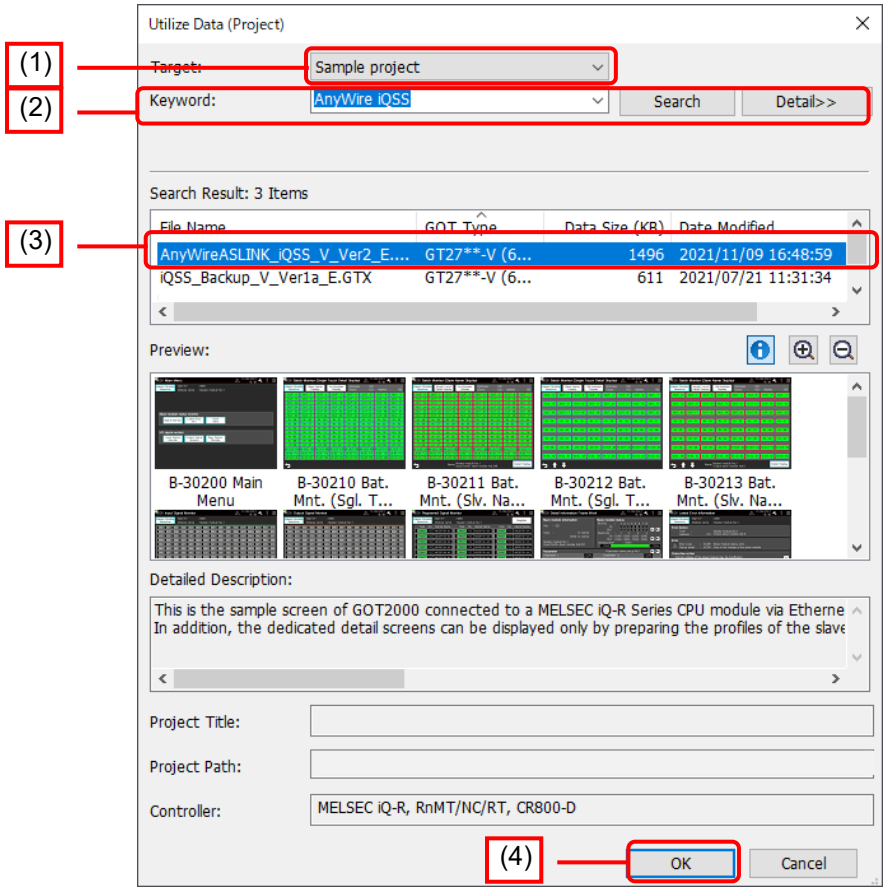
(2) Correct the settings of the sample screen in accordance with your project data
-> "6.2.2 Correction of the Sample Screen Data

(3) Utilize the sample screens whose settings have been changed in (2) in your project data.
->"6.2.3 Utilize Project"

6.2.1 How to Open the Sample Screen Installed to GT Designer3

Select [Project] and then [Utilize Data] and perform the following operations to open the sample screen.

(1) Set "Sample project" to [Target].
(2) Input "AnyWire_iQSS" to [Keyword], and select [Search].
(3) Select "AnyWireASLINK_iQSS_V_Ver*_*.GTX" in [Search Result].
(4) Click [OK].
(5) Save the opened project data in the local environment.



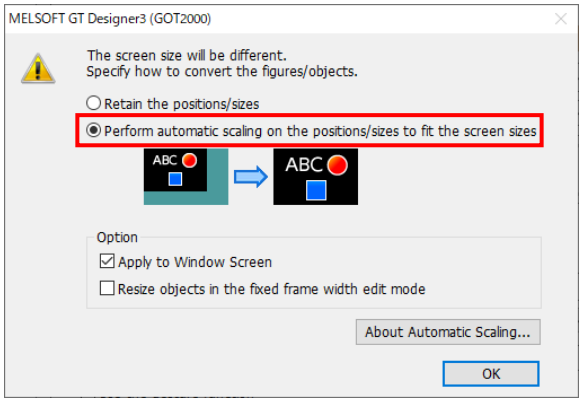
6.2.2 Correction of the Sample Screen Data

Change the settings of the project data opened in "6.2.1 How to Open the Sample Screen Installed to GT Designer3 in accordance with the following procedures.

(1) Change the resolution

Change the resolution of the sample screen in accordance with your project data.

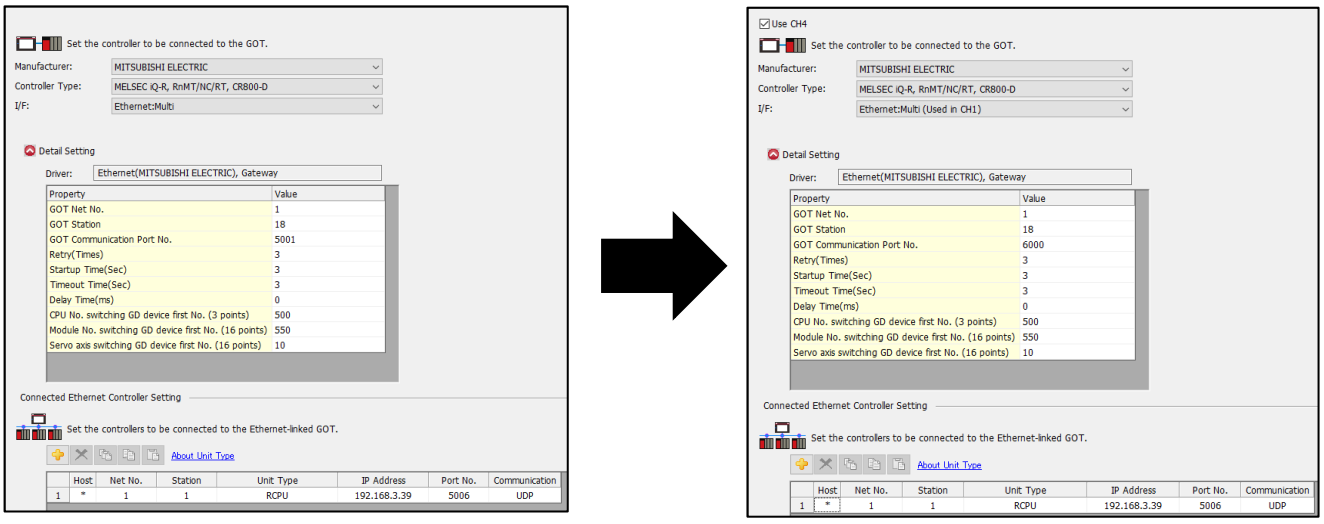
Go to [Common] - [GOT Type Setting] to change the resolution. Then, check [Perform automatic scaling on the positions/sizes to fit the screen sizes] to change the sizes of switches etc. automatically in accordance with the resolution of the GOT.
For details, refer to "GT Designer3 (GOT2000) Screen Design Manual".



(2) Change the Controller Setting

(a) Change the controller setting of the sample screen data in accordance with the system configuration after the utilization.
When using the sample screens in the system configuration that includes an AnywireASLINK master module of MELSEC Q series and MELSEC L series, change [Controller Type] and [Unit type] in accordance with the used PLC.

Example: Go to [Common] - [Controller Setting], select [Use CH4], and perform the same settings as your project data in CH4. (Since the same value cannot be set to [GOT Communication Port No.] in CH1 and CH4, the value does not need to be changed.)

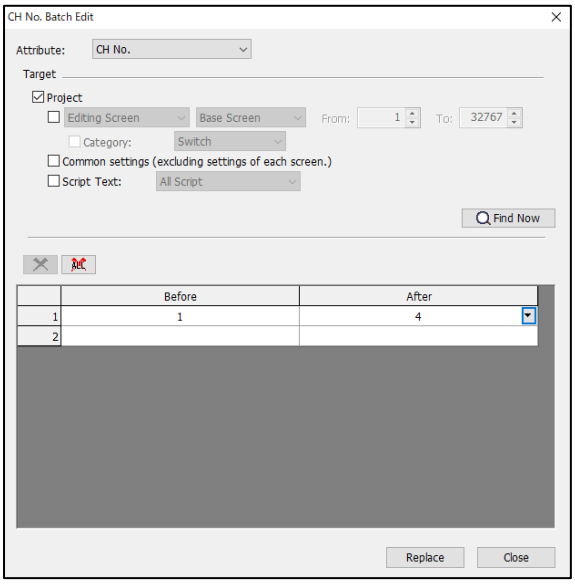


(b) When the buffer memory unit No. switching function is used in your project data, perform the settings of the function in the sample screen data based on your project data.
When the buffer memory unit No. switching function is not used, this correction is not needed.

(3) Change the CH of the controller devices and the network settings

(a) Use [Batch Edit] to change the settings of the controller devices set to the screen.

Example: 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 "4" and click [Replace].

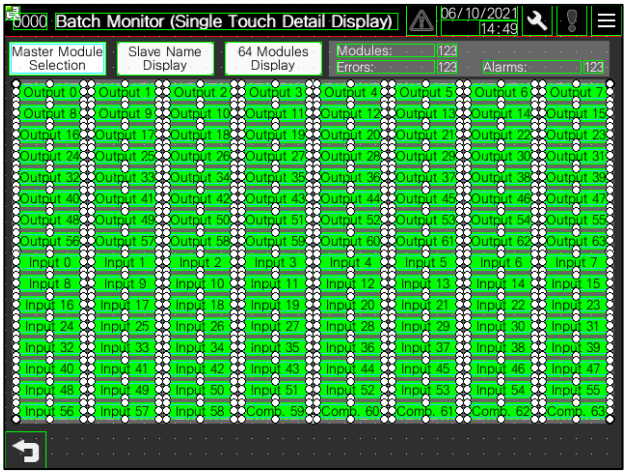


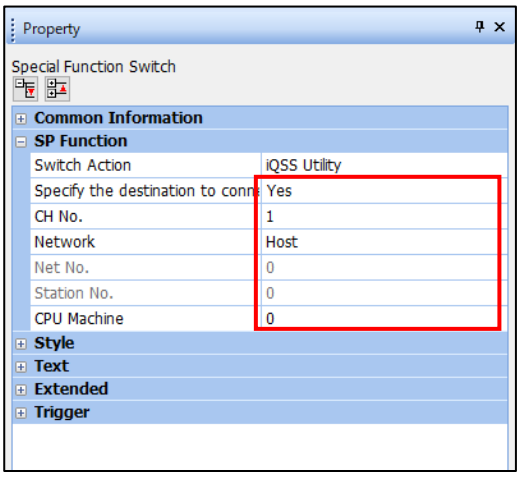
* When the connected CPU is on another station in the system configuration after utilization, go to [Batch Edit] – [Network] to change the settings from "0-FF".

(b) Change the controller settings of the special function switches.
Change the channel and network settings of the special function switches that start the iQSS utility function in accordance with the controller setting. Target switches are shown in the following table.

Screen No.	Object ID
B-30200	10031
B-30210	11083 to 11210
B-30211	10290
B-30212	10424 to 10487
B-30213	10288
B-30260	10055

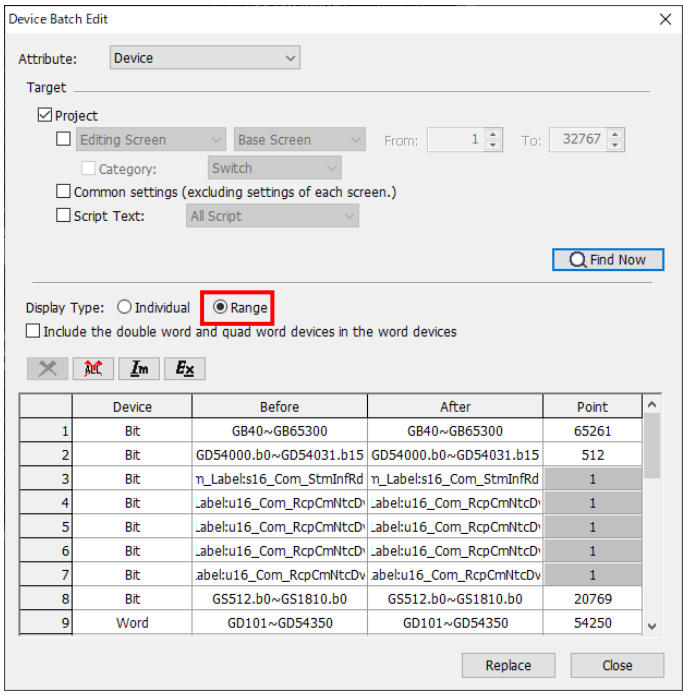
* Controller settings in the special function switches can be changed in a batch by selecting multiple special function switches and changing the settings in the property sheet.





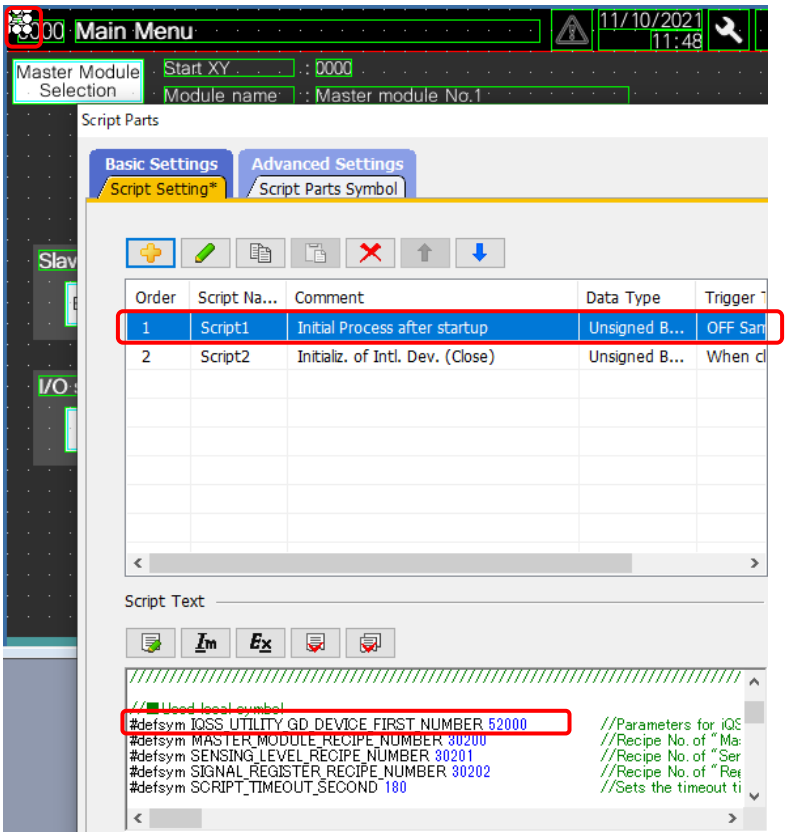
(4) Batch edit of devices

(a) Refer to "3.5 Device List" and correct the applicable range of the GOT internal devices in the sample screens when the applicable range of the GOT internal devices overlaps.
Go to [Search/Replace] - [Batch edit] to select [Device]. Check [Project] under [Target] and click [Find Now]. Then, check [Range] in [Display Type], and set "After" of the GOT internal devices whose applicable range need to be changed to any range. After that, click [Replace].



* When changing the device No. of the parameters for the iQSS utility special control (GD52000 to GD53231), the definition of the local symbol "IQSS_UTILITY_GD_DEVICE_FIRST_NUMBER" needs to be changed to the corrected value. The local symbol is in the script 1 of the script parts in the base screen B-30200: "Main Menu" screen.

■How to change
(1) Open the base screen B-30200: "Main Menu" screen, and then open the script parts setting dialog placed on the upper left of the screen.
(2) Select "Script 1".
(3) Correct "52000" in the "#defsym IQSS_UTILITY_GD_DEVICE_FIRST_NUMBER 52000" that is on line 32 to the device No. that has been changed.



(b) When changing the buffer memory unit No. switching settings in (b) of "(2) Change the Controller Setting", and changing the value in "Specify the target unit No." from "FF", correct the unit No. of the buffer memory device in accordance with the change.
Display the device batch edit window in the procedure (a), and change "UFF-G** to UFF-G○○" to " U**-G** to U**-G**" and click [Replace]. ("**" is the target unit No. that has been changed.)

(5) Save the project data

Select [Project] and then [Save As Project] to save the data as another project data.

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

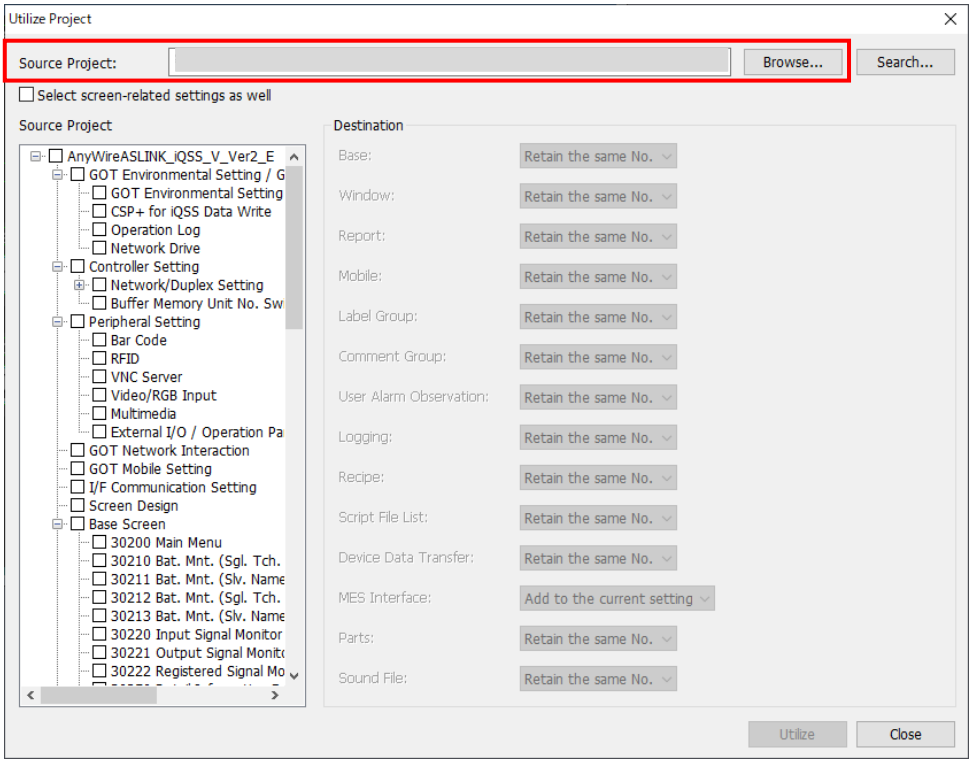
6.2.3 Utilize Project

By using your project data and the project data created in "6.2.2 Correction of the Sample Screen Data", utilize the data in accordance with the following procedures.

(1) Open your project data in GT Designer3 (GOT2000).

(2) Select [Project] - [Utilize Project].

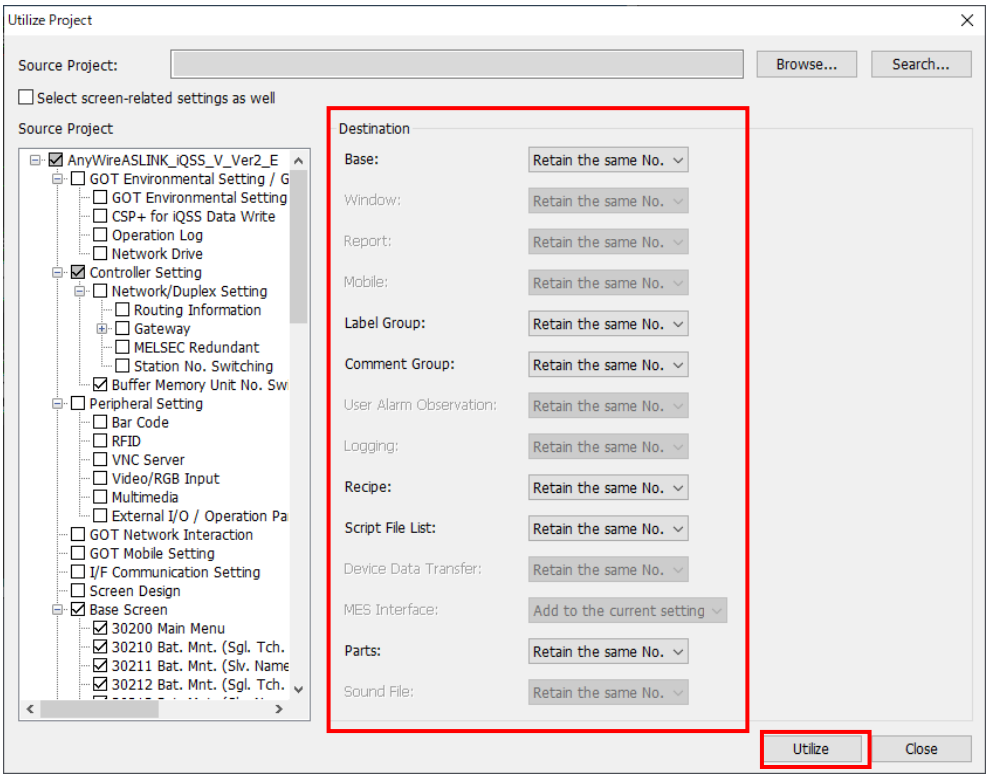
(3) Select [Browse] to open the project data of the sample screens created in "6.2.2 Correction of the Sample Screen Data".



(4) Select the following items.

Item	
Controller Setting	Select [Buffer Memory Unit No. Switching].
Base Screen	Select all.
Label	Select all.
Comment	Select all.
Alarm	Select [System Alarm Observation].
	Select [Alarm Popup Display].
Recipe	Select all.
Script	Select all.
Parts	Select all.

(5) When used No. for base screens etc. do not overlap in the sample screens and your project data, set [Retain the same No.] under [Destination] and select [Utilize].
When used No. overlap, select [Assign the first No.] or [Detail Setting], and perform the settings so that the used No. do not overlap.



* When changing the comment group No. of the comment group No.410 to 425 "Master No.* Slave name", perform the settings so that comment group No. become 16 consecutive No.

(6) Perform "6.3 Works after Utilization".

6.3 Works after Utilization

In the sample screens, functions of the settings need to be added and changed in accordance with your system configuration after utilization. Refer to the following items for works after utilization.

->"6.3.1 Settings of labels (GT Designer3)"
->"6.3.2 GOT Environmental Setting"
->"6.3.3 Settings of GOT Setup"
->"6.3.4 Registration of Master Modules"

6.3.1 Settings of Labels (GT Designer3)

Change [Assign (Device)] of labels (GT Designer3) in accordance with the device assignment of each setting set in your project data.
Go to [Common] in the menu bar, and then select [Label] - [Open] to select the target label.

■Label Group No.100 Com_Label

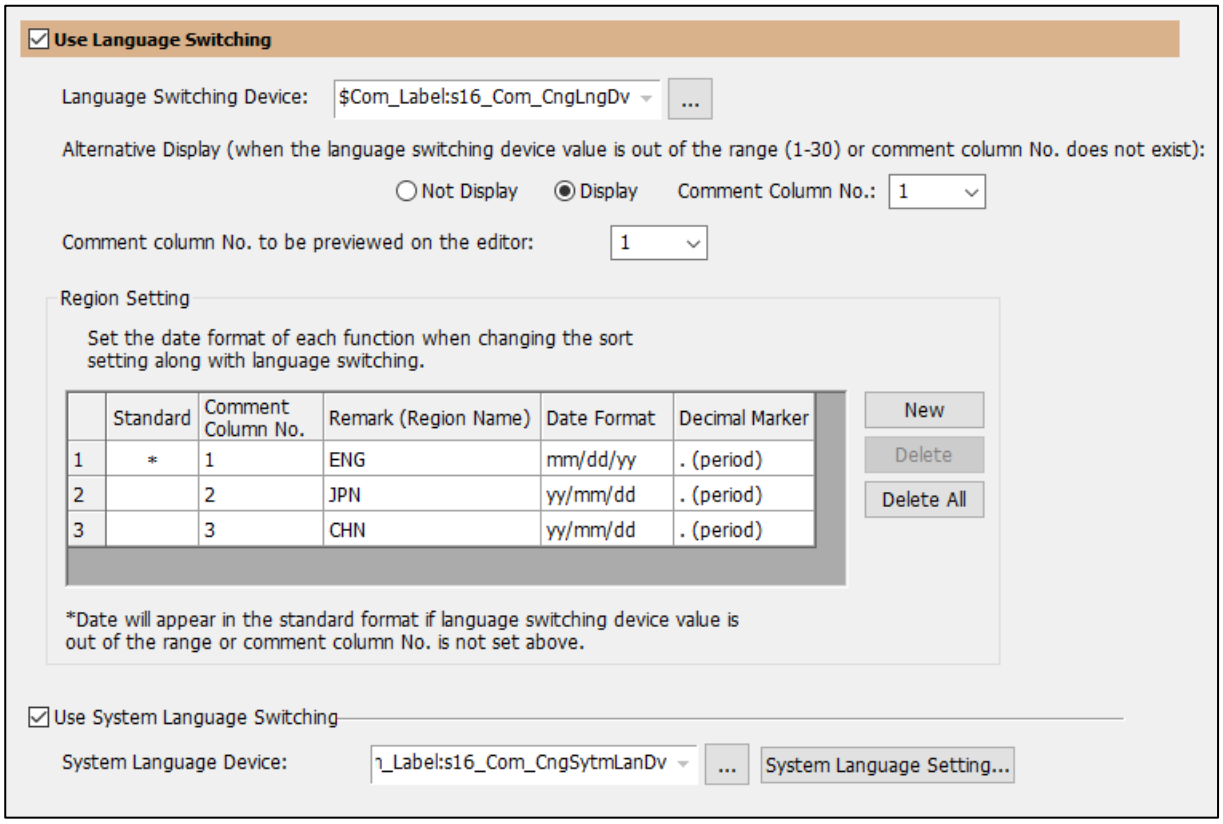
Label Name	Data Type	Assigned (Device) Default Value *1 *2	Application
u16_Com_CngBsDv	Unsigned BIN16	GD65200	Screen switching device (base screen)
s16_Com_StmInfRd	Signed BIN16	GD65231	System information reading device / System signal 1-1
s16_Com_StmInfWt	Signed BIN16	GD65241	System information writing device / System signal 2-1
s16_Com_StmInfWt_NtcBsDv	Signed BIN16	GD65250	Current base screen No.
u16_Com_RcpCmCntlDv	Unsigned BIN16 [0..2]	GD65290	Recipe common settings external control information
u16_Com_RcpCmNtcDv	Unsigned BIN16 [0..2]	GD65293	Recipe common settings external notification 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 observation occurrence No. storage
u16_Com_BufMemUnitNumDv	Unsigned BIN16	GD65298	Buffer memory unit No. switching device

*1: For the functions which are not used in your project data, enabling the functions and setting the devices above are not required.
*2: When replacing with the devices in your project data, the settings of each object in your project data are not required to be changed to labels (GT Designer3).

6.3.2 GOT Environmental Setting

Change and add the following settings in the project data after utilization

(1) [Language Switching]
Language switching is supported in the sample screens.
When using language switching, go to [Common] - [GOT Environmental Setting] - [Language Switching] to open the setting screen and set the items below.
Refer to "3.6 Comment" for comments displayed in each language.



Item	Setting
[Use Language Switching]	Select
[Language Switching Device]	$Com_Label:s16_Com_CngLngDv
Alternative Display (when the language switching device value is out of the range (1 to 30) or comment column No. does not exist)	Display
	Comment Column No.1
[Use System Language Switching]	Select
[System Language Device]	$Com_Label:GT_s16_Com_CngSytmLanDv

(2) [System Information]
In the sample screens, system information is used as the following table.

Used Part	Used Device	Application
Base screen B-32001: "System Alarm (GOT)"	System signal 1-1	Reset system alarms
Project script Script 30202 On-screen Base Screen Number backup	On-screen Base Screen Number	Switch to the screen that was displayed previously.

Go to [Common] - [GOT Environmental Setting] - [System Information] to open the setting screen and set the following items.

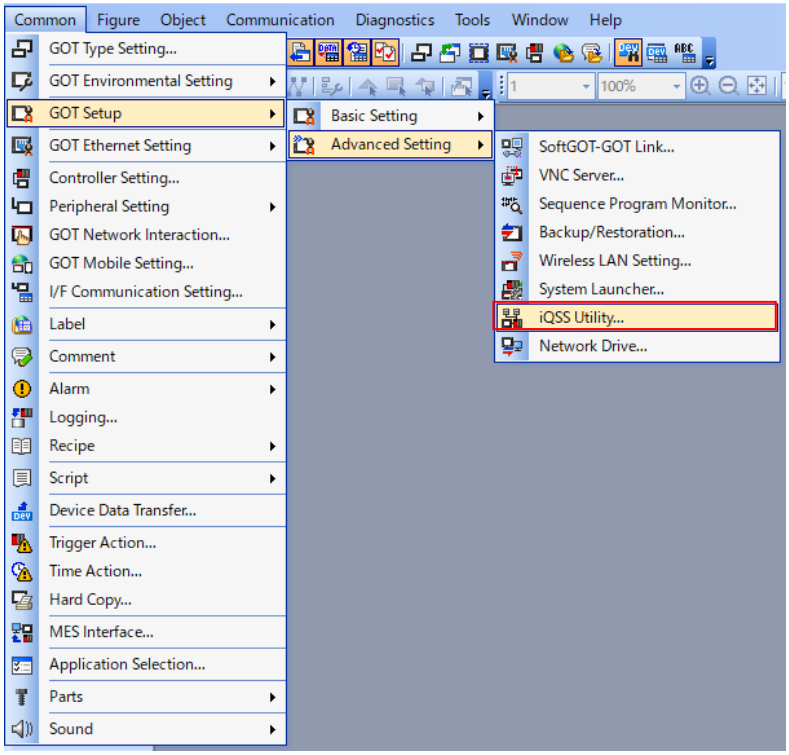
Item	Setting
[Use System Information]	Select
[First Device] under [Read Device (Controller->GOT)]	$Com_Label:s16_Com_StmInfRd
[Target Items] under [Selection/Sort Setting…]	System Signal 1-1
[First Device] under [Write Device (GOT->Controller)]	$Com_Label:s16_Com_StmInfWt
[Target Items] under [Selection/Sort Setting…]	System Signal 2-1
	On-screen Base Screen Number *1

*1: In the sample screens, labels (GT Designer3) are set based on the assumption that the device of [On-screen Base Screen Number] is "(first) + 9".
However, when [Target Items] in [Write Device (GOT->Controller)] has been set in the project data after utilization, there is a possibility that the device of [On-screen Base Screen Number] is not "(first) +9".
Then, correct the assignment (device) of the label "s16_Com_StmInfWt_NtcBsDv" for [On-Screen Base Screen Number] in accordance with the project data.
For the settings of labels in the sample screens, refer to "6.3.1 Settings of Labels (GT Designer3)".

6.3.3 Setting GOT Setup

Change and add the following settings in the project data after utilization.

(1) Go to [Common] – [GOT Setup] – [Advanced Setting] to open [iQSS Utility].



(2) Set the following items.

Item	Setting
[Update the iQSS utility setting]	Select
[Data Storage Destination]	[A: Standard SD Card]

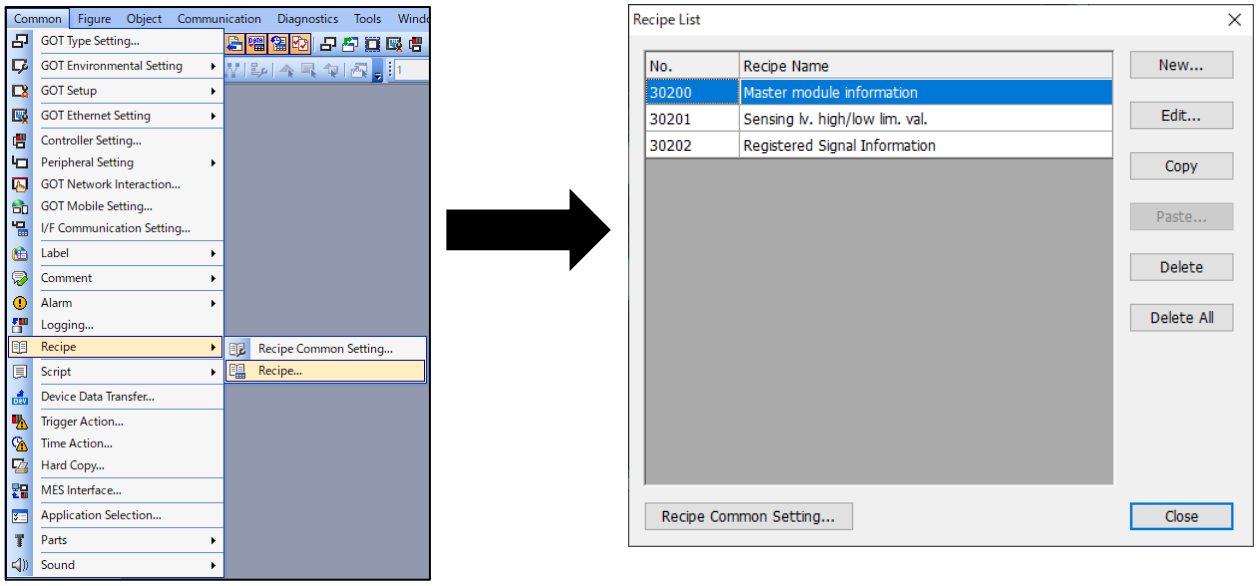
6.3.4 Registration of Master Modules

In the sample screens, only the settings for monitoring the master module whose start I/O No. is 0000 (hexadecimal) have been performed.
Therefore, the settings of master modules need to be registered in GT Designer3 in the following cases.

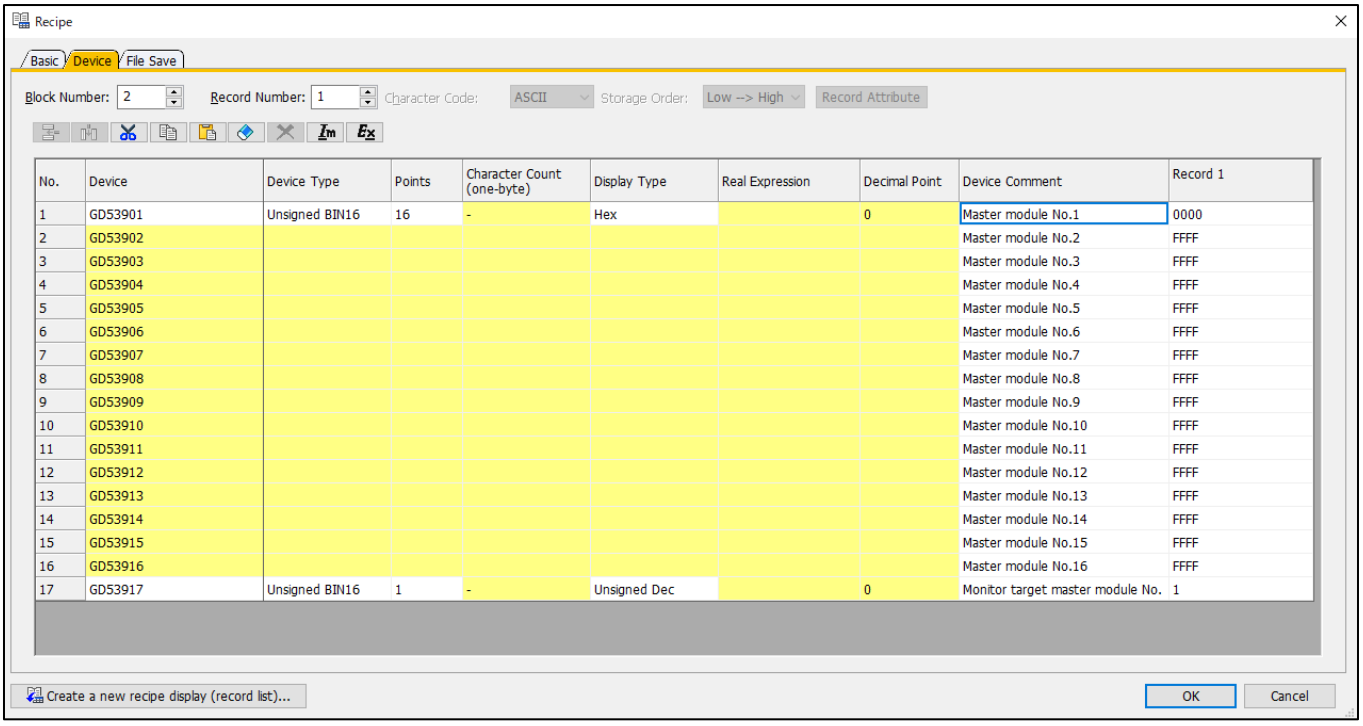
- When monitoring a master module whose start I/O No. is other than 0000 (hexadecimal).
- When monitoring multiple master modules by switching them.

How to register master modules is indicated below.

(1) Go to [Common] – [Recipe] – [Recipe] to open "Recipe No.30200 Master module information" in the project data after utilization.

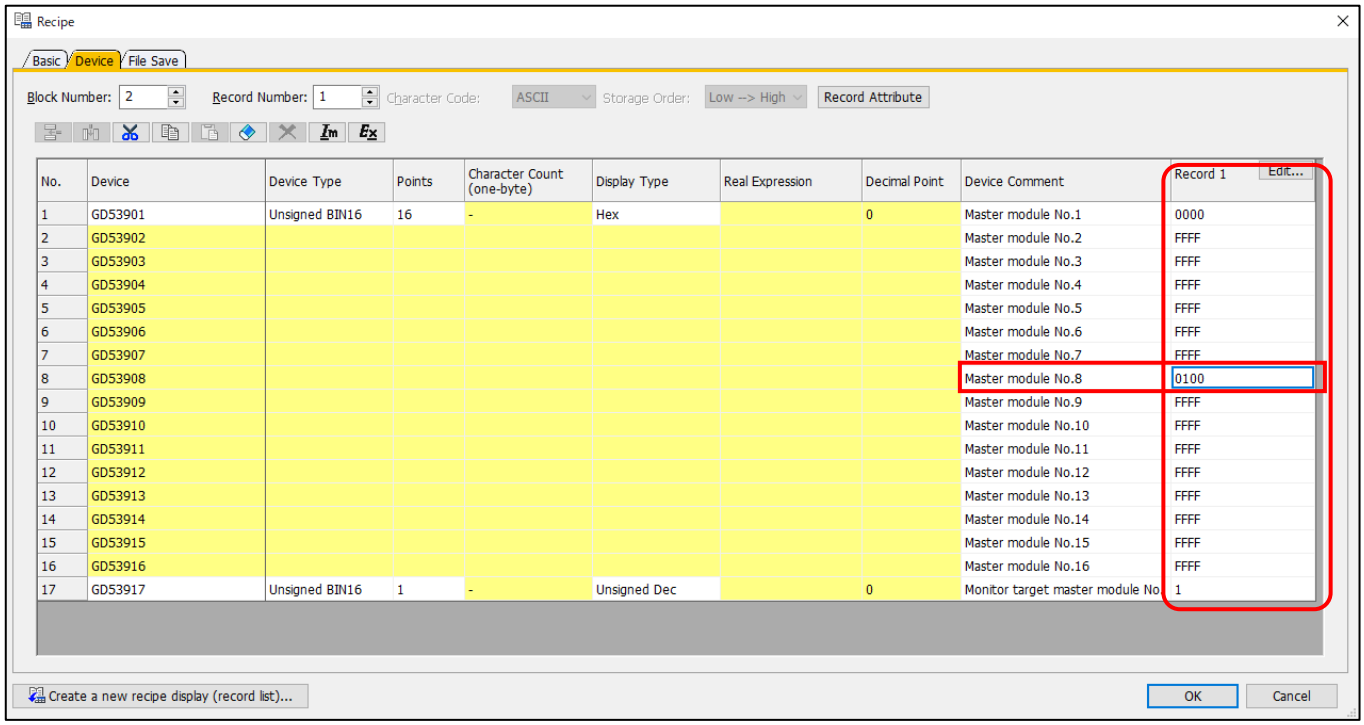


(2) Open the [Device] tab.



(3) Edit Record 1.
Edit the value in Record 1 in hexadecimal. Input the start I/O No. of the monitored master module in hexadecimal.

Example) When setting the master module No.8 to the master module whose start I/O No. is 0100 (hexadecimal).



No.	Device	Device Type	Points	Character Count (one-byte)	Display Type	Real Expression	Decimal Point	Device Comment	Record 1
1	GD53901	Unsigned BIN16	16	-	Hex		0	Master module No.1	0000
2	GD53902							Master module No.2	FFFF
3	GD53903							Master module No.3	FFFF
4	GD53904							Master module No.4	FFFF
5	GD53905							Master module No.5	FFFF
6	GD53906							Master module No.6	FFFF
7	GD53907							Master module No.7	FFFF
8	GD53908							Master module No.8	0100
9	GD53909							Master module No.9	FFFF
10	GD53910							Master module No.10	FFFF
11	GD53911							Master module No.11	FFFF
12	GD53912							Master module No.12	FFFF
13	GD53913							Master module No.13	FFFF
14	GD53914							Master module No.14	FFFF
15	GD53915							Master module No.15	FFFF
16	GD53916							Master module No.16	FFFF
17	GD53917	Unsigned BIN16	1	-	Unsigned Dec		0	Monitor target master module No	1

* "FFFF" is set to module No. of "Master module No.2" to "Master module No.16" in the released sample screen.
In the sample screens, "FFFF" is regarded as disabled.

6.3.5 Setting Local Symbols in Scripts

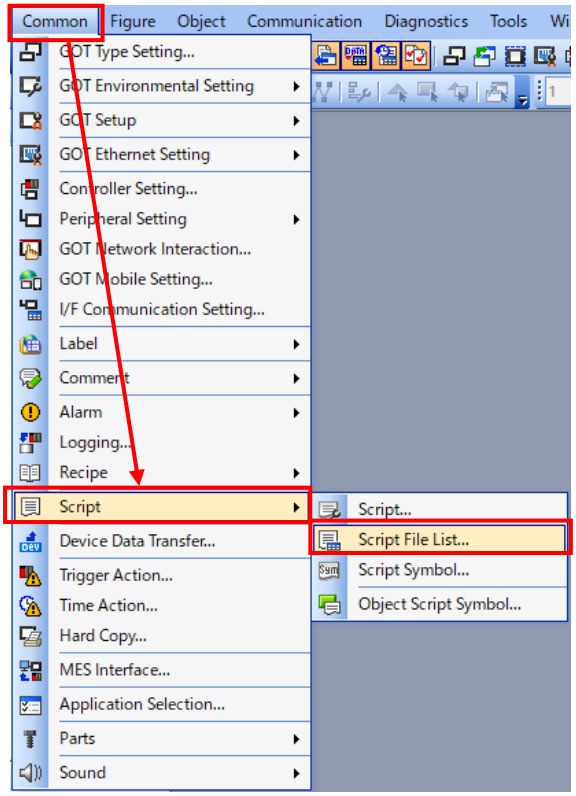
In the scripts of this sample, local symbols are used instead of constants.
Refer to the "When local symbols need to be changed" column in the following table, and change the definitions of the local symbols in accordance with the settings of the project data after utilization.

When local symbols need to be changed	Used part	Script No.	Symbol	Meaning of the symbols	Default set value
When changing base screen No. in utilization	B-30210 etc. Screen script	No.30220	FRAMEWORK_SCREEN_NUMBER	Base screen No. of "Detail Information Frame Work" screen.	30250
			FRAMEWORKSELECT_SCREEN_NUMBER	Base screen No. of "Frame Work Screen Display Selection" screen	30291
			ASLINKERROR_SCREEN_NUMBER	Base screen No. of "ASLINK Error Information" screen	30292
When changing device No. in utilization	B-30200 Script parts	Script1	IQSS_UTILITY_GD_DEVICE_FIRST_NUMBER	Parameters for iQSS utility special control GD device start No.	52000
When changing recipe No. in utilization	Project script	No.30201	MASTER_MODULE_RECIPE_NUMBER	Recipe No. of "Master module information"	30200
			SENSING_LEVEL_RECIPE_NUMBER	Recipe No. of "Sensing level high and low limit value"	30201
			SIGNAL_REGISTER_RECIPE_NUMBER	Recipe No. of "Registered Signal Information"	30202
	B-30200 Script parts	Script1	MASTER_MODULE_RECIPE_NUMBER	Recipe No. of "Master module information"	30200
			SENSING_LEVEL_RECIPE_NUMBER	Recipe No. of "Sensing level high and low limit value"	30201
			SIGNAL_REGISTER_RECIPE_NUMBER	Recipe No. of "Registered Signal Information"	30202
When changing comment group No. in utilization	B-30210 etc. Screen script	No.30220	MASTER_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master module name"	400
			SLAVE_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master No.1 slave name"	410
	B-30211 Script Parts	Script3	SLAVE_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master No.1 slave name"	410
	B-30213 Script parts	Script3	SLAVE_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master No.1 slave name"	410
	B-30250 Script parts	Script4	SLAVE_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master No.1 slave name"	410
	B-30260 Script parts	Script2	MASTER_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master module name"	400
			SLAVE_MODULE_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Master No.1 slave name"	410
			ERROR_NAME_COMMENTGROUP_NUMBER	Comment group No. of "Error_name"	430
			ERROR_REMEDY_COMMENTGROUP_NUMBER	Comment group No. of "Error_corrective action"	435
			STATUS_ERROR_REMEDY_COMMENTGROUP_NUMBER	Comment group No. of " Slave mod. status err._cor. act."	436
			SCREEN_DISPLAY_COMMENTGROUP_NUMBER	Comment group No. of "Screen display comment"	440

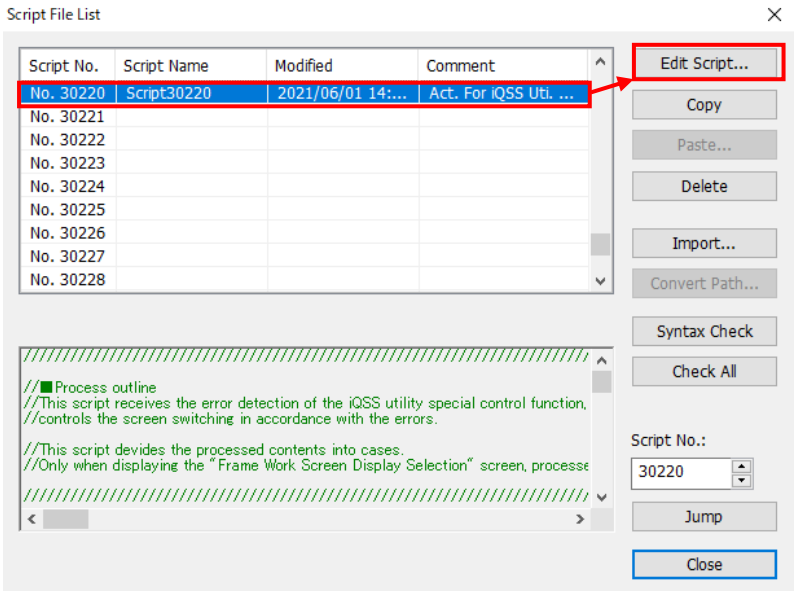
Change example)
When changing the base screen No. of the "Detail Information Frame Work" screen from "30250" to "20000" in utilization.

->Correct the definition of "FRAMEWORK_SCREEN_NUMBER" in the script "No.30220" that is set to "Screen script of B-30210 etc."

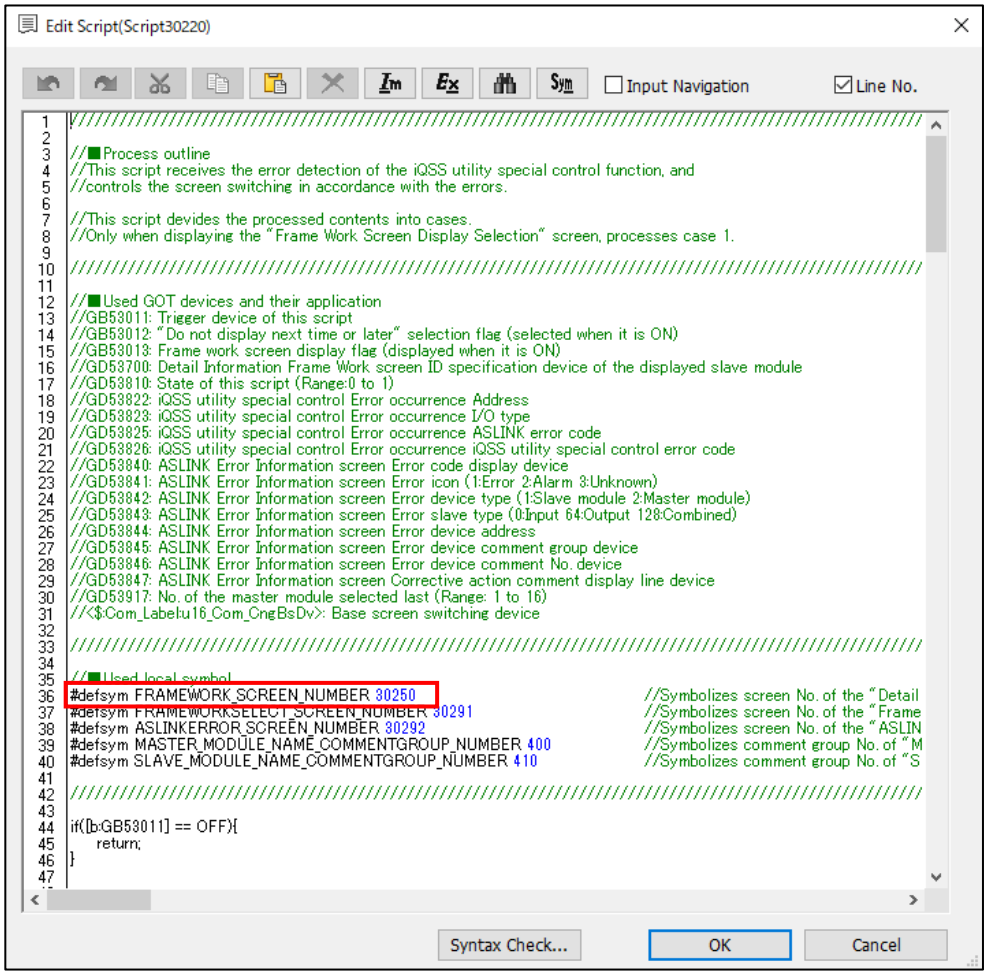
(1) Go to [Common] – [Script] to open [Script File List].



(2) Select "Script No.30220" and click [Edit Script.



(3) In the script, find the definition of "FRAMEWORK_SCREEN_NUMBER" in the part where the definitions of local symbols are stated. Then, correct "30250" to "20000", and click [OK].

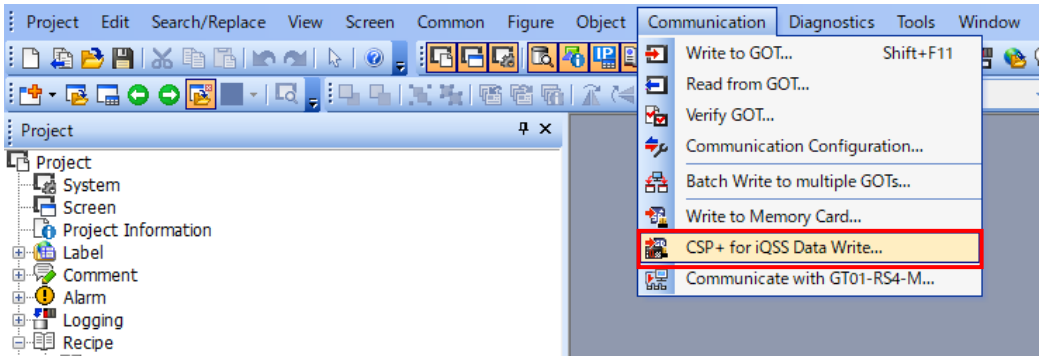


7. PREPARATION BEFORE OPERATION

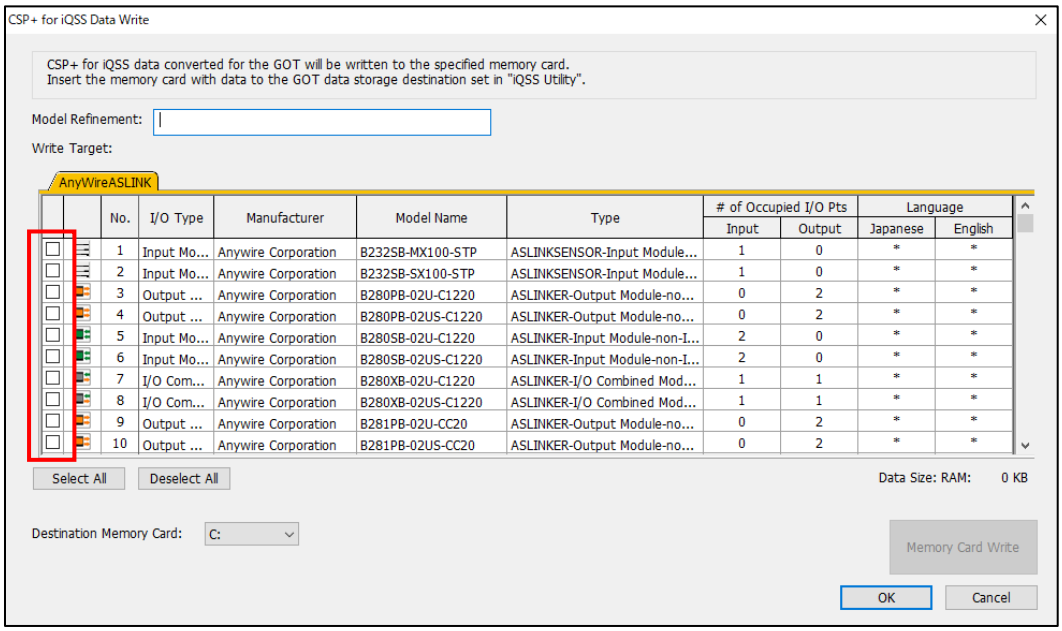
7.1 Preparation of CSP+ for iQSS Data

This section explains how to write CSP + for iQSS data in the SD card.

(1) Select [Communication] and then [CSP + for iQSS Data Write] in GT Designer3.



(2) Find the slave module being used in the list, and select the checkbox on the left end of the list.

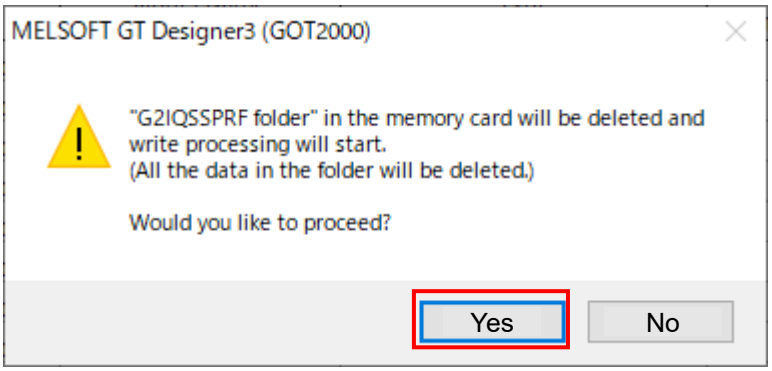


* When the checkbox for the slave module is not checked accidentally, the detail display of the slave module cannot be performed with the iQSS utility function.

(3) Set [Destination Memory card] to the drive name (1 alphabet) that is assigned to the SD card.

* Note that the drive name needs to be set is not the drive name of the GOT (an SD card is not A drive), but the drive name of the PC.

(4) Select [Memory Card Write] and then click [Yes] in the displayed dialog to write CSP + data in the SD card.



(5) Turn on the GOT after inserting the SD card in which the CSP + data is written in (4) to the GOT.

8. CUSTOMIZE

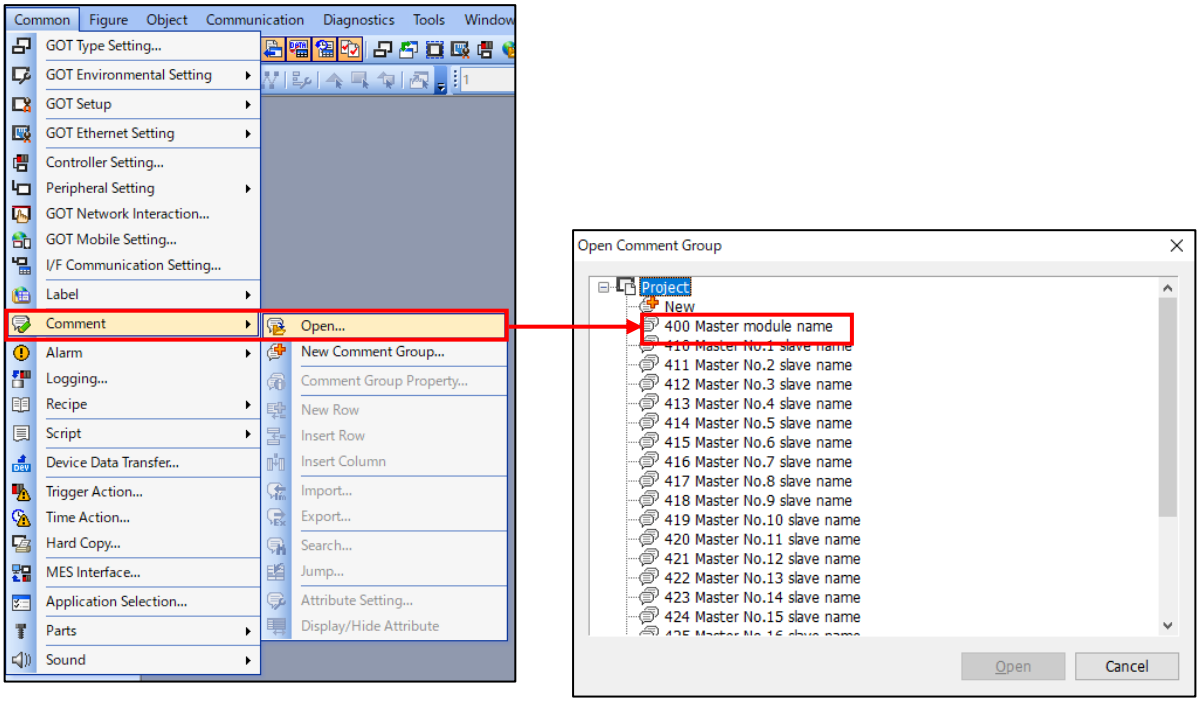
8.1 Setting Names in the Sample Screen

In the sample screen, displayed name of each module can be set and displayed.

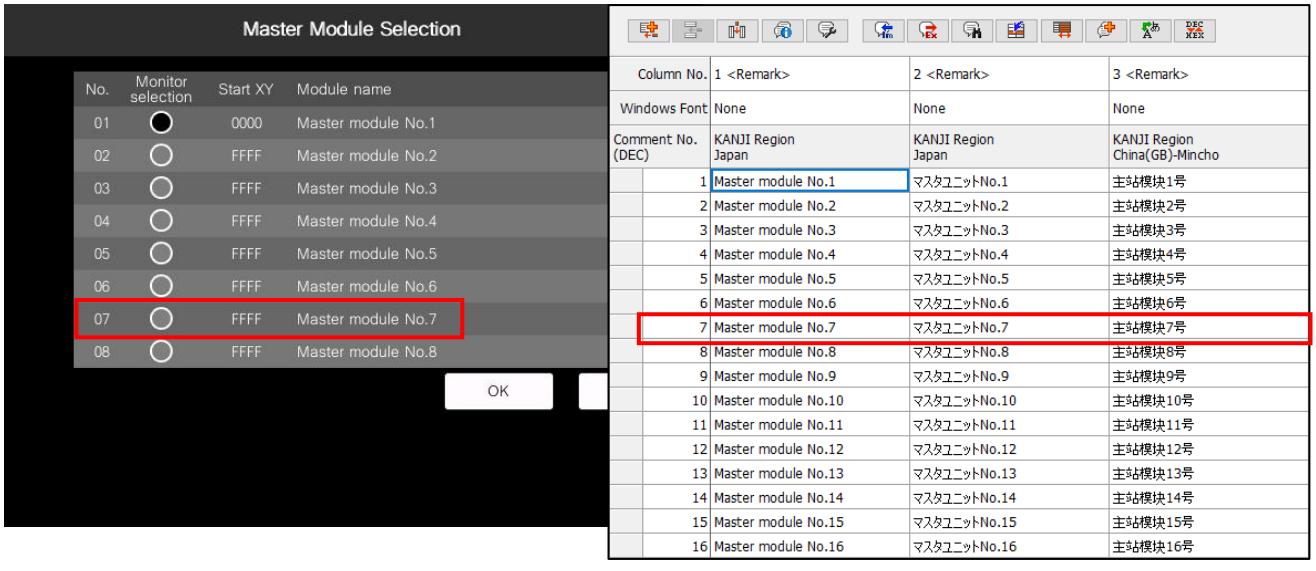
8.1.1 Setting Master Module Names

How to set the master module names is explained below.

(1) Go to [Comment] – [Open] to open the "Comment group No. 400 Master module name".



(2) Edit the comment that corresponds to No. of the base screen B-30290: "Master Module Selection" screen.
Example) When changing the master module name of No.7, edit the comment No.7.



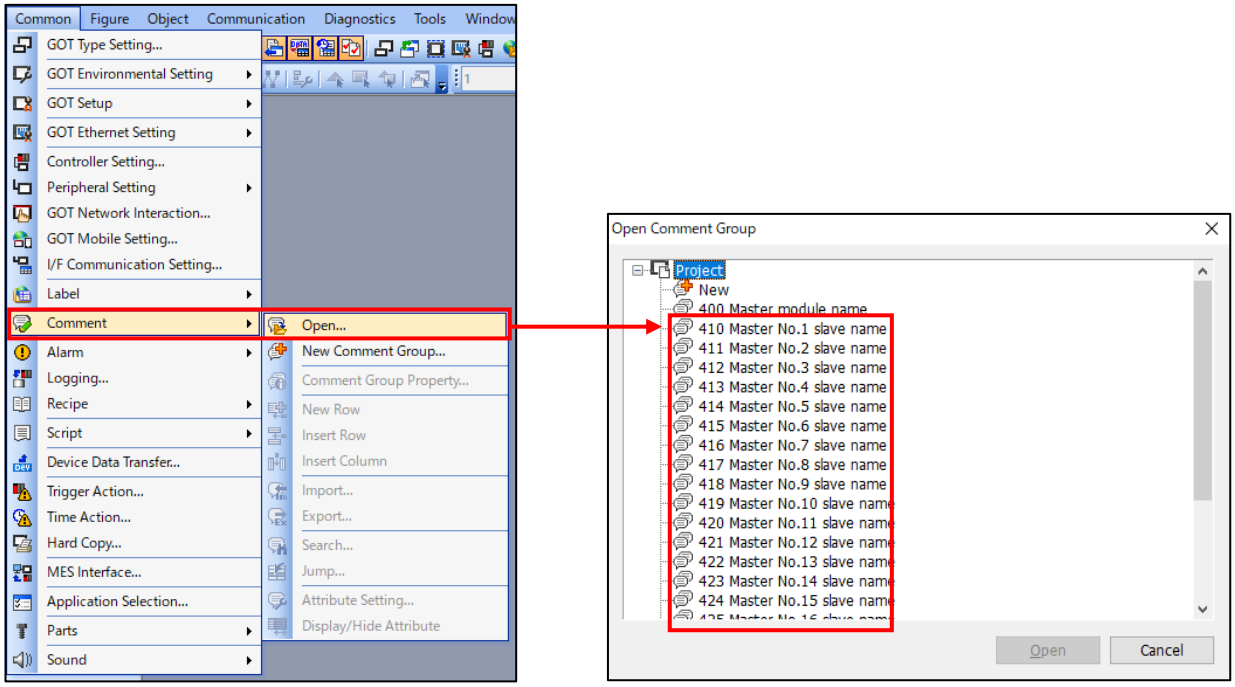
■Considerations

When exporting comments from GT Designer3 to edit them, export them as Unicode text files. Otherwise, there is a possibility that the registered comments are not exported correctly.

8.1.2 Setting Slave Module Names

In the sample screens, the name for each slave module can be displayed.
Set the slave module name for each master module.
How to set the slave module name is explained below.

(1) Go to [Comment] - [Open] to open the comment group "Master No. * Slave Name" ("No.410" to "No.425").
(* is the No. of the master module to which the target slave module is connected.)



(2) Edit the comment of the No. that corresponds to the slave module whose name needs to be set.

Comment No. is assigned to each slave module based on the following rule.

- Bit output module: Address of the slave module +1
- Bit input and bit I/O combined module: Address of the slave module +513
- Word output module: Word address of the slave module + 1025
- Word input and word I/O combined module: Word address of the slave module + 1537

Comment No.	Bit/Word Type	I/O Type	Address
1	Bit	Output	0
2			1
3			2
…			…
255			254
513		Input and I/O combined	0
514			1
…			…
767			254

Comment No.	Bit/Word Type	I/O Type	Word Address
1025	Word	Output	0
1026			1
1027			2
…			…
1535			510
1537		Input and I/O combined	0
1538			1
…			…
2047			510

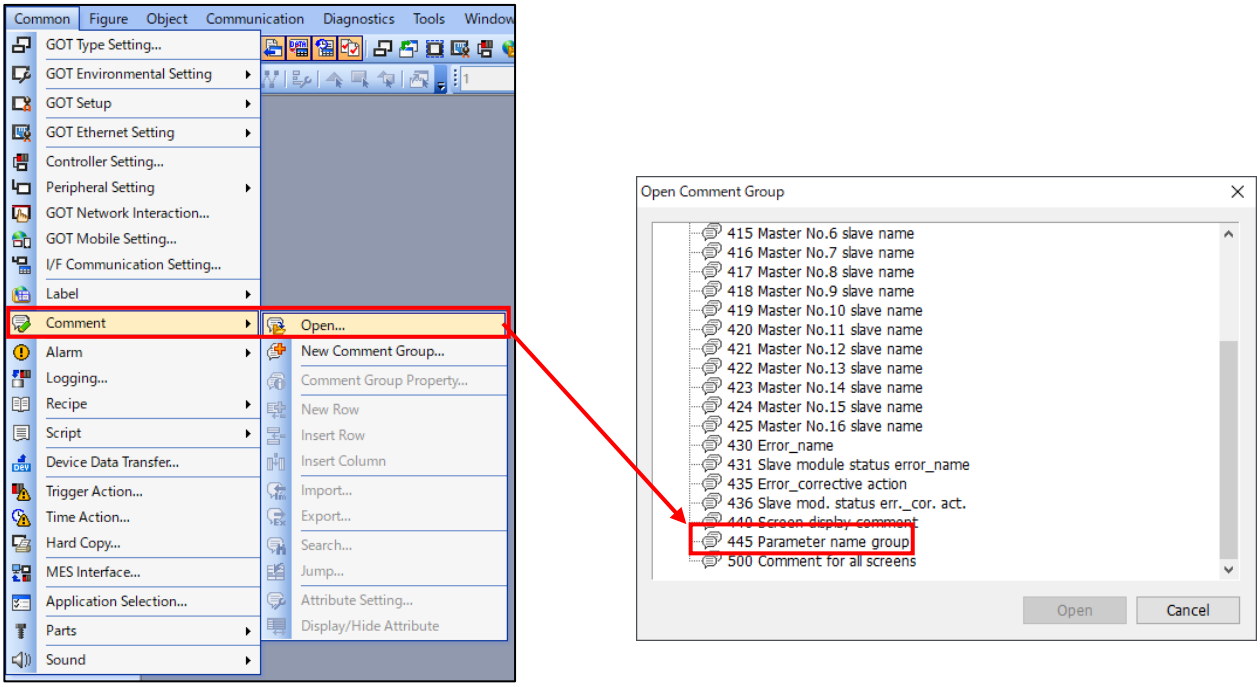
*Set the name of the word bit slave module as the word slave module.

Example: Register the name of the word bit output slave module for which word address 0 is set in the comment No.1025.

8.1.3 Setting Parameter Name Groups

How to set the parameter name group displayed in the base screen B-30250: "Detail Information Frame Work" screen is explained below.

(1) Setting the displayed comment
Go to [Comment] - [Open] to open the "comment group No.445 Parameter name group.



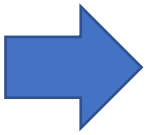
Edit the target parameter name group No. and the comment that corresponds to the parameter.

50 comments are assigned to one parameter name group as below.
Start: Parameter name group No.
+1 to +19: Parameter 1 to parameter 19
+20: Sensing level
+21 to +39: Space for unit comments
+40 to +49: Available space

Comment No.	Parameter Name Group No.	Comment
1	1	Parameter name group No.1
2		Parameter 1
3		Parameter 2
4		Parameter 3
…		…
20		Parameter 19
21		Sensing level
22 to 40		(Available space for unit comments)
41 to 50		(Available space)
51	2	Parameter name group No.2
52		Parameter 1
53		Parameter 2
…		…
101	3	Parameter name group No.3
…		…
451	10	Parameter name group No.10
452		Parameter 1
…		…
500		(Available space)

Setting example:
In accordance with the product guide of the slave module, correct the comments for the device parameter and the unit.

Column No.	1 <Remark>
Windows Font	None
Comment No. (DEC)	KANJI Region Japan
1	Parameter name group No.1
2	Parameter 1
3	Parameter 2
4	Parameter 3
5	Parameter 4
6	Parameter 5
7	Parameter 6
8	Parameter 7
9	Parameter 8
10	Parameter 9
11	Parameter 10
12	Parameter 11
13	Parameter 12
14	Parameter 13
15	Parameter 14
16	Parameter 15
17	Parameter 16
18	Parameter 17
19	Parameter 18
20	Parameter 19
21	Sensing level



Column No.	1 <Remark>
Windows Font	None
Comment No. (DEC)	KANJI Region Japan
1	Proximity type
2	Threshold
3	Hysteresis
4	Alarm judgment (Hi)
5	Alarm judgment (Lo)
6	Time of alarm
7	Normally Open/Closed
8	Mode change
9	
10	
11	Delay timer ON/OFF
12	Delay timer value
13	
14	
15	
16	
17	
18	
19	
20	
21	Sensing level
26	x100ms
32	x10ms

Additional explanation:
Input "x100ms" to the comment No. 26 as the unit for the parameter 5 "Alarm monitoring time".
Input "x10ms" to the comment No. 32 as the unit for the parameter 11 "Delay timer value".

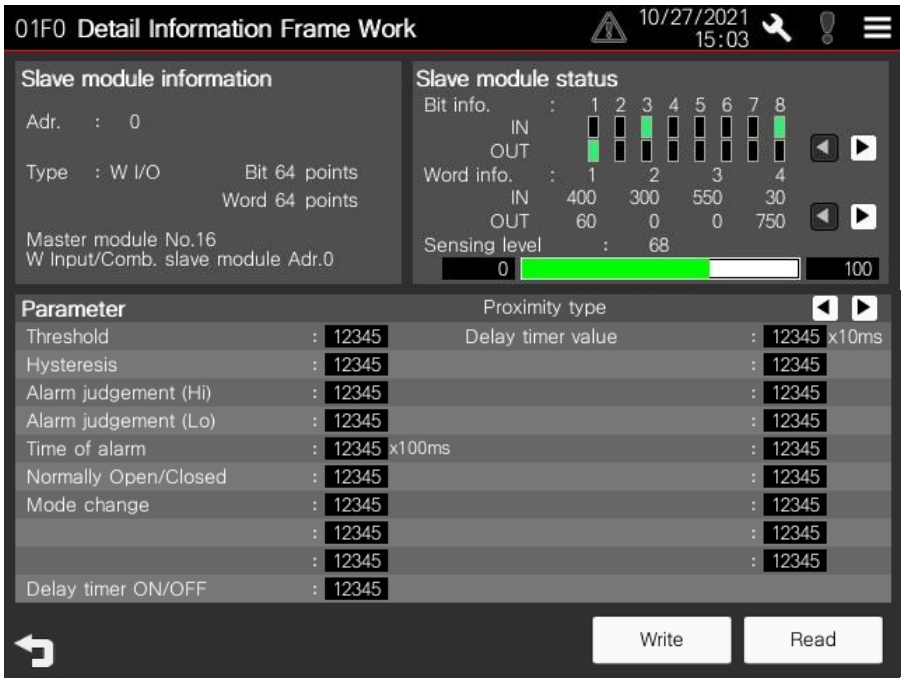
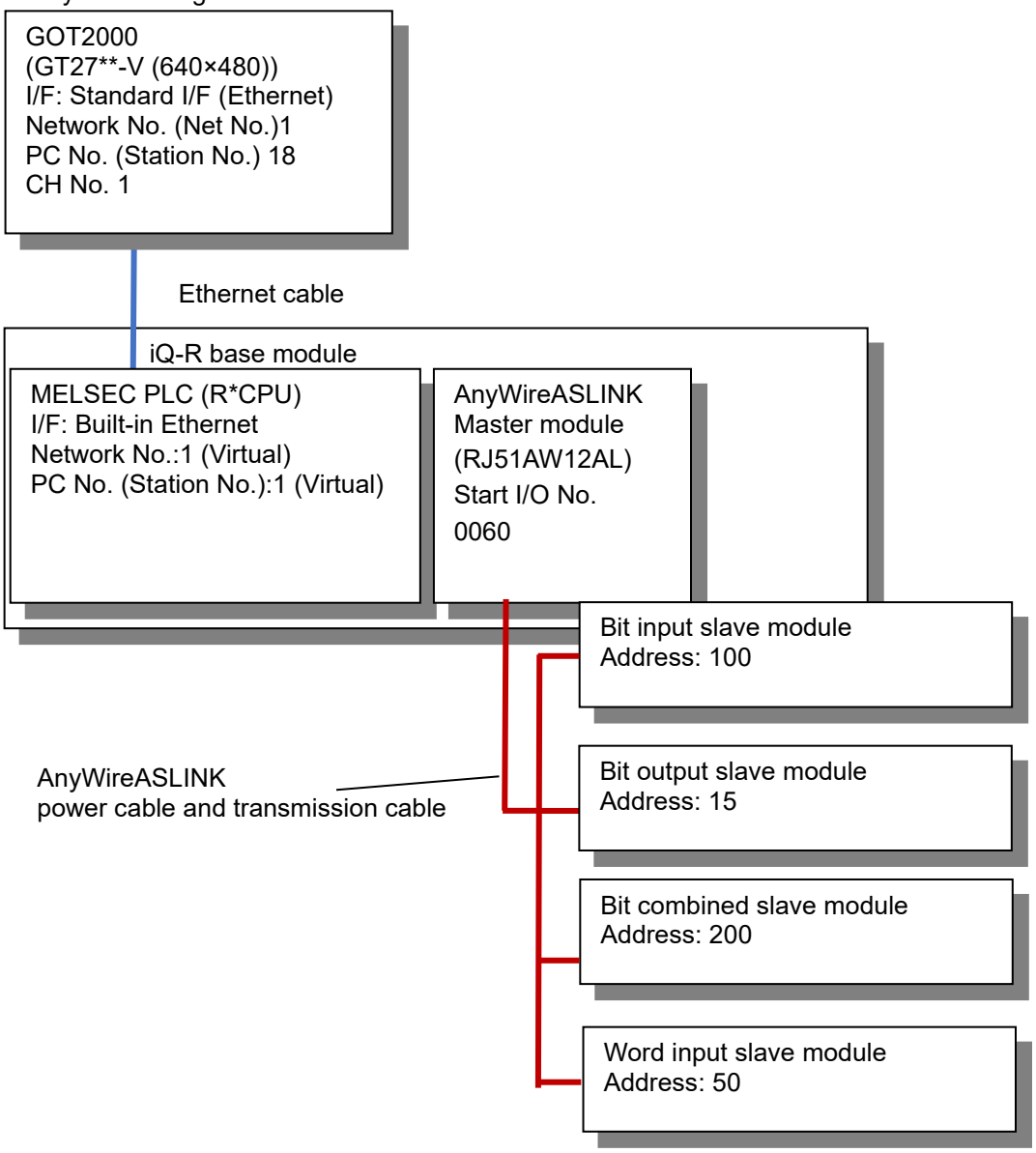


Image: Display image after correcting the comment

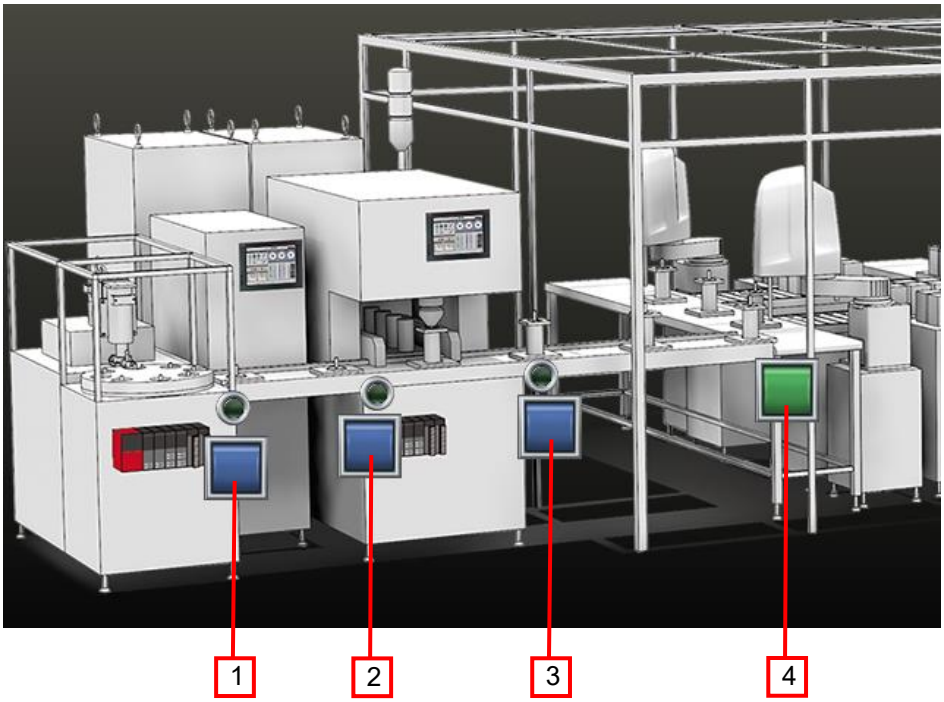
8.2 Use iQSS Utility Special Control Function in the User Screen

This section explains how to perform the settings when using the iQSS utility special control function in the user screen.

■Assumed system configuration



■Example of a created screen



■Operations to be achieved

- By touching the special function switch [1], the bit input slave module (address: 100) is displayed in the Monitoring Information screen of the iQSS utility function.
- By touching the special function switch [2], the bit output slave module (address: 15) is displayed in the Monitoring Information screen of the iQSS utility function.
- By touching the special function switch [3], the bit combined slave module (address: 200) is displayed in the Parameter Information screen of the iQSS utility function.
- By touching the special function switch [4], the word input slave module (address: 50) is displayed in the Monitoring Information screen of the iQSS utility function.

■Settings

(1) Settings of objects

Perform the settings of the special function switches [1] to [3] as the following table.

Setting item	Special function switch [1]	Special function switch [2]	Special function switch [3]	Special function switch [4]
Switch Action	iQSS Utility			
Specify the destination to connect the screen of iQSS Utility	Checked			
CH No.	1			
Network	Other *1			
Net No.	1			
Station No.	1			
CPU Machine	0			
Name *2	<iQSS=129>	<iQSS=130>	<iQSS=131>	<iQSS=132>

*1: The setting "Host" is also available.

*2: In the sample screens, "<iQSS=1>" to "<iQSS=128>" are used as the names of special function switches. For the names of the special function switches used in the user screen, use "<iQSS=129>" or later so that the names do not overlap with the names in the sample screen.

(2) Settings that write set values in GS devices and GD devices
In the sample screens, GD52896 to GD53231 are secured for users as the parameter areas for the iQSS utility special control.
In this example, GD52896 to GD52916 are used for the iQSS utility special control function.

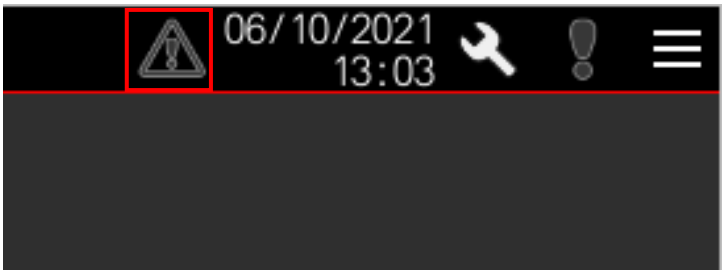
Perform the settings with recipes and scripts to store the following values in the GS devices and the GD devices before touching the special function switches.

Device	Set Value (Decimal)	Remarks
GS1810	1	Enable the iQSS utility special control function.
GS1811	52000	Use GD devices 52000 or later as the parameters for the iQSS utility special control.
GS1812	176	The number of parameters used in the iQSS utility special control function.

Device	Set Value (Decimal)	Remarks
GD52896	129	Correspond to the switch of <iQSS=129>.
GD52897	96	Start I/O No. of the master module "0060H" is displayed in decimal.
GD52898	100	Address of the slave module.
GD52899	0	Type: input
GD52900	0	Display the Monitoring Information screen.
GD52903	130	Correspond to the switch of <iQSS=130>.
GD52904	96	Start I/O No. of the master module "0060H" is displayed in decimal.
GD52905	15	Address of the slave module.
GD52906	64	Type: output
GD52907	0	Display the Monitoring Information screen.
GD52910	131	Correspond to the switch of <iQSS=131>.
GD52911	96	Start I/O No. of the master module is displayed in decimal.
GD52912	200	Address of the slave module.
GD52913	128	Type: I/O combined
GD52914	1	Display the Parameter Information screen.
GD52917	132	Correspond to the switch of <iQSS=132>.
GD52918	96	Display the start I/O No. 0060H of the master module in decimal.
GD52919	50	Address of the slave module.
GD52920	256	Type: Word input
GD52921	0	Display the Monitoring Information screen.

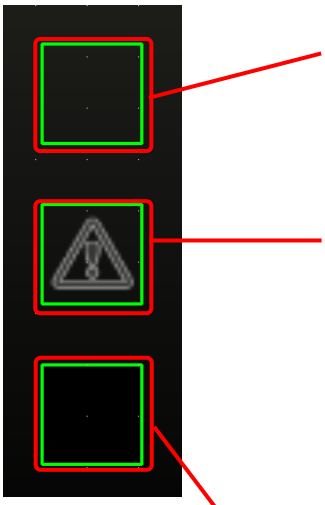
8.3 Utilizing Error Occurrence Notification of the Header to the User Screen

This section explains how to utilize the error occurrence notification (the red frame in the figure below) in the header of the sample screen to the user screen.



(1) Configuration of the error occurrence notification

As the prior knowledge of utilization, the following explains the configuration of the error occurrence notification.
Error occurrence notification is made by overlapping one go to screen switch and two word lamps.



Go to screen switch
- Destination screen: Base screen B-30260: "Latest Error Information" screen
- Layer: Front

Word lamp (icon)
- Monitor device: GD53340
- Style

State 0	:	Display "!" icon
State 1	: $V == 1	Display "!" icon
State 2	: $V == 2	Display "!" icon
State 3	: $V == 3	Display "-" icon
State 4	: $V == 4	Display "-" icon
State 5	: $V == 5	Display "?" icon

- Layer : Front
- Object script is set.

Word lamp (background)
- Monitor device: GD53340
- Style

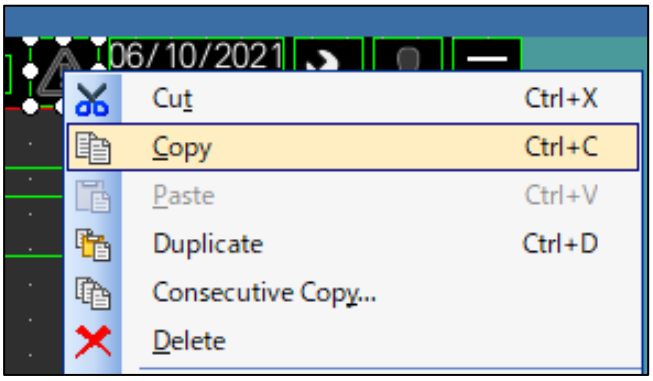
State 0	:	Display in black
State 1	: $V == 1	Display in yellow (diagonal line)
State 2	: $V == 2	Display in yellow
State 3	: $V == 3	Display in red (diagonal line)
State 4	: $V == 4	Display in red
State 5	: $V == 5	Display in gray

- Layer : Back

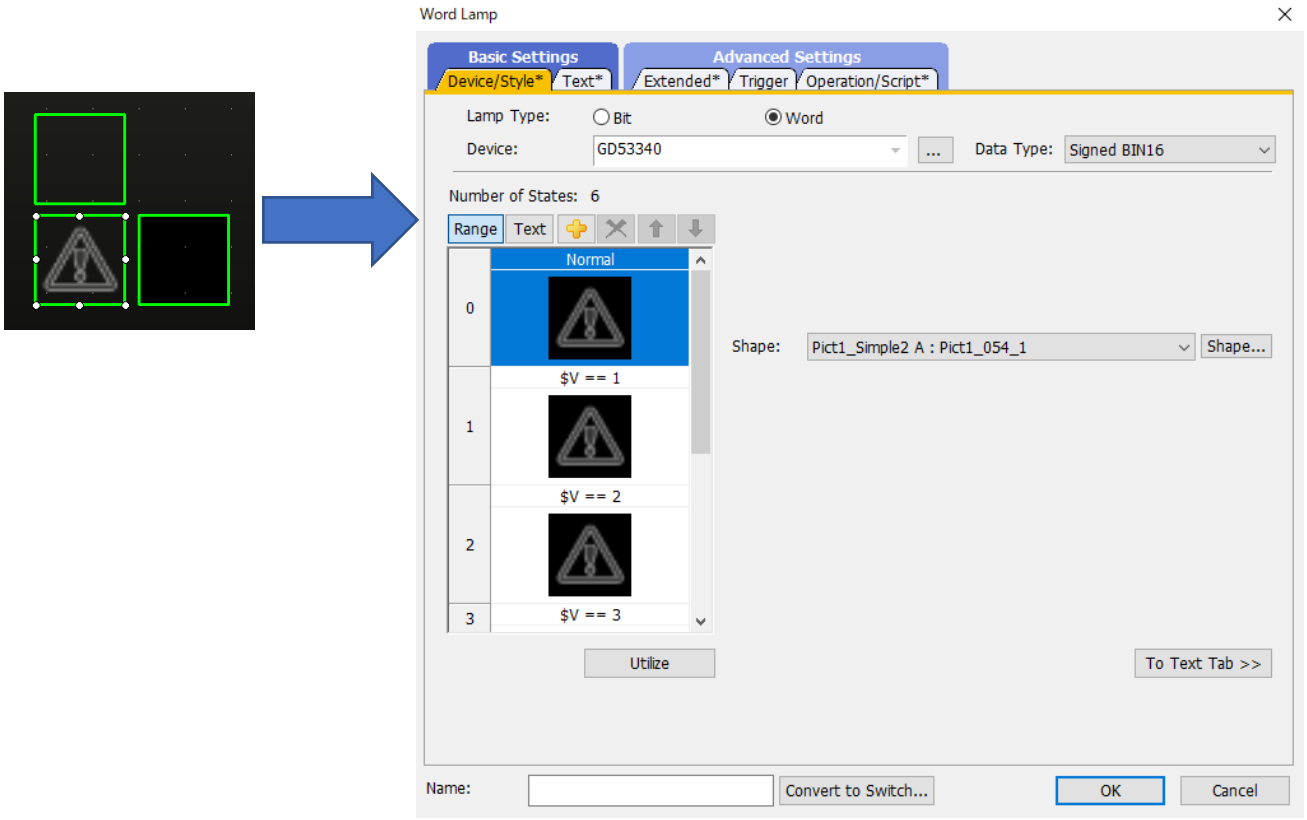
In the object scripts that are set to word lamps (icon), "FF" is specified as the buffer memory unit No.
In this sample screen, "FF" is set as the target module No. of the buffer memory unit No. switching function; therefore, the master module specified in the module No. switching device is monitored.
(The details of the setting are described in "3.2 Controller Setting".)

(2) How to utilize the error occurrence notifications in the user screen
Utilize the error occurrence notifications in accordance with the following procedures.

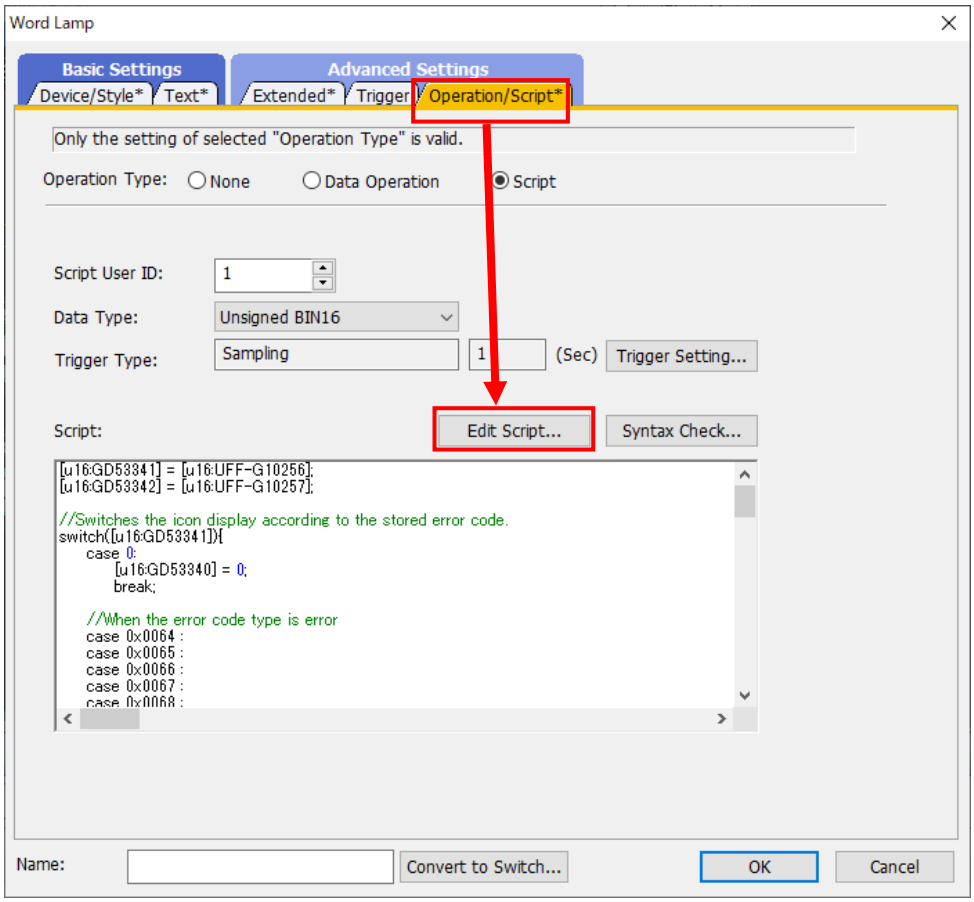
(a) Copy the error occurrence notifications (one go to screen switch and two word lamps) in this sample screen, and paste them on the user screen.



(b) Select the word lamp (icon) of the pasted error occurrence notification in (a), and open the setting dialog. (When the word lamp (icon) cannot be selected, change the position of the object temporarily.)

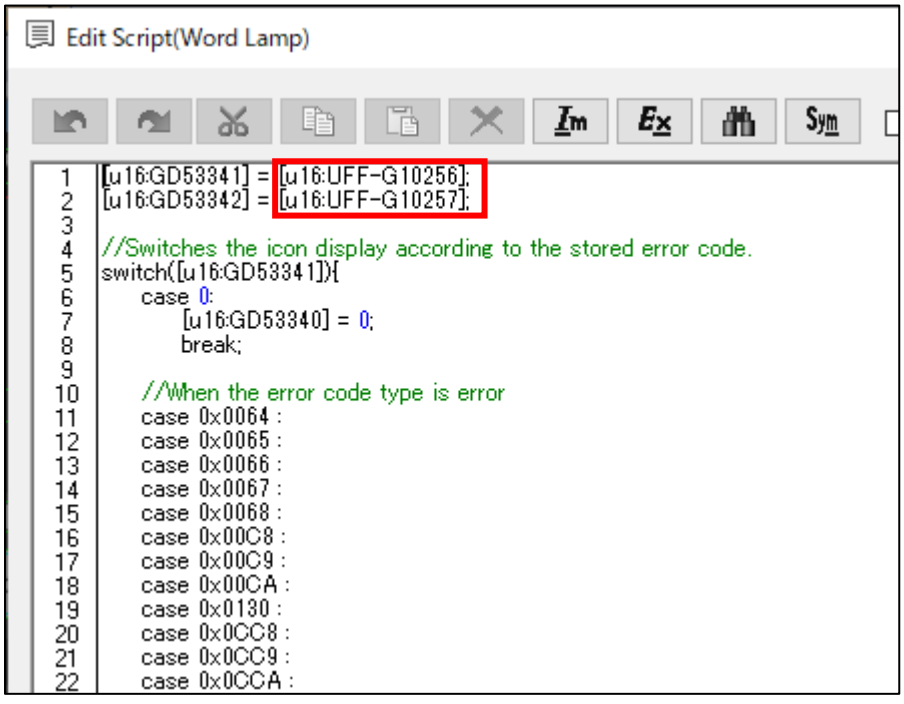


(3) Select the [Operation/Script] tab, and then click [Edit Script].



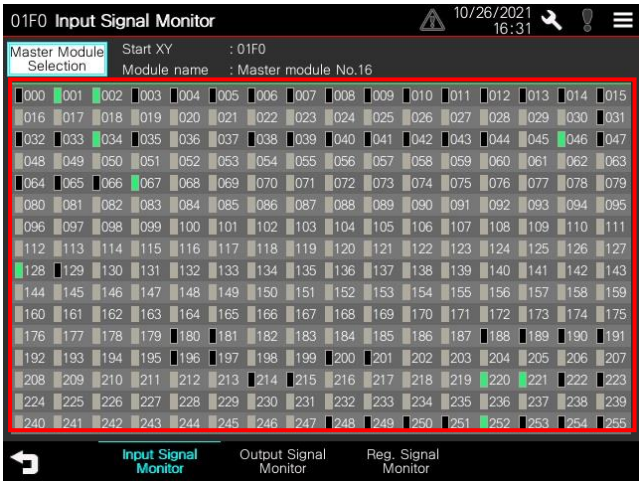
(4) In the script, correct the module No. ("FF") of the buffer memory devices ("UFF-G10256" and "UFF-G10257") that are on the first 2 lines to the module No. of the target master modules monitored in the user screen. (Module No. is the middle 2 digits of the 4-digit start I/O No. of the master module that is displayed in hexadecimal.)

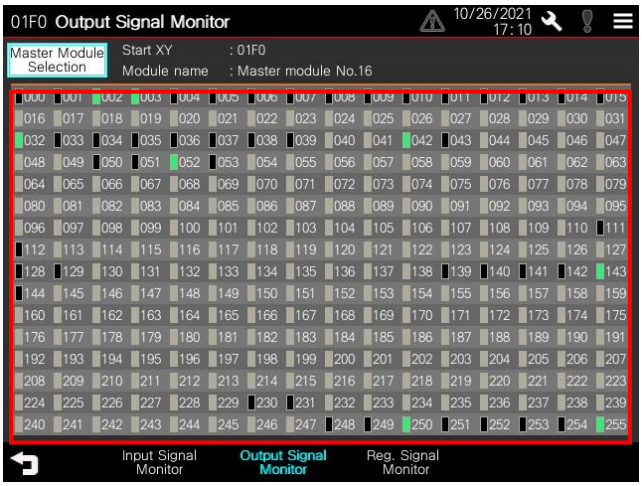
Setting example)
When monitoring the module No.10 (hexadecimal) (the master module whose start I/O No. is 0100H), modify "FF" to "10".



8.4 Utilizing Signal Status Indicator Lamps of the Input Signal Monitor and Output Signal Monitor to the User Screen

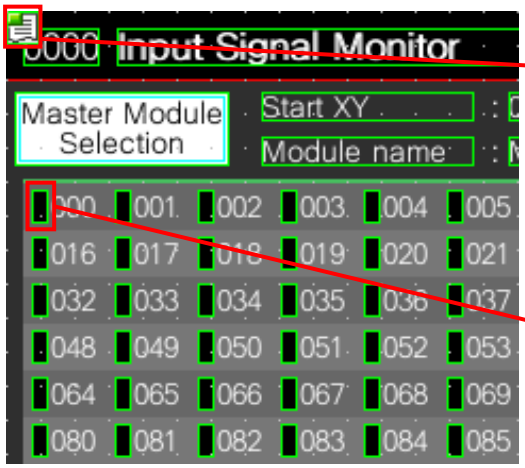
This section shows how to utilize the lamps (the red frames in the figures below) that indicate the statuses of the input/output signals on the base screen B-30220: "Input Signal Monitor" screen or base screen B-30221: "Output Signal Monitor" screen to the user screen.





(1) Configuration of signal status indicator lamp

As the prior knowledge of utilization, the following explains the configuration of the signal status indicator lamp. Signal status indicator lamp is made by setting multiple bit conditions to one word lamp.



Script part

When the screen is displayed, the signal occupancy status of the slave module is determined. When the signal is not occupied, the word lamp condition 1 device is turned ON.

Setting word lamp of signal No.0

Monitor device: GD53390 (Unused dummy device)

Style

Condition 0:	OFF	(Black)
Condition 1: GD54000.b0 ON	No signal occupied	(Gray)
Condition 2: UFF-G0.b0 ON	ON	(Green)

*The device No. and bit No. of condition 1 and condition 2 are different for each signal.

In the device of condition 2 of the word lamp, "FF" is specified as the buffer memory unit No.
In this sample screen, "FF" is set as the target module No. of the buffer memory unit No. switching function; therefore, the master module specified in the module No. switching device is monitored.
(The details of the setting are described in "3.2 Controller Setting".)

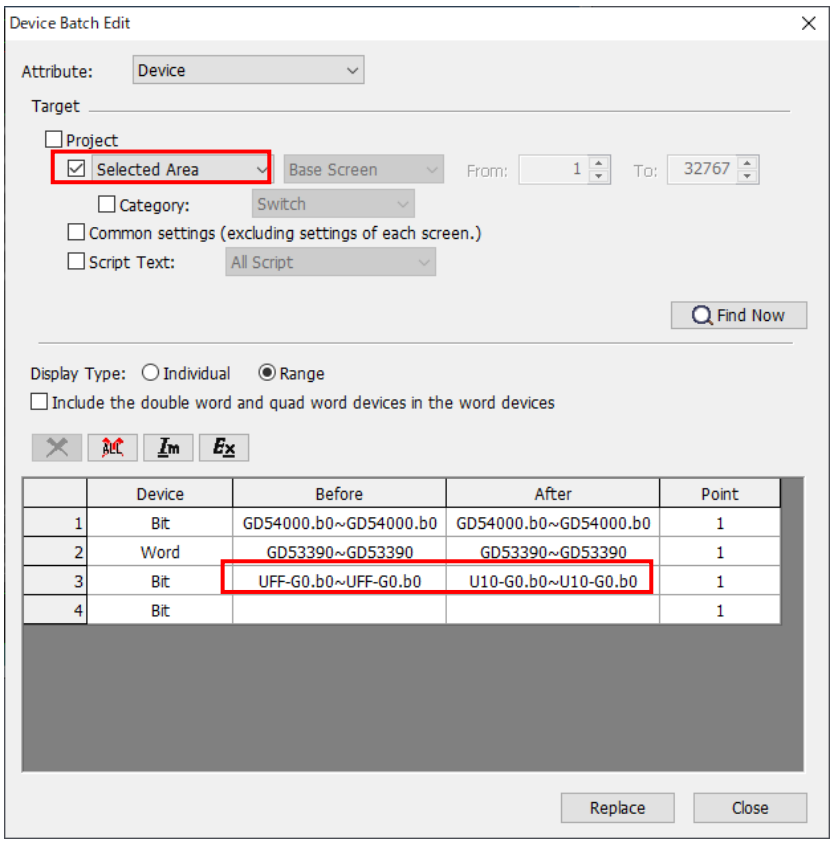
(2) Procedure to utilize the lamps to the user screen
Follow the steps to utilize the lamps.

1) Copy any signal status indicator lamp and the script part, and then paste them onto the user screen.
* It is necessary to place one script part on the base screen B-30220: "Input Signal Monitor" screen onto the screen where the input signal status indicator lamp is to be placed. As for the screen where the output signal status indicator lamp is to be placed, it is necessary to place one script part of the base screen B-30221: "Output Signal Monitor" screen.

2) Select all the pasted signal status indicator lamps, and then select [Find/Replace] - [Batch Edit] - [Device]. Select [Selected Area] in [Target], and then click [Find Now].

3) The search results are displayed. Select "Range" in "Display Type", set "UFF-G0.b0 to UFF-G4111.b15" to "U **-G0.b0 to U **-G4111.b15", and click [Replace]. ("**" indicates the module No. of the master module to be monitored on the utilized screen.)
*The module number is the central two digits when the start I/O No. of the master module is expressed in 4 hexadecimal digits.

Example)
When monitoring module No.10 (hexadecimal) (master module of the start I/O No. 0100H), set "U10-G0.b0 to U10-G4111.b15" in [After].

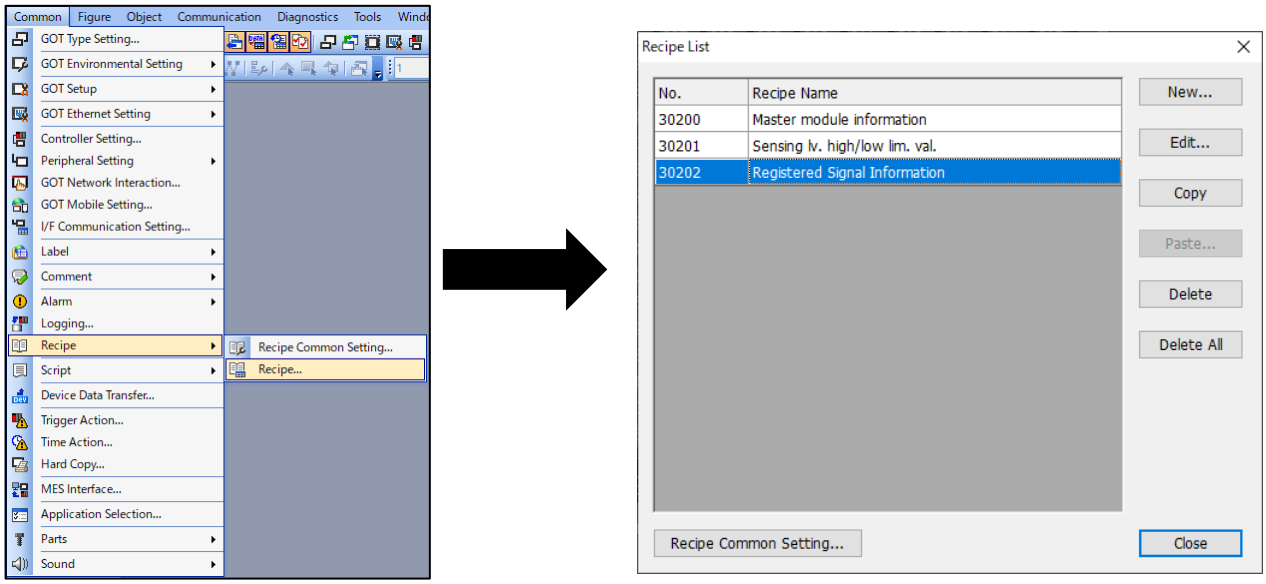


4) Double-click the script part, and edit Script2.
In the script processing, change the module No. ("FF") of the buffer memory device ("UFF-G *") to the module No. specified in [After] in (2).

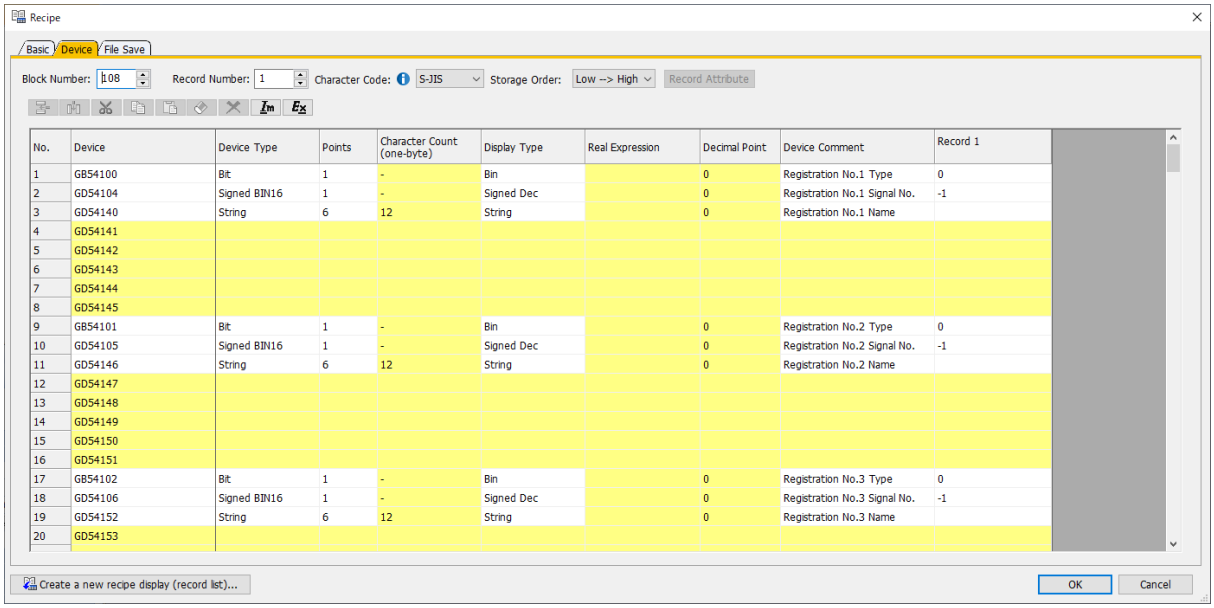
8.5 Registering Monitor Signals on the Registered Signal Monitor Screen with GT Designer3

The section shows how to register signals to be monitored on the base screen B-30222: "Registered Signal Monitor" screen using GT Designer3.

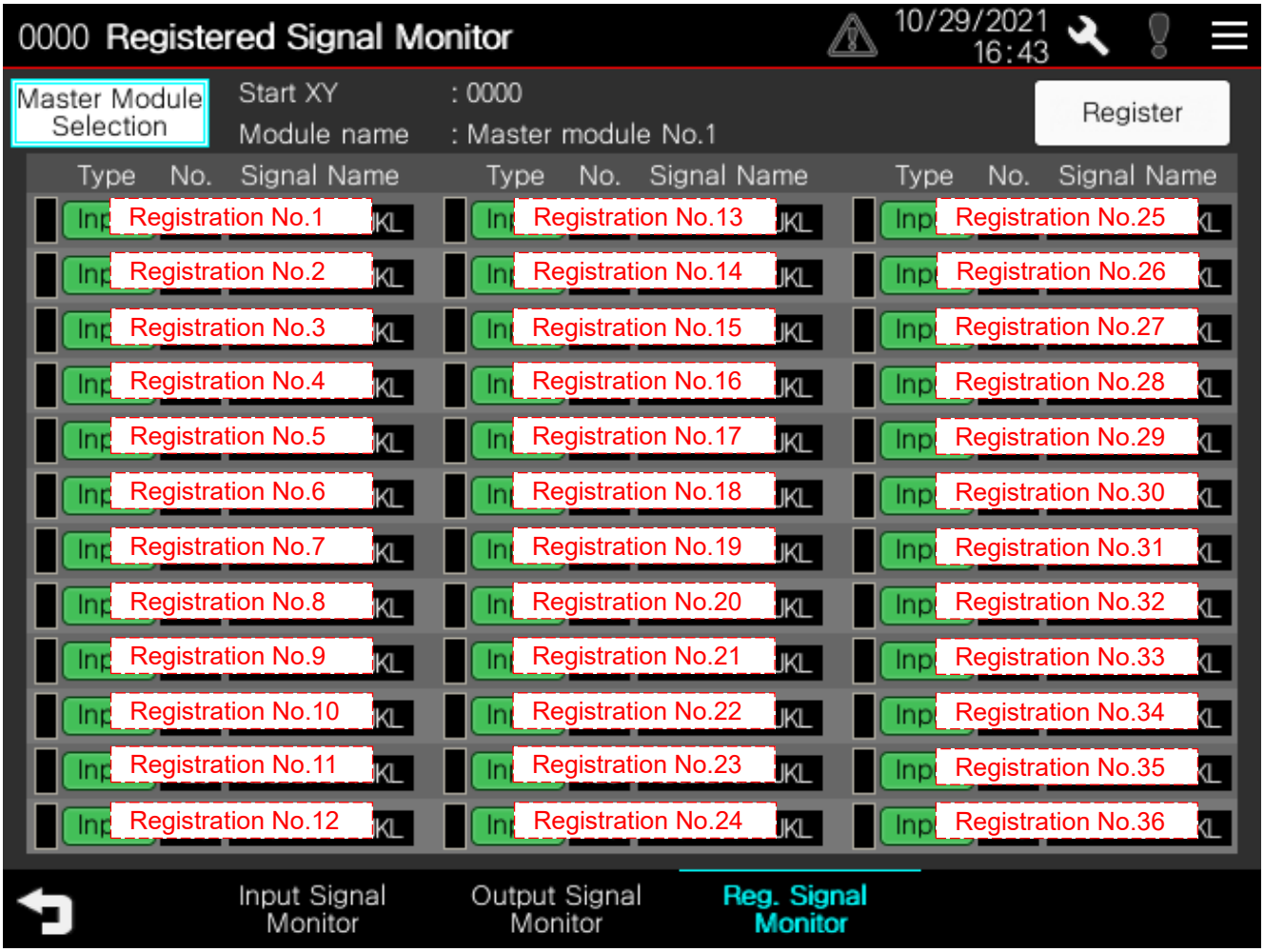
(1) Open the project data in GT Designer3. Go to [Common] - [Recipe] - [Recipe] to open "Recipe No.30202 Registered Signal Information".



(2) Select the [Device] tab.



(3) Edit the record value to be registered in Registration No. 1 to Registration No. 36 in [Device Comment].
The objects on the base screen B-30222: "Registered Signal Monitor" screen and the registration No. are displayed as follows.



Item	Set Value
Registration No.* Type	0: Input (default) 1: Output
Registration No.* Signal No.	-1: Disabled (default) 0 to 255: Signal No. * If a value other than 0 to 255 is set, it will be regarded as disabled.
Registration No.* Name	Up to 12 half-width alphanumeric symbols or up to 6 full-width hiragana and katakana characters

Example) Register output signal No.120 as "Sensor No. 5" in Registration No. 2.

9	GB54101	Bit	1	-	Bin		0	Registration No.2 Type	1
10	GD54105	Signed BIN16	1	-	Signed Dec		0	Registration No.2 Signal No.	120
11	GD54146	String	6	12	String		0	Registration No.2 Name	Sensor No. 5
12	GD54147								
13	GD54148								
14	GD54149								
15	GD54150								
16	GD54151								

9. TROUBLESHOOTING

Troubleshooting on the sample screens is explained below.

9.1 System Alarm

(1) System alarm "582 Cannot generate Advanced recipe file." occurs.

No.	Cause	Countermeasure
1	An SD card is not inserted to the GOT.	Insert an SD card to the GOT.
2	The capacity of the SD card is insufficient.	Delete unnecessary data stored in the SD card to secure the capacity.

(2) System alarm "330 Insufficient memory media capacity. Confirm M-card capacity." occurs.

No.	Cause	Countermeasure
1	The capacity of the SD card is insufficient.	Delete unnecessary data stored in the SD card to secure the capacity.

9.2 Error Dialog in iQSS Utility Function

(1) "No target module existed at the destination CPU specified." is displayed.

No.	Cause	Countermeasure
1	Start XY specification is incorrect.	Check the system configuration and the value of start XY specification device.

(2) "No target CPU exists, or the CPU is not supported by the iQSS utility function. Please select the destination CPU again." is displayed.

No.	Cause	Countermeasure
1	No target CPU exists.	Check the system configuration and correct the specification of the connection destination in the special function switch.
2	The target CPU does not support the iQSS utility function.	Check "22.2 Specifications" in "GOT2000 Series User's Manual (Monitor)", and use the CPU that supports the iQSS utility function.

(3) "The specified sensor device does not exist." is displayed.

No.	Cause	Countermeasure
1	The address or the I/O type specified in the parameters for the iQSS utility special control function is incorrect.	Check the system configuration and the device values of the parameters for the iQSS utility special control function.
2	The specified slave module is not detected by the automatic address detection.	Perform the automatic address detection.

(4) "The address or the station number of the specified sensor device is overlapped with another sensor device." is displayed.

No.	Cause	Countermeasure
1	Multiple slave modules of the specified address and the type are connected.	Perform the settings in which addresses of the slave modules do not overlap, and then perform the address automatic detection.

(5) "Failed to read the information." is displayed.

No.	Cause	Countermeasure
1	A communication error or a device error occurred when reading the information.	Solve the error by using the engineering tool.
2	The following ASLINK errors are occurring in the specified master module. ・ DP/DN short error ・ 24V/DP short error ・ Master module hardware error ・ CPU module stop error ・ EEPROM access error ・ EEPROM error (ID, parameter information) ・ System error (NMI signal detection) ・ ASIC access error (library I/F function access error)	Check the corrective action in the base screen B-30292: "ASLINK Error Information" screen. The screen is displayed after closing the error dialog in the iQSS utility function.
3	The following ASLINK errors are occurring in the specified slave module. ・ DP/DN disconnection error ・ Parameter access error	
4	The following functions are executed in the specified master module. ・ Automatic address detection ・ Overlap address inspection ・ Parameter access	Read the information again after completing the processes of the functions in the "Cause".
5	About 5 seconds have not passed since the power supply of the AnyWireASLINK system is turned on or the system reset is performed.	Read the information after about 5 seconds have passed since the power supply of the AnyWireASLINK system is turned on or the system reset is performed.

(6) "The specified sensor device does not have a profile." is displayed.

No.	Cause	Countermeasure
1	The profile data that corresponds to the specified slave module does not exist in the SD card.	Refer to "7.1 Preparation of CSP + for iQSS Data" and write CSP+ data in the SD card.

(7) "The profile information of the displayed sensor device differs from that of the connection destination sensor device. Touch the update button to refresh the device list." is displayed.

No.	Cause	Countermeasure
1	After executing the iQSS utility function for the first time, the configuration of the slave module is changed.	Display the iQSS Utility Function: "Device List Information" screen, and then update the device list with the "Update list" button.

10. PRECAUTIONS

Precautions of the sample screens are explained below.

(1) When changing the settings of recipe function set on the sample screens

When changing the settings of the recipe function on the sample screen, delete the recipe files saved in the SD card that is inserted to the GOT.

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

(2) Trigger of recipe function

When the recipe function is used in your project data, make sure to perform the settings to turn off the write trigger device and the read trigger device of the recipe after the recipe starts to operate.

Otherwise, the recipe settings of the sample screen do not operate correctly.

(3) SD card

When using the sample screens, make sure to insert an SD card to the GOT before turning on the power supply of the GOT. If an SD card is inserted to the GOT after the power supply of the GOT is turned on, the sample screen may not operate correctly.

(4) Initial startup time of the iQSS utility function

All CSP + for iQSS data in the SD card are read when starting the iQSS utility function for the first time.

Since the time for reading the data depends on the number of CSP+ for iQSS data, it is recommended to store only the necessary CSP+ data.

(5) When switching the base screen from the user screen to the sample screen

When switching from the user screen to the sample screen, make sure to switch via the base screen B-30200: "Main Menu" screen.

(6) When the buffer memory unit No. switching function is used in the user screen

When the buffer memory unit No. switching function is used in the user screen, in accordance with the following example, add the project script that writes back the value into the buffer memory unit No. switching device when switching from the sample screen to the user screen.

Comment	Buffer Mem. Swit. Backup/Rest.		
Data Type	Unsigned BIN16	Trigger Type	Sampling (1x100ms)

```
//When the screen switching device is 30200 to 30292 (sample screens), backs up the switching device value.
if((30200 <= [<$:Com_Label:u16_Com_CngBsDv>]) && ([<$:Com_Label:u16_Com_CngBsDv>]<= 30292 ) &&
[b:GB53899] == OFF){
    set([b:GB53899]);                          //Backup flag on
    [w:GD53899] = [<$:Com_Label:u16_Com_BufMemUnitNumDv>];
                                               //Backs up the buffer memory unit No. switching device value
}else{
//Restore the switching device when the screen switching device value is other than sample screens.
    if( (([<$:Com_Label:u16_Com_CngBsDv>]    < 30200 ) || ([<$:Com_Label:u16_Com_CngBsDv>] > 30292 )) &&
[b:GB53899] == ON){
        [<$:Com_Label:u16_Com_BufMemUnitNumDv>] =
                    [w:GD53899];               //Restores the buffer memory unit No. switching device value
        rst([b:GB53899]);                      //Backup flag off

    }
}
```

* The default screen No. and device No. of the sample screen are used in the above script.

(7) Display of the iQSS utility function when "中文(簡体)" is set to the display language

The following screens of the iQSS utility function are displayed based on the information in the CSP+ data.

- "Device List Information" screen
- "Monitoring Information" screen
- "Parameter Information" screen

Since the CSP+ for iQSS data do not support the language **"中文(簡体)"** (Simplified Chinese characters), the following items are displayed in English when **"中文(簡体)"** is set to the display language of the sample screen.

- Explanation of each slave module
- The parameter name and the set value of each slave module

Image: Display image of the "Parameter Information" screen when **"中文(簡体)"** is set to the display language.

(8) Precautions for reading / writing parameters and automatic address detection

When executing parameter reading / writing or automatic address detection, do not perform the following operations.

- Turn off the power supply of the GOT.
- Reset the GOT. (The reset switch on the GOT rear face and the GOT special register GS639 (GOT Reset Control)).
- Reboot the GOT by transferring data from the screen design software.
- Turn off the power supply of the PLC.

If performing the above operations accidentally, the sample screens may not operate correctly.
Then, reboot the whole system including the PLC CPU.

(9) Version of the drawing software

The iQSS utility function has been improved in GT Designer3 Ver.1.270G. Therefore, please use GT Designer3 Ver.1.270G or later when using the sample screens.

11. TRADEMARKS

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12. APPENDIX

(1) Slave modules that support the display of detail information with the iQSS utility function

No.	Type Name	Model				Supported Ver.
1	B232SB-MX100-STP	ASLINKSENSOR	Input Module	non-Isolated	Comb type Main-Module	Ver.1
2	B232SB-SX100-STP	ASLINKSENSOR	Input Module	non-Isolated	Comb type Sub-Module	Ver.1
3	B262-HR16-IN	ASLINKTERMINAL	Input Module	non-Isolated	Input Panel Switch	Ver.2
4	B262-HR16-OUT	ASLINKTERMINAL	Output Module	non-Isolated	Output LED Display	Ver.2
5	B280PB-02U-C1220	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.1
6	B280PB-02US-C1220	ASLINKER	Output Module	non-Isolated	Source Type	Ver.1
7	B280SB-02U-C1220	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.1
8	B280SB-02US-C1220	ASLINKER	Input Module	non-Isolated	Source Type	Ver.1
9	B280XB-02U-C1220	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.1
10	B280XB-02US-C1220	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.1
11	B281PB-02U-2D220	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
12	B281PB-02U-2D720	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
13	B281PB-02U-2D820	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
14	B281PB-02U-7CC20	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
15	B281PB-02U-CC20	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.1
16	B281PB-02U-CD220	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
17	B281PB-02U-CD720	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
18	B281PB-02U-CD820	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2
19	B281PB-02US-2D220	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
20	B281PB-02US-2D720	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
21	B281PB-02US-2D820	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
22	B281PB-02US-7CC20	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
23	B281PB-02US-CC20	ASLINKER	Output Module	non-Isolated	Source Type	Ver.1
24	B281PB-02US-CD220	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
25	B281PB-02US-CD720	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
26	B281PB-02US-CD820	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
27	B281SB-02U-2D220	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
28	B281SB-02U-2D720	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
29	B281SB-02U-2D820	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
30	B281SB-02U-7CC20	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.1
31	B281SB-02U-CC20	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.1

32	B281SB-02U-CD220	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
33	B281SB-02U-CD720	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
34	B281SB-02U-CD820	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
35	B281SB-02US-2D220	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
36	B281SB-02US-2D720	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
37	B281SB-02US-2D820	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
38	B281SB-02US-7CC20	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
39	B281SB-02US-CC20	ASLINKER	Input Module	non-Isolated	Source Type	Ver.1
40	B281SB-02US-CD220	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
41	B281SB-02US-CD720	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
42	B281SB-02US-CD820	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
43	B281XB-02U-2D220	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
44	B281XB-02U-2D620	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
45	B281XB-02U-2D720	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
46	B281XB-02U-2D820	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
47	B281XB-02U-7CC20	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
48	B281XB-02U-CC20	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.1
49	B281XB-02U-CD220	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
50	B281XB-02U-CD620	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
51	B281XB-02U-CD720	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
52	B281XB-02U-CD820	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
53	B281XB-02US-2D220	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
54	B281XB-02US-2D620	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
55	B281XB-02US-2D720	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
56	B281XB-02US-2D820	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
57	B281XB-02US-7CC20	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
58	B281XB-02US-CC20	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.1
59	B281XB-02US-CD220	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
60	B281XB-02US-CD620	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
61	B281XB-02US-CD720	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
62	B281XB-02US-CD820	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
63	B283SB-01-1KC	ASLINKSENSOR	Input Module	non-Isolated	Separate Type (Receiver)	Ver.1
64	B283SB-01-1KP	ASLINKSENSOR	Output Module	non-Isolated	Separate Type(Light source)	Ver.1
65	B283SB-01-1KR	ASLINKSENSOR	Input Module	non-Isolated	Retroreflective type	Ver.1

66	B283SB-01-1KS	ASLINKSENSOR	Input Module	non-Isolated	Diffuse reflection type	Ver.1
67	B284SB-01-1KLP30	ASLINKSENSOR	Input Module	non-Isolated	Compound pressure (-100 to 100kPa)	Ver.1
68	B284SB-01-1KLP30A	ASLINKSENSOR	Input Module	non-Isolated	Compound pressure (-100 to 100kPa)	Ver.2
69	B284SB-01-1KNP30	ASLINKSENSOR	Input Module	non-Isolated	Negative pressure (-100 to 0kPa)	Ver.1
70	B284SB-01-1KNP30A	ASLINKSENSOR	Input Module	non-Isolated	Negative pressure (-100 to 0kPa)	Ver.2
71	B284SB-01-1KPLP30	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 100KPa)	Ver.1
72	B284SB-01-1KPLP30A	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 100Kpa)	Ver.2
73	B284SB-01-1KPP30	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 1Mpa)	Ver.1
74	B284SB-01-1KPP30A	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0to 1Mpa)	Ver.2
75	B284SB-02-1KLP30	ASLINKSENSOR	Input Module	non-Isolated	Compound pressure (-100 to 100kPa)	Ver.1
76	B284SB-02-1KLP30A	ASLINKSENSOR	Input Module	non-Isolated	Compound pressure (-100 to 100kPa)	Ver.2
77	B284SB-02-1KNP30	ASLINKSENSOR	Input Module	non-Isolated	Negative pressure (-100 to 0kPa)	Ver.1
78	B284SB-02-1KNP30A	ASLINKSENSOR	Input Module	non-Isolated	Negative pressure (-100 to 0kPa)	Ver.2
79	B284SB-02-1KPLP30	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 100Kpa)	Ver.1
80	B284SB-02-1KPLP30A	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 100Kpa)	Ver.2
81	B284SB-02-1KPP30	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 1Mpa)	Ver.1
82	B284SB-02-1KPP30A	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure(0~1Mpa)	Ver.2
83	B284SB-J1-1KLP30	ASLINKSENSOR	Input Module	non-Isolated	Compound pressure (-100~100kPa)	Ver.1
84	B284SB-J1-1KNP30	ASLINKSENSOR	Input Module	non-Isolated	Negative pressure (-100 to 0kPa)	Ver.1
85	B284SB-J1-1KPLP30	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 100Kpa)	Ver.1
86	B284SB-J1-1KPP30	ASLINKSENSOR	Input Module	non-Isolated	Positive pressure (0 to 1MPa)	Ver.1
87	B285SB-01-1K1	ASLINKSENSOR	Input Module	non-Isolated	Cylinder Switch	Ver.1
88	B289SB-01AF-CAM20	ASLINKAMP	Input Module	non-Isolated	Fiber Sensor Amplifier	Ver.1
89	B289SB-01AF-CAS	ASLINKAMP	Input Module	non-Isolated	Fiber Sensor Amplifier	Ver.1
90	B289SB-01AK-CAM20	ASLINKAMP	Input Module	non-Isolated	Proximity Sensor Amplifier	Ver.1
91	B289SB-01AK-CAS	ASLINKAMP	Input Module	non-Isolated	Proximity Sensor Amplifier	Ver.1
92	B289SB-01AP-CAM20	ASLINKAMP	Input Module	non-Isolated	Photoelectronic Sensor Amplifier	Ver.1
93	B289SB-01AP-CAS	ASLINKAMP	Input Module	non-Isolated	Photoelectronic Sensor Amplifier	Ver.1
94	B295SB-01-1K24	ASLINKSENSOR	Input Module	non-Isolated	Proximity Switch (M8 Screw type)	Ver.1
95	B295SB-01-1K25	ASLINKSENSOR	Input Module	non-Isolated	Proximity Switch (M12 Screw type)	Ver.1
96	B295SB-01-1K26	ASLINKSENSOR	Input Module	non-Isolated	Proximity Switch (M18 Screw type)	Ver.1
97	B295SB-01-1K27	ASLINKSENSOR	Input Module	non-Isolated	Proximity Switch (M30 Screw type)	Ver.1
98	B297SB-01-1K40	ASLINKSENSOR	Input Module	non-Isolated	Photointerrupter (Standard type)	Ver.1
99	B298PB-02U-M12	ASLINKER	Output Module	non-Isolated	Sink Type	Ver.2

100	B298PB-02US-M12	ASLINKER	Output Module	non-Isolated	Source Type	Ver.2
101	B298SB-02U-M12	ASLINKER	Input Module	non-Isolated	Sink Type	Ver.2
102	B298SB-02US-M12	ASLINKER	Input Module	non-Isolated	Source Type	Ver.2
103	B298XB-02U-M12	ASLINKER	I/O Combined Module	non-Isolated	Sink Type	Ver.2
104	B298XB-02US-M12	ASLINKER	I/O Combined Module	non-Isolated	Source Type	Ver.2
105	B2N87SB-02D-CC20	ASLINKER	Input Module	Non-Isolated	Sink Type	Ver.1
106	B2N87SB-02DS-CC20	ASLINKER	Input Module	Non-Isolated	Source Type	Ver.1
107	BA-F116(-12)	ASLINKAMP	Input Module	non-Isolated	Fiber Sensor Amplifier	Ver.2
108	BL2109PB-04PS-1K	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
109	BL227PB-T07P02V-P	POKAYOKETERMINAL	Output Module	Isolated	No Definition	Ver.1
110	BL227PB-T07P06M-P	POKAYOKETERMINAL	Output Module	Isolated	No Definition	Ver.1
111	BL227PB-T14P02V-P	POKAYOKETERMINAL	Output Module	Isolated	No Definition	Ver.1
112	BL227PB-T14P06M-P	POKAYOKETERMINAL	Output Module	Isolated	No Definition	Ver.1
113	BL227XB-K02VL-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
114	BL227XB-K02VN-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
115	BL227XB-K02V-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
116	BL227XB-K06ML-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.2
117	BL227XB-K06MN-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
118	BL227XB-K06M-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
119	BL227XB-K71MN-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
120	BL227XB-K71M-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
121	BL227XB-K71VN-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
122	BL227XB-K71V-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
123	BL227XB-K72MN-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
124	BL227XB-K72M-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
125	BL227XB-K72N-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.2
126	BL227XB-K72VN-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
127	BL227XB-K72V-P	POKAYOKETERMINAL	I/O Combined Module	Isolated	No Definition	Ver.1
128	BL227XB-T07P02V-C	POKAYOKETERMINAL	Input Module	Isolated	No Definition	Ver.1
129	BL227XB-T07P06M-C	POKAYOKETERMINAL	Input Module	Isolated	No Definition	Ver.1
130	BL227XB-T14P02V-C	POKAYOKETERMINAL	Input Module	Isolated	No Definition	Ver.1
131	BL227XB-T14P06M-C	POKAYOKETERMINAL	Input Module	Isolated	No Definition	Ver.1
132	BL264PB-16FS-T5	ASLINKTERMINAL	Output Module	Isolated	Source type	Ver.2
133	BL264PB-16F-T5	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
134	BL265PB-16F-2-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2

135	BL265PB-16FS-2-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
136	BL265PB-32F-2-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2
137	BL265PB-32FS-2-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
138	BL265SB-16F-2-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
139	BL265SB-16FS-2-20	ASLINKTERMINAL	Input Module	Isolated	Source Type	Ver.2
140	BL265SB-32F-2-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
141	BL265SB-32FS-2-20	ASLINKTERMINAL	Input Module	Isolated	Source Type	Ver.2
142	BL265XB-18F-E84-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
143	BL265XB-32F-2-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
144	BL265XB-32FS-2-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.2
145	BL287PB-02F-2D220	ASLINKER	Output Module	Isolated	Sink Type	Ver.1
146	BL287PB-02F-2D720	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
147	BL287PB-02F-2D820	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
148	BL287PB-02F-7CC20	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
149	BL287PB-02F-CC20	ASLINKER	Output Module	Isolated	Sink Type	Ver.1
150	BL287PB-02F-CD220	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
151	BL287PB-02F-CD720	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
152	BL287PB-02F-CD820	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
153	BL287PB-02FS-2D220	ASLINKER	Output Module	Isolated	Source Type	Ver.1
154	BL287PB-02FS-2D720	ASLINKER	Output Module	Isolated	Source Type	Ver.2
155	BL287PB-02FS-2D820	ASLINKER	Output Module	Isolated	Source Type	Ver.2
156	BL287PB-02FS-7CC20	ASLINKER	Output Module	Isolated	Source Type	Ver.2
157	BL287PB-02FS-CC20	ASLINKER	Output Module	Isolated	Source Type	Ver.1
158	BL287PB-02FS-CD220	ASLINKER	Output Module	Isolated	Source Type	Ver.2
159	BL287PB-02FS-CD720	ASLINKER	Output Module	Isolated	Source Type	Ver.2
160	BL287PB-02FS-CD820	ASLINKER	Output Module	Isolated	Source Type	Ver.2
161	BL287SB-02F-2D220	ASLINKER	Input Module	Isolated	Sink Type	Ver.1
162	BL287SB-02F-2D720	ASLINKER	Input Module	Isolated	Sink Type	Ver.1
163	BL287SB-02F-2D820	ASLINKER	Input Module	Isolated	Sink Type	Ver.1
164	BL287SB-02F-7CC20	ASLINKER	Input Module	Isolated	Sink Type	Ver.2
165	BL287SB-02F-CC20	ASLINKER	Input Module	Isolated	Sink Type	Ver.1
166	BL287SB-02F-CD220	ASLINKER	Input Module	Isolated	Sink Type	Ver.2
167	BL287SB-02F-CD720	ASLINKER	Input Module	Isolated	Sink Type	Ver.2
168	BL287SB-02F-CD820	ASLINKER	Input Module	Isolated	Sink Type	Ver.2

169	BL287SB-02FS-2D220	ASLINKER	Input Module	Isolated	Source Type	Ver.1
170	BL287SB-02FS-2D720	ASLINKER	Input Module	Isolated	Source Type	Ver.1
171	BL287SB-02FS-2D820	ASLINKER	Input Module	Isolated	Source Type	Ver.1
172	BL287SB-02FS-7CC20	ASLINKER	Input Module	Isolated	Source Type	Ver.2
173	BL287SB-02FS-CC20	ASLINKER	Input Module	Isolated	Source Type	Ver.1
174	BL287SB-02FS-CD220	ASLINKER	Input Module	Isolated	Source Type	Ver.2
175	BL287SB-02FS-CD720	ASLINKER	Input Module	Isolated	Source Type	Ver.2
176	BL287SB-02FS-CD820	ASLINKER	Input Module	Isolated	Source Type	Ver.2
177	BL287XB-02F-2D220	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.1
178	BL287XB-02F-2D620	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.2
179	BL287XB-02F-2D720	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.1
180	BL287XB-02F-2D820	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.1
181	BL287XB-02F-7CC20	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.1
182	BL287XB-02F-CC20	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.1
183	BL287XB-02F-CD220	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.1
184	BL287XB-02F-CD620	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.2
185	BL287XB-02F-CD720	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.2
186	BL287XB-02F-CD820	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.2
187	BL287XB-02FS-2D220	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.1
188	BL287XB-02FS-2D620	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.2
189	BL287XB-02FS-2D720	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.1
190	BL287XB-02FS-2D820	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.1
191	BL287XB-02FS-7CC20	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.2
192	BL287XB-02FS-CC20	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.1
193	BL287XB-02FS-CD220	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.1
194	BL287XB-02FS-CD620	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.2
195	BL287XB-02FS-CD720	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.2
196	BL287XB-02FS-CD820	ASLINKER	I/O Combined Module	Isolated	Source Type	Ver.2
197	BL296PB-04F-4A-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
198	BL296PB-04F-4B-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2
199	BL296PB-04FS-4A-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
200	BL296PB-04FS-4B-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
201	BL296PB-08F	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
202	BL296PB-08F-10-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2
203	BL296PB-08F-11	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1

204	BL296PB-08F-11-V50	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
205	BL296PB-08F-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
206	BL296PB-08F-3	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
207	BL296PB-08F-3-V50	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
208	BL296PB-08F-4-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
209	BL296PB-08F-4A-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2
210	BL296PB-08F-4E-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2
211	BL296PB-08F-9-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.2
212	BL296PB-08FS	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
213	BL296PB-08FS-10-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
214	BL296PB-08FS-11	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
215	BL296PB-08FS-11-V50	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
216	BL296PB-08FS-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
217	BL296PB-08FS-3	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
218	BL296PB-08FS-3-V50	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
219	BL296PB-08FS-4-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
220	BL296PB-08FS-4A-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
221	BL296PB-08FS-4E-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
222	BL296PB-08FS-9-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.2
223	BL296PB-08FS-V50	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
224	BL296PB-08F-V50	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
225	BL296PB-08RS	ASLINKTERMINAL	Output Module	Isolated	G2R-1-SN DC24V	Ver.1
226	BL296PB-08RSN	ASLINKTERMINAL	Output Module	Isolated	DriverOnly	Ver.1
227	BL296PB-08RSS	ASLINKTERMINAL	Output Module	Isolated	G3R-ODX02SN DC5-24	Ver.1
228	BL296PB-08RSS1	ASLINKTERMINAL	Output Module	Isolated	G3R-OA202SZN DC5-24	Ver.2
229	BL296PB-08RSS2	ASLINKTERMINAL	Output Module	Isolated	G3R-OA202SLN DC5-24	Ver.2
230	BL296PB-08RSS3	ASLINKTERMINAL	Output Module	Isolated	G3RZ-201SLN DC24	Ver.2
231	BL296PB-08RSS4	ASLINKTERMINAL	Output Module	Isolated	G3R-OD201SN DC5-24	Ver.2
232	BL296PB-16F-11-V50	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
233	BL296PB-16F-3-V50	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
234	BL296PB-16F-4A-20	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
235	BL296PB-16FS-11-V50	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
236	BL296PB-16FS-3-V50	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
237	BL296PB-16FS-4A-20	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
238	BL296PB-16FS-V50	ASLINKTERMINAL	Output Module	Isolated	Source Type	Ver.1
239	BL296PB-16F-V50	ASLINKTERMINAL	Output Module	Isolated	Sink Type	Ver.1
240	BL296SB-04F-4A-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1

241	BL296SB-04F-4B-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
242	BL296SB-04F-4PA-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
243	BL296SB-04FS-4A-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
244	BL296SB-04FS-4B-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.2
245	BL296SB-08F	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
246	BL296SB-08F-10-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
247	BL296SB-08F-11	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
248	BL296SB-08F-11-V50	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
249	BL296SB-08F-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
250	BL296SB-08F-3	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
251	BL296SB-08F-3-V50	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
252	BL296SB-08F-4-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
253	BL296SB-08F-4A-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
254	BL296SB-08F-4E-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
255	BL296SB-08F-4P-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
256	BL296SB-08F-4PA-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
257	BL296SB-08F-9-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
258	BL296SB-08FS	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
259	BL296SB-08FS-10-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.2
260	BL296SB-08FS-11	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
261	BL296SB-08FS-11-V50	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
262	BL296SB-08FS-20	ASLINKTERMINAL	Input Module	Isolated	Source Type	Ver.1
263	BL296SB-08FS-3	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
264	BL296SB-08FS-3-V50	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
265	BL296SB-08FS-4-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
266	BL296SB-08FS-4A-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.2
267	BL296SB-08FS-4E-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.2
268	BL296SB-08FS-9-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.2
269	BL296SB-08FS-V50	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
270	BL296SB-08F-V50	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
271	BL296SB-16F-11-V50	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
272	BL296SB-16F-3-V50	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
273	BL296SB-16F-4A-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
274	BL296SB-16F-4PA-20	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
275	BL296SB-16FS-11-V50	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
276	BL296SB-16FS-3-V50	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1

277	BL296SB-16FS-4A-20	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
278	BL296SB-16FS-V50	ASLINKTERMINAL	Input Module	Isolated	Source type	Ver.1
279	BL296SB-16F-V50	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.1
280	BL296XB-04F-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
281	BL296XB-04F-4B-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
282	BL296XB-04F-4PA-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
283	BL296XB-04FS-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
284	BL296XB-04FS-4B-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.2
285	BL296XB-08F	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
286	BL296XB-08F-10-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
287	BL296XB-08F-11	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
288	BL296XB-08F-11-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
289	BL296XB-08F-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
290	BL296XB-08F-3	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
291	BL296XB-08F-3-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
292	BL296XB-08F-4-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
293	BL296XB-08F-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
294	BL296XB-08F-4E-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
295	BL296XB-08F-4P-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
296	BL296XB-08F-4PA-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
297	BL296XB-08F-9-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
298	BL296XB-08FS	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
299	BL296XB-08FS-10-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.2
300	BL296XB-08FS-11	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
301	BL296XB-08FS-11-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
302	BL296XB-08FS-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
303	BL296XB-08FS-3	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
304	BL296XB-08FS-3-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
305	BL296XB-08FS-4-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
306	BL296XB-08FS-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.2
307	BL296XB-08FS-4E-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.2
308	BL296XB-08FS-9-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.2
309	BL296XB-08FS-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
310	BL296XB-08F-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1

311	BL296XB-08P-4-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
312	BL296XB-08P-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.2
313	BL296XB-16F-11-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
314	BL296XB-16F-3-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
315	BL296XB-16F-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
316	BL296XB-16F-4PA-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
317	BL296XB-16FS-11-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
318	BL296XB-16FS-3-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
319	BL296XB-16FS-4A-20	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
320	BL296XB-16FS-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Source Type	Ver.1
321	BL296XB-16F-V50	ASLINKTERMINAL	I/O Combined Module	Isolated	Sink Type	Ver.1
322	BL2EMSB-08F-B	ASLINKTERMINAL	Input Module	Isolated	Sink Type	Ver.2
323	BL2L87PB-02F-CC20	ASLINKER	Output Module	Isolated	Sink Type	Ver.2
324	BL2L87SB-02F-CC20	ASLINKER	Input Module	Isolated	Sink Type	Ver.2
325	BL2L87XB-02F-CC20	ASLINKER	I/O Combined Module	Isolated	Sink Type	Ver.2
326	BL2LN87SB-02D-CC20	ASLINKER	Input Module	Isolated	Sink Type	Ver.1
327	BL2LN87SB-02DS-CC20	ASLINKER	Input Module	Isolated	Source Type	Ver.1
328	BM-C27-DM9-3012-5050	ASLINKSENSOR	Input Module	non-Isolated	Cylinder Sensor	Ver.1
329	BM-C27-DM9-50-5050	ASLINKSENSOR	Input Module	non-Isolated	Cylinder Sensor	Ver.1
330	BM-K1117G-M04-1K	ASLINKSENSOR	Input Module	non-Isolated	M4 amplifier relay type	Ver.1
331	BM-K1117G-M04-3012	ASLINKSENSOR	Input Module	non-Isolated	M4 amplifier relay M12CN type	Ver.1
332	BM-K1117G-M05-1K	ASLINKSENSOR	Input Module	non-Isolated	M5 amplifier relay type	Ver.1
333	BM-K1117G-M05-3012	ASLINKSENSOR	Input Module	non-Isolated	M5 amplifier relay M12CN type	Ver.1
334	BM-K1117G-S04-1K	ASLINKSENSOR	Input Module	non-Isolated	d4 amplifier relay type	Ver.1
335	BM-K1117G-S04-3012	ASLINKSENSOR	Input Module	non-Isolated	d4 amplifier relay M12CN type	Ver.1
336	BM-K1117G-S05-1K	ASLINKSENSOR	Input Module	non-Isolated	d5.4 amplifier relay type	Ver.1
337	BM-K1117G-S05-3012	ASLINKSENSOR	Input Module	non-Isolated	d5.4 amplifier relay M12CN type	Ver.1
338	BS-H0117-1KC	ASLINKSENSOR	Input Module	non-Isolated	Separate Type(Receiver)	Ver.2
339	BS-H0117-1KP	ASLINKSENSOR	Output Module	non-Isolated	Separate Type (Light source)	Ver.2
340	BS-H0117-30C12	ASLINKSENSOR	Input Module	non-Isolated	Separate Type(Receiver)	Ver.2
341	BS-H0117-30P12	ASLINKSENSOR	Output Module	non-Isolated	Separate Type (Light source)	Ver.2
342	BS-H0117G-1KC	ASLINKSENSOR	Input Module	non-Isolated	Separate Type(Receiver)	Ver.2
343	BS-H0117G-1KP	ASLINKSENSOR	Output Module	non-Isolated	Separate Type (Light source)	Ver.2
344	BS-H0217-1K	ASLINKSENSOR	Input Module	non-Isolated	Retroreflective type	Ver.2
345	BS-H0217-3012	ASLINKSENSOR	Input Module	non-Isolated	Retroreflective type	Ver.2

346	BS-H0217G-1K	ASLINKSENSOR	Input Module	non-Isolated	Retroreflective type	Ver.2
347	BS-H0317-1K	ASLINKSENSOR	Input Module	non-Isolated	Diffuse reflection type	Ver.2
348	BS-H0317-3012	ASLINKSENSOR	Input Module	non-Isolated	Diffuse reflection type	Ver.2
349	BS-H0317G-1K	ASLINKSENSOR	Input Module	non-Isolated	Diffuse reflection type	Ver.2
350	BS-K1117C-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	M12 chemical resistant type	Ver.1
351	BS-K1117C-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	M12 Chemical resistant type	Ver.1
352	BS-K1117C-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	M18 chemical resistant type	Ver.1
353	BS-K1117C-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	M18 Chemical resistant type	Ver.1
354	BS-K1117C-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	M30 chemical resistant type	Ver.1
355	BS-K1117C-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	M30 Chemical resistant type	Ver.1
356	BS-K1117-M08-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M8 shield type	Ver.1
357	BS-K1117-M08-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M8 shield type	Ver.1
358	BS-K1117-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M12 shield type	Ver.1
359	BS-K1117-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M12 shield type	Ver.1
360	BS-K1117-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M18 shield type	Ver.1
361	BS-K1117-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M18 shield type	Ver.1
362	BS-K1117-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M30 shield type	Ver.1
363	BS-K1117-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M30 shield type	Ver.1
364	BS-K1117M-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	M12 full stainless body type	Ver.1
365	BS-K1117M-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	M12 full stainless body type	Ver.1
366	BS-K1117M-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	M18 full stainless body type	Ver.1
367	BS-K1117M-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	M18 full stainless body type	Ver.1
368	BS-K1117M-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	M30 full stainless body type	Ver.1
369	BS-K1117M-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	M30 full stainless body type	Ver.1
370	BS-K1117S-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	M12 spattering resistance type	Ver.1
371	BS-K1117S-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	M12 spattering resistance type	Ver.1
372	BS-K1117S-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	M18 spattering resistance type	Ver.1
373	BS-K1117S-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	M18 spattering resistance type	Ver.1
374	BS-K1117S-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	M30 spattering resistance type	Ver.1
375	BS-K1117S-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	M30 spattering resistance type	Ver.1
376	BS-K1118-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M12 IP68 type	Ver.1
377	BS-K1118-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	M12 IP68 M12CN type	Ver.1
378	BS-K1118-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M18 IP68 type	Ver.1
379	BS-K1118-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	M18 IP68 M12CN type	Ver.1

380	BS-K1118-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity Sensor M30 IP68 type	Ver.1
381	BS-K1118-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	M30 IP68 M12CN type	Ver.1
382	BS-K1217-M08-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity M08 non-shield type	Ver.1
383	BS-K1217-M08-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity M08 non-shield type	Ver.1
384	BS-K1217-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity M12 non-shield type	Ver.1
385	BS-K1217-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity M12 non-shield type	Ver.1
386	BS-K1217-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity M18 non-shield type	Ver.1
387	BS-K1217-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity M18 non-shield type	Ver.1
388	BS-K1217-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	Proximity M30 non-shield type	Ver.1
389	BS-K1217-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	Proximity M30 non-shield type	Ver.1
390	BS-K1217-T42A-V1K	ASLINKSENSOR	Input Module	non-Isolated	Flat type	Ver.2
391	BS-K1217-T42A-V3012	ASLINKSENSOR	Input Module	non-Isolated	Flat M12CN type	Ver.2
392	BS-K4117-M12-1K	ASLINKSENSOR	Input Module	non-Isolated	M12 allmetal detect	Ver.1
393	BS-K4117-M12-3012	ASLINKSENSOR	Input Module	non-Isolated	M12 allmetal detect M12CN type	Ver.1
394	BS-K4117-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	M18 allmetal detect	Ver.1
395	BS-K4117-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	M18 allmetal detect M12CN type	Ver.1
396	BS-K4117-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	M30 allmetal detect	Ver.1
397	BS-K4117-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	M30 allmetal detect M12CN type	Ver.1
398	BS-K5217-M18-1K	ASLINKSENSOR	Input Module	non-Isolated	M18 Capacitive	Ver.1
399	BS-K5217-M18-3012	ASLINKSENSOR	Input Module	non-Isolated	M18 Capacitive M12CN type	Ver.1
400	BS-K5217-M30-1K	ASLINKSENSOR	Input Module	non-Isolated	M30 Capacitive	Ver.1
401	BS-K5217-M30-3012	ASLINKSENSOR	Input Module	non-Isolated	M30 Capacitive M12CN type	Ver.1
402	BS-L0117-1KC	ASLINKSENSOR	Input Module	non-Isolated	LaserSensor (Through-beam)	Ver.2
403	BS-L0117-1KP	ASLINKSENSOR	Output Module	non-Isolated	LaserSensor (Through-beam)	Ver.2
404	BS-L0217-1K	ASLINKSENSOR	Input Module	non-Isolated	LaserSensor (Retroreflectivetype)	Ver.2
405	LA-A12W	ASLINKAMP	Input Module	non-Isolated	Analog input	Ver.1
406	LA-A1AW	ASLINKAMP	Input Module	Isolated	Analog input	Ver.2
407	LA-DA12W	ASLINKAMP	Output Module	non-Isolated	Analog Output	Ver.1
408	LA-DA1AW	ASLINKAMP	Output Module	Isolated	Analog Output	Ver.1
409	LA-DV12W	ASLINKAMP	Output Module	non-Isolated	Analog Output	Ver.1
410	LA-DV1AW	ASLINKAMP	Output Module	Isolated	Analog Output	Ver.1
411	LA-F1011	ASLINKAMP	Input Module	Isolated	Fiber Sensor Amplifier	Ver.1
412	LAL-R10W	ASLINKAMP	Input Unit	Isolated	Temperature Input Unit	Ver.2
413	LB-A12W	ASLINKAMP	Input Module	non-Isolated	Analog input	Ver.1
414	LB-A1AW	ASLINKAMP	Input Module	Isolated	Analog input	Ver.2
415	LB-DA12W	ASLINKAMP	Output Module	non-Isolated	Analog Output	Ver.1
416	LB-DA1AW	ASLINKAMP	Output Module	Isolated	Analog Output	Ver.1

417	LB-DV12W	ASLINKAMP	Output Module	non-Isolated	Analog Output	Ver.1
418	LB-DV1AW	ASLINKAMP	Output Module	Isolated	Analog Output	Ver.1
419	LB-F1011	ASLINKAMP	Input Module	Isolated	Fiber Sensor Amplifier	Ver.1
420	LBL-R10W	ASLINKAMP	Input Unit	Isolated	Temperature Input Unit	Ver.2
421	LSL-H011-1KC	ASLINKSENSOR	Input Module	Isolated	Separate Type (Receiver)	Ver.2
422	LSL-H011-1KP	ASLINKSENSOR	Output Module	Isolated	Separate Type (Light source)	Ver.2
423	LSL-H021-1K	ASLINKSENSOR	Input Module	Isolated	Retroreflective type	Ver.2
424	LSL-H031-1K	ASLINKSENSOR	Input Module	Isolated	Diffuse reflection type	Ver.2