

Mitsubishi Servo Amplifier
MELSERVO-J4 Series
MR-J4-B

Sample Screen Manual

Mitsubishi Electric Corporation

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REVISIONS

Sample Screen Manual

Date	Control No.*	Description
2015/11	BCN-P5999-0620	First edition
2016/1	BCN-P5999-0620-1a	Project data improved
2016/5	BCN-P5999-0620-2	Drive Recorder supported, Project data improved
2016/8	BCN-P5999-0620-3	Alarm History, Machine Diagnosis (Graph), Power Monitor adopted
2016/10	BCN-P5999-0620-4	Axis switching supported, screen transition modified

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

Project Data

Date	Project Data	GT Designer3*	Description
2015/11	MITSUBISHI_MR-J4-B_V_Ver1_E.GTX	1.144A	First edition
2016/1	MITSUBISHI_MR-J4-B_V_Ver1a_E.GTX	1.144A	Incorrect description on the screen has been revised.
2016/5	MITSUBISHI_MR-J4-B_V_Ver2_E.GTX	1.155M	Drive Recorder supported, Data format corrected.
2016/8	MITSUBISHI_MR-J4-B_V_Ver3_E.GTX	1.155M	Alarm History, Machine Diagnosis (Graph), Power Monitor adopted
2016/10	MITSUBISHI_MR-J4-B_V_Ver4_E.GTX	1.165X	Axis switching supported, screen transition modified

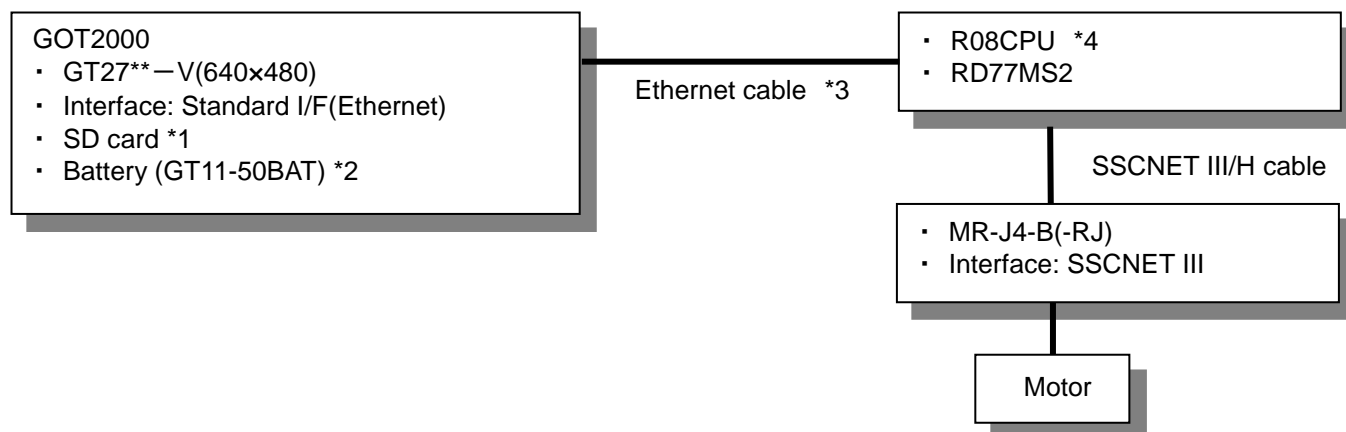
* The version number of screen design software used to create the project data is listed. Please use the screen design software with the listed version or later versions.

1. OUTLINE

This manual explains sample screens of GOT2000 that have the system configuration in which the GOT is connected to a MELSEC iQ-R Series PLC in Ethernet connection and the PLC is connected to a MELSERVO-J4 Series (MR-J4-B) servo amplifier in SSCNET III/H communication with a simple motion module being connected therebetween. The sample screen can be used for changing parameters, monitoring, and performing test operations.

The sample screen covers a case in which a motion controller is used instead of the simple motion module as a device. For the details on how to change the device setting, please refer to "7.1 Settings for Using Motion Controllers".

2. SYSTEM CONFIGURATION



*1:SD card is used for the logging function, recipe function, and document display function.

*2:Battery is used to backup the clock data, and the alarm data and logging data stored in the SRAM user area in case of power failures. (The battery is included in the GOT as standard.)

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

*4: The sample screen covers a system configuration in which a MELSEC-Q Series PLC is used instead of the MELSEC iQ-R Series PLC as a controller. For the details on how to change the controller setting, please refer to "7.2 Settings for Using MELSEC-Q Series PLCs".

3. GOT

3.1 System Applications that are Automatically Selected

Type	System application name	
Standard Function	Standard System Application	
	Standard Font	Japanese
Communication Driver	Ethernet Connection	Ethernet(MELSEC), Q17nNC, CRnD-700, Gateway
Extended Function	Standard Font	Chinese (Simplified)
	Outline Font	Alphanumeric/Kana
		Japanese Kanji
		Chinese (Simplified) Kanji
	Device Data Transfer	
	Drive Recorder	
	Document Display	

3.2 Controller Settings of Screen Design Software

Item	Set value	Remarks
GOT NET No.	1	
GOT Station	2	
GOT Standard Ethernet Setting	Refer to table below	
GOT Communication Port No.	5001	
Retry (Times)	3	
Startup Time (Sec)	3	
Timeout Time (Sec)	3	
Delay Time (ms)	0	
Servo axis switching device first No.	60400	

GOT Standard Ethernet Setting

Item	Set value	Remarks
Reflect the GOT standard Ethernet setting in the GOT	Checked	
GOT IP Address	192.168.3.18	
Subnet Mask	255.255.255.0	
Default Gateway	0.0.0.0	
Peripheral S/W Communication Port No.	5015	
Transparent Port No.	5014	
Reflect GOT extended Ethernet setting in the GOT	Without setting	

3.3 Ethernet Settings of Screen Design Software

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

3.4 Overlap Window/Superimpose Window Settings of Screen Design Software

To close window screens when switching base screens, we have enabled [Close the window when switching base screens] in [Detail Setting] for the overlap window and superimpose window in [Screen Switching/Window Setting].

4. SERVO AMPLIFIER

4.1 Servo Amplifier Parameter Setting

The table below shows the set values used in our verification test.

Item	Set value	Remarks
Function selection A-1	2100	EM1 and EM2 are not used.
Parameter block	00AB	All parameters allowed to be read/written
Others	Initial value	

5. SCREEN SPECIFICATIONS

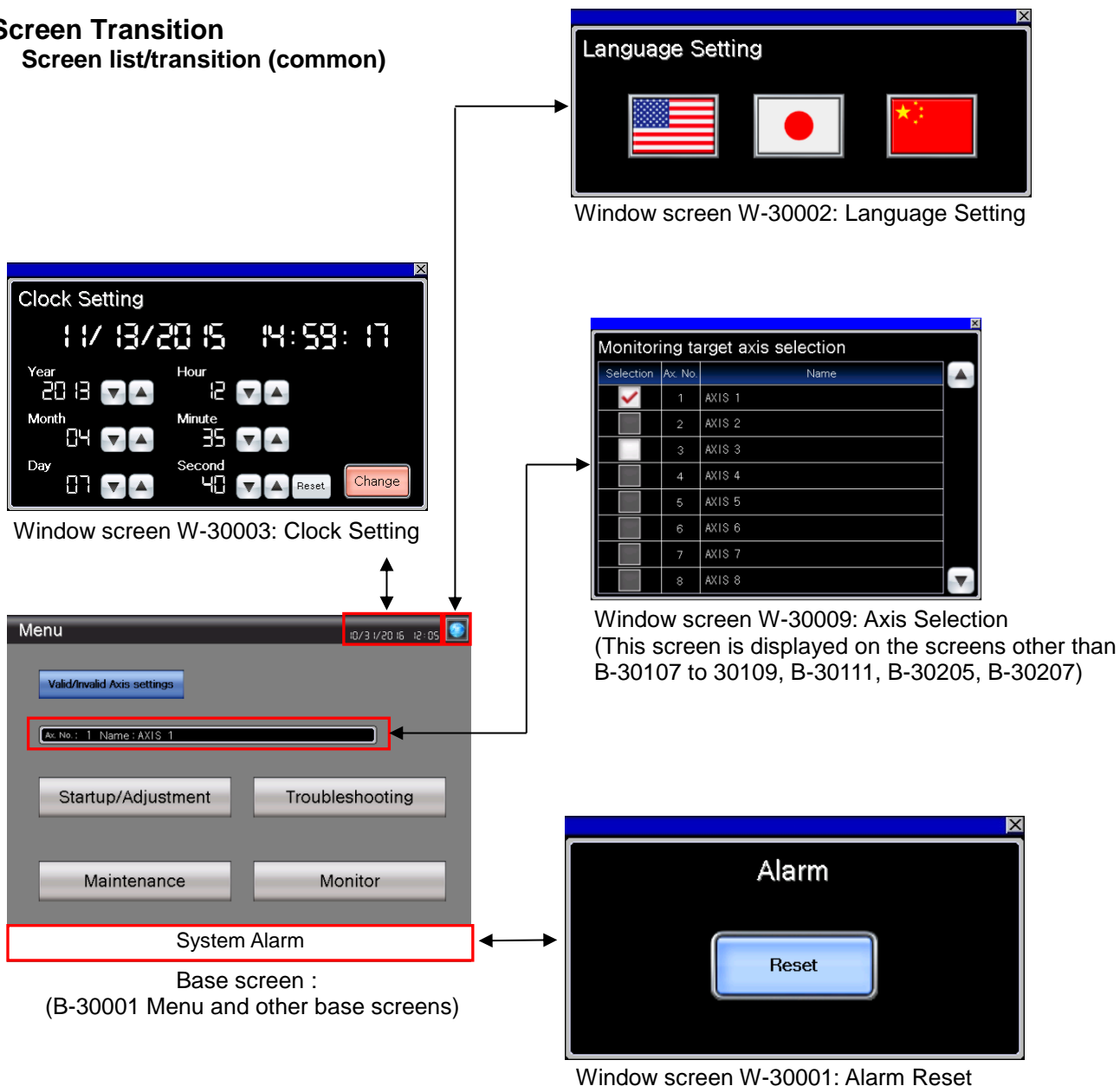
5.1 Display Language

The language of the text displayed on the screen can be switched between Japanese, English, and Chinese (Simplified). The texts in three languages are registered in the columns No.1 to No.3 respectively in the comment groups No. 498 to No.500 as shown below. When the column No. is stored in the language switching device, the text in the language corresponding to the column No. will be displayed.

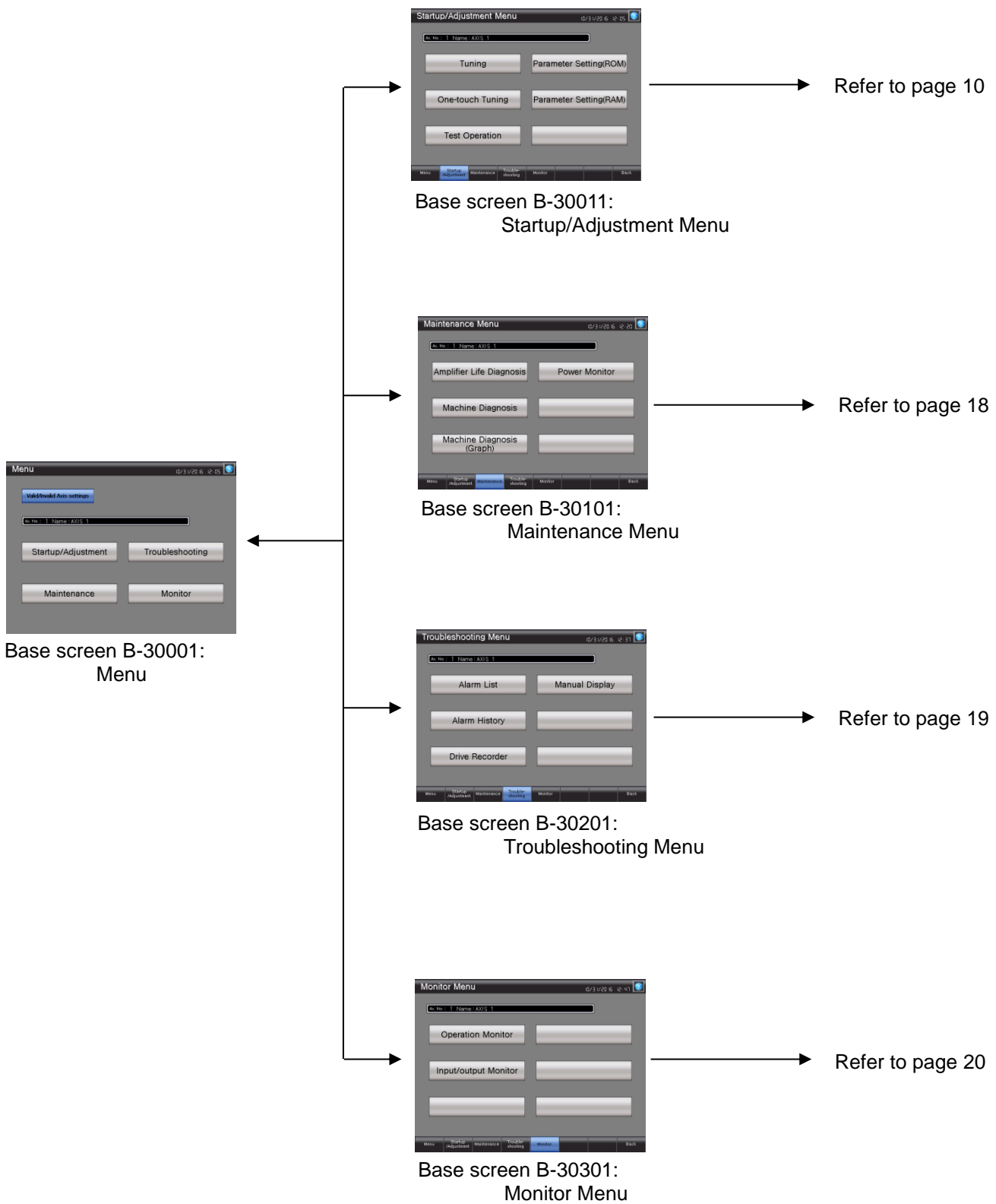
Column No.	Language
1	English
2	Japanese
3	Chinese (Simplified)

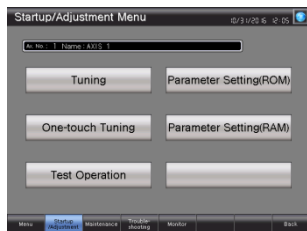
5.2 Screen Transition

5.2.1 Screen list/transition (common)

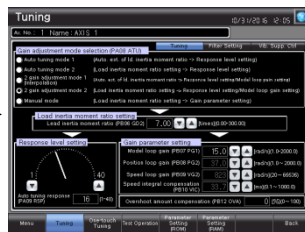


5.2.2 Screen list/transition (individual)

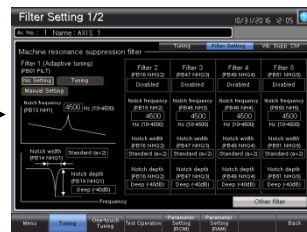




Base screen B-30011:
Startup/Adjustment Menu

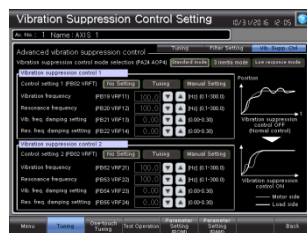


Base screen B-30013:
Tuning

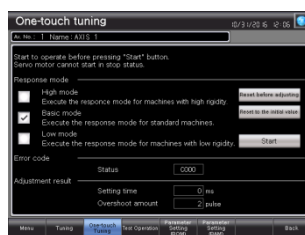


Base screen B-30015 to 30016:
Filter Setting

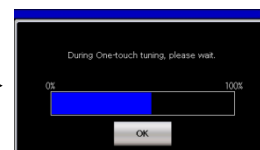
Refer to page 12



Base screen B-30017:
Vibration Suppression Control



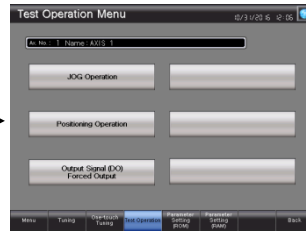
Base screen B-30019:
One-Touch Tuning



Window screen W-30013:
One-Touch Tuning Progress

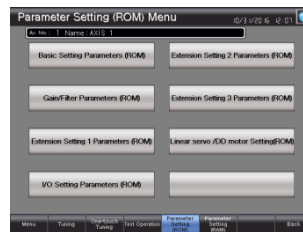
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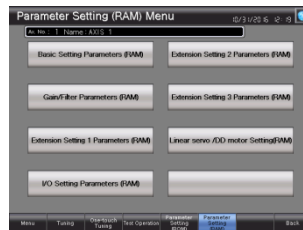
Refer to page 13

Base screen B-30021:
Test Operation Menu



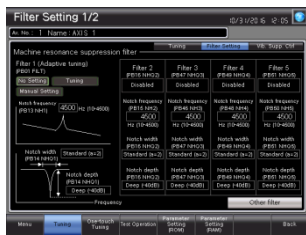
Refer to page 14

Base screen B-30041:
Parameter Setting (ROM) Menu

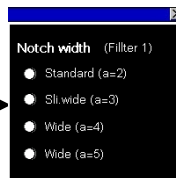


Refer to page 16

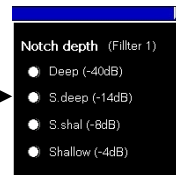
Base screen B-30071:
Parameter Setting (RAM) Menu



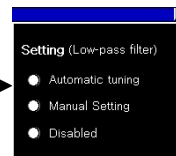
Base screen B-30015 to 30016:
Filter Setting



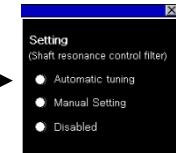
Window screen W-30020,W-30022,W-30024,W-30026,W-30028:
Filter 1 to 5 Notch Width



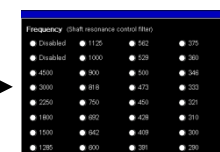
Window screen W-30021,W-30023,W-30025,W-30027,W-30029:
Filter 1 to 5 Notch Depth



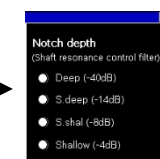
Window screen W-30030: Low-pass Filter Setting



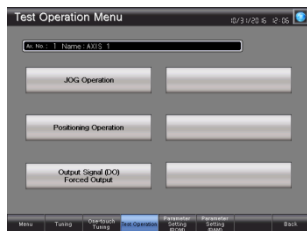
Window screen W-30031:
Shaft Res.Ctrl.Filter Setting



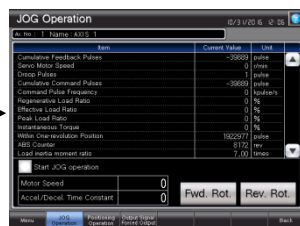
Window screen W-30032:
Shaft Res.Ctrl.Filter Frequency



Window screen W-30033:
Shaft Res.Ctrl.Filter NotchDepth



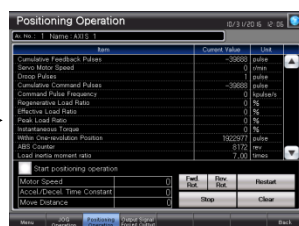
Base screen B-30021:
Test Operation Menu



Base screen B-30023:
JOG Operation

Cumulative Feedback Pulses	1234567890	pulses
Servo Motor Speed	123456	r/min
Output Pulses	1234567890	pulses
Cumulative Command Pulses	1234567890	pulses
Command Pulse Frequency	123456	Hz
Regenerative Load Ratio	123456	%
Effective Load Ratio	123456	%
Peak Load Ratio	123456	%
Instantaneous Torque	123456	Nm
Motor Over-rotation Position	1234567890	pulses
ABS Counter	123456	Hz
Load inertia moment ratio	123.45	times

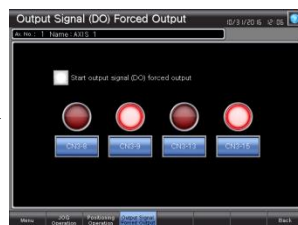
Superimpose window
W-30101 to 30102:
Status Display



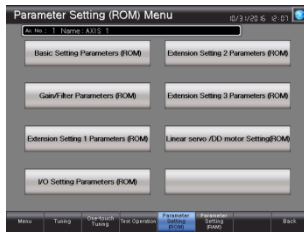
Base screen B-30025:
Positioning Operation

Cumulative Feedback Pulses	1234567890	pulses
Servo Motor Speed	123456	r/min
Output Pulses	1234567890	pulses
Cumulative Command Pulses	1234567890	pulses
Command Pulse Frequency	123456	Hz
Regenerative Load Ratio	123456	%
Effective Load Ratio	123456	%
Peak Load Ratio	123456	%
Instantaneous Torque	123456	Nm
Motor Over-rotation Position	1234567890	pulses
ABS Counter	123456	Hz
Load inertia moment ratio	123.45	times

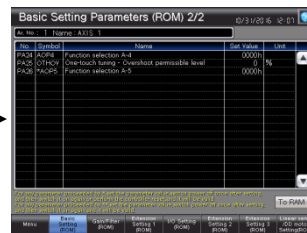
Superimpose window
W-30101 to 30102:
Status Display



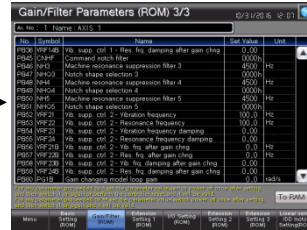
Base screen B-30029:
Output Signal (DO) Forced Output



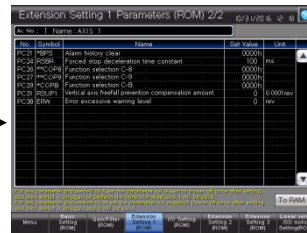
Base screen B-30041:
Parameter Setting (ROM) Menu



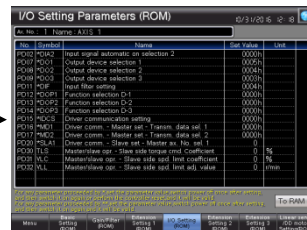
Base screen B-30043 to 30044:
Basic Setting Parameters (ROM)



Base screen B-30046 to 30048:
Gain/Filter Parameters (ROM)



Base screen B-30049 to 30050:
Extension Setting 1 Parameters (ROM)



Base screen B-30052:
I/O Setting Parameters (ROM)

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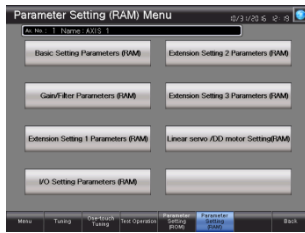
Base screen B-30055 to

D 00050

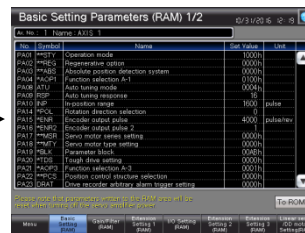
Base screen B-30058:

B **B 00004**

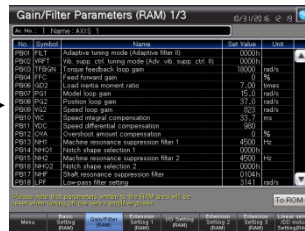
Base screen B-30061:



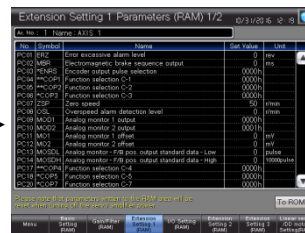
Base screen B-30071:
Parameter Setting (RAM) Menu



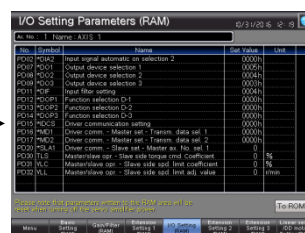
Base screen B-30073 to 30074:
Basic Setting Parameters (RAM)



Base screen B-30076 to 30078:
Gain/Filter Parameters (RAM)

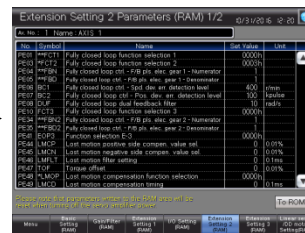


Base screen B-30079 to 30080:
Extension Setting 1 Parameters (RAM)

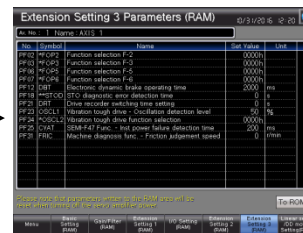


Base screen B-30082:
I/O Setting Parameters (RAM)

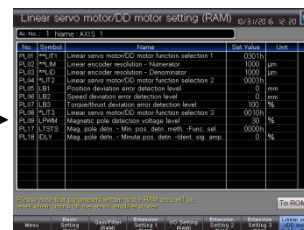
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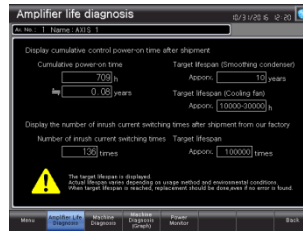
Base screen B-30085 to 30086:
Extension Setting 2 Parameters (RAM)



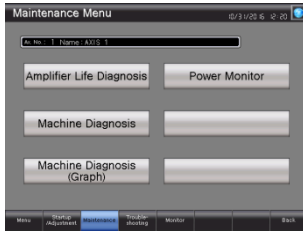
Base screen B-30088:
Extension Setting 3 Parameters (RAM)



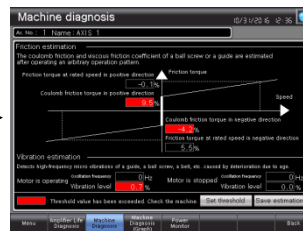
Base screen B-30091:
Linear Servo Motor/DD (RAM)



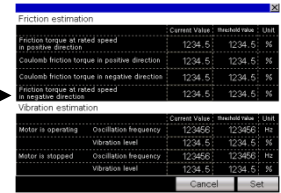
Base screen B-30103:
Amplifier Life Diagnosis



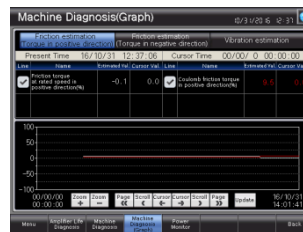
Base screen B-30101:
Maintenance Menu



Base screen B-30105:
Machine Diagnosis



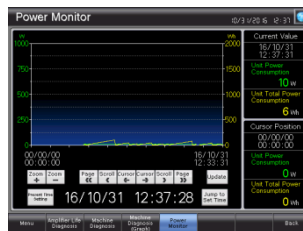
Window screen W-30015:
Threshold Value Setting



Base screen B-30107 to 30109:
Machine Diagnosis(Graph)



Window screen W-30017:
Estimated Value Saving



Base screen B-30111:
Power Monitor



Base screen B-30201:
Troubleshooting Menu

Alarm No.	Alarm Contents	Occurrence Times
1	Encoder Initial Com. Error 1	707
2	Encoder Initial Com. Error 1	707
3	Encoder Initial Com. Error 1	707
4	Encoder Initial Com. Error 1	661
5	Encoder Initial Com. Error 1	665
6	Encoder Initial Com. Error 1	665
7	Encoder Initial Com. Error 1	665
8	No Alarms	0

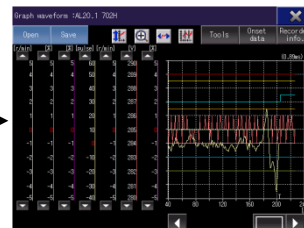
Base screen B-30203:
Alarm List

Item	Current Value	Unit
Cumulative Feedback Pulses	1234567890	Pulse
Servo Motor Speed	123456	mm/s
Drop Pulses	1234567890	Pulse
Cumulative Command Pulses	1234567890	Pulse
Command Pulse Frequency	123456	Hz
Regenerative Load Ratio	123456	%
Effective Load Ratio	123456	%
Peak Load Ratio	123456	%
Instantaneous Torque	123456	%
Widder One-revolution Position	1234567890	Pulse
ABS Counter	123456	mm
Load to Motor Inertia Ratio	1234.00	Multiplexer

Window screen W-30011 to 30012:
Alarm Occurrence Status

Occurred	Alarm Contents	Occurrence Times
11/01/28 09:29	16.3 Encoder Initial Com. Error 1	707
11/01/28 11:42	16.3 Encoder Initial Com. Error 1	707
11/01/28 11:42	20.1 Encoder Normal Com. Error 1	707
11/01/28 07:51	16.3 Encoder Initial Com. Error 1	661
01/06/00 02:27	20.3 Encoder Normal Com. Error 1	665
01/05/00 08:57	20.1 Encoder Normal Com. Error 1	665
01/05/00 07:09	20.1 Encoder Normal Com. Error 1	665
01/10/00 16:27	16.3 Encoder Initial Com. Error 1	665
01/10/00 07:40	20.1 Encoder Normal Com. Error 1	665
01/10/00 07:38	10.2 Undervoltage	665
01/10/00 07:36	10.2 Undervoltage	665
01/10/00 07:27	20.1 Encoder Normal Com. Error 1	665

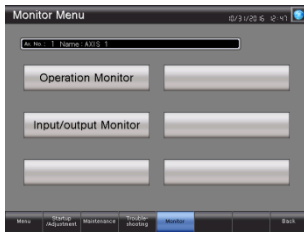
Base screen B-30205:
Alarm History



Extended Function:
Drive Recorder

Item	Current Value	Unit
1. TROUBLESHOOTING FOR SERVO AMPLIFIER (DRIVE UNIT)		
1.1. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.1. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.2. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.3. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.4. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.5. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.6. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.7. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.8. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.9. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.10. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.11. Troubleshooting for Servo Amplifier (Drive Unit)		
1.1.12. Troubleshooting for Servo Amplifier (Drive Unit)		
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1.1.100. Troubleshooting for Servo Amplifier (Drive Unit)		

Base screen B-30207:
Manual Display



Base screen B-30301:
Monitor Menu

Item	Current Value	Unit
Cumulative Feedback Pulses	734074	pulse
Service Motor Speed	0	mm
Crash Pulses	0	mm
Cumulative Command Pulses	734074	pulse
Command Pulse Frequency	0	Hz
Regenerative Load Ratio	0	%
Effective Load Ratio	0	%
Peak Load Ratio	0	%
Instantaneous Torque	0	Nm
Motor Overhaul Position	411719	pulse
ABS Counter	5189	rev
Load side encoder info	7	mm
Bus Voltage	294	V
Load side encoder cumulative F/B pulses	0	pulse
Load side encoder information 1	411719	pulse
Load side encoder information 2	834	mm
Service motor temperature	5999	°C
Internal Temperature of Encoder	62	°C

Base screen B-30303 to 30304:
Operation Monitor

Input/output Monitor 07/31/2016 12:41

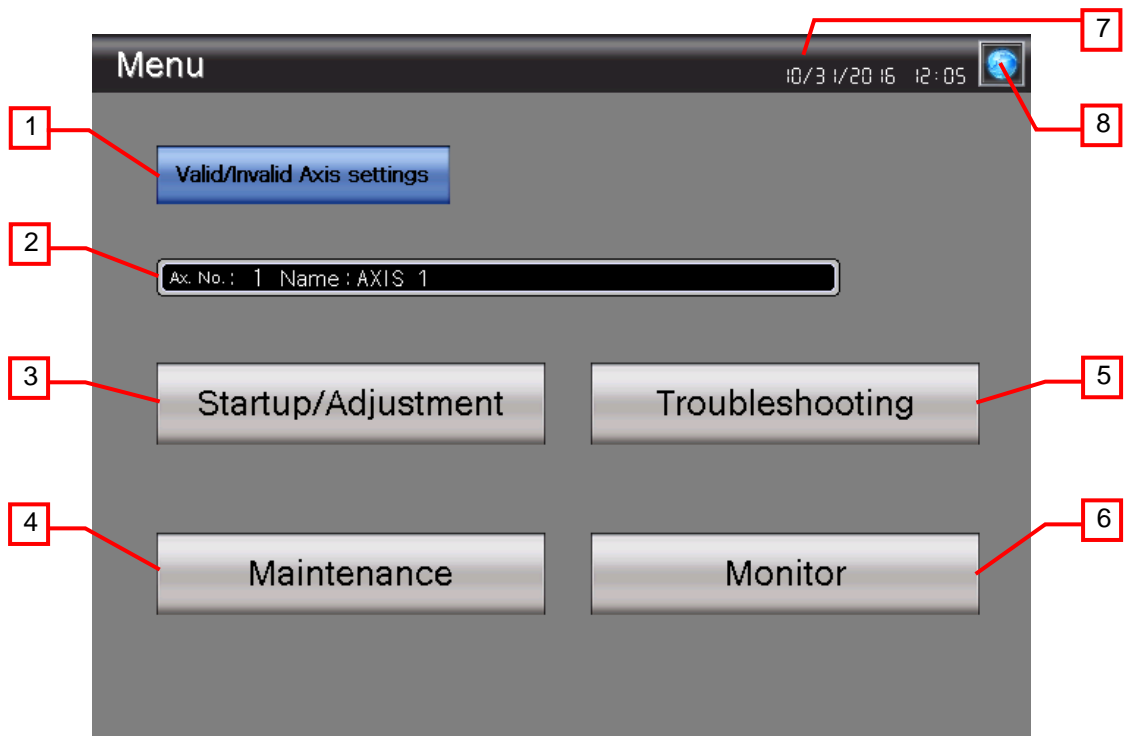
No. 1 Name: AXIS 1

Input Device Status		Output Device Status	
CHG-2	CHG-19	CHG-13	CHG-19
CHG-1	CHG-20	CHG-14	CHG-20
CHG-10		CHG-15	CHG-21
CHG-11	ENG	CHG-16	
CHG-12	ENG2	CHG-17	
CHG-13	SA	CHG-18	
CHG-14	SP	CHG-19	
CHG-15	CP	CHG-20	
CHG-16	CPD	CHG-21	
CHG-17	GLD	CHG-22	
CHG-18	UNSP	CHG-23	
CHG-19	FLS	CHG-24	
CHG-20	CHG-2	CHG-25	
CHG-21	CHG-3	CHG-26	
CHG-22	CHG-4	CHG-27	
CHG-23	CHG-5	CHG-28	
CHG-24	CHG-6	CHG-29	
CHG-25	CHG-7	CHG-30	
CHG-26	CHG-8	CHG-31	
CHG-27	CHG-9	CHG-32	
CHG-28	CHG-10	CHG-33	
CHG-29	CHG-11	CHG-34	
CHG-30	CHG-12	CHG-35	
CHG-31	CHG-13	CHG-36	
CHG-32	CHG-14	CHG-37	
CHG-33	CHG-15	CHG-38	
CHG-34	CHG-16	CHG-39	
CHG-35	CHG-17	CHG-40	
CHG-36	CHG-18	CHG-41	
CHG-37	CHG-19	CHG-42	
CHG-38	CHG-20	CHG-43	
CHG-39	CHG-21	CHG-44	
CHG-40	CHG-22	CHG-45	
CHG-41	CHG-23	CHG-46	
CHG-42	CHG-24	CHG-47	
CHG-43	CHG-25	CHG-48	
CHG-44	CHG-26	CHG-49	
CHG-45	CHG-27	CHG-50	
CHG-46	CHG-28	CHG-51	
CHG-47	CHG-29	CHG-52	
CHG-48	CHG-30	CHG-53	
CHG-49	CHG-31	CHG-54	
CHG-50	CHG-32	CHG-55	
CHG-51	CHG-33	CHG-56	
CHG-52	CHG-34	CHG-57	
CHG-53	CHG-35	CHG-58	
CHG-54	CHG-36	CHG-59	
CHG-55	CHG-37	CHG-60	
CHG-56	CHG-38	CHG-61	
CHG-57	CHG-39	CHG-62	
CHG-58	CHG-40	CHG-63	
CHG-59	CHG-41	CHG-64	
CHG-60	CHG-42	CHG-65	
CHG-61	CHG-43	CHG-66	
CHG-62	CHG-44	CHG-67	
CHG-63	CHG-45	CHG-68	
CHG-64	CHG-46	CHG-69	
CHG-65	CHG-47	CHG-70	
CHG-66	CHG-48	CHG-71	
CHG-67	CHG-49	CHG-72	
CHG-68	CHG-50	CHG-73	
CHG-69	CHG-51	CHG-74	
CHG-70	CHG-52	CHG-75	
CHG-71	CHG-53	CHG-76	
CHG-72	CHG-54	CHG-77	
CHG-73	CHG-55	CHG-78	
CHG-74	CHG-56	CHG-79	
CHG-75	CHG-57	CHG-80	
CHG-76	CHG-58	CHG-81	
CHG-77	CHG-59	CHG-82	
CHG-78	CHG-60	CHG-83	
CHG-79	CHG-61	CHG-84	
CHG-80	CHG-62	CHG-85	
CHG-81	CHG-63	CHG-86	
CHG-82	CHG-64	CHG-87	
CHG-83	CHG-65	CHG-88	
CHG-84	CHG-66	CHG-89	
CHG-85	CHG-67	CHG-90	
CHG-86	CHG-68	CHG-91	
CHG-87	CHG-69	CHG-92	
CHG-88	CHG-70	CHG-93	
CHG-89	CHG-71	CHG-94	
CHG-90	CHG-72	CHG-95	
CHG-91	CHG-73	CHG-96	
CHG-92	CHG-74	CHG-97	
CHG-93	CHG-75	CHG-98	
CHG-94	CHG-76	CHG-99	
CHG-95	CHG-77	CHG-100	
CHG-96	CHG-78		
CHG-97	CHG-79		
CHG-98	CHG-80		
CHG-99	CHG-81		
CHG-100	CHG-82		

Menu Operation Monitor **Input/output Monitor** Back

5.3 Screen Specifications

5.3.1 Menu (B-30001)



Outline

This screen shows the menu.

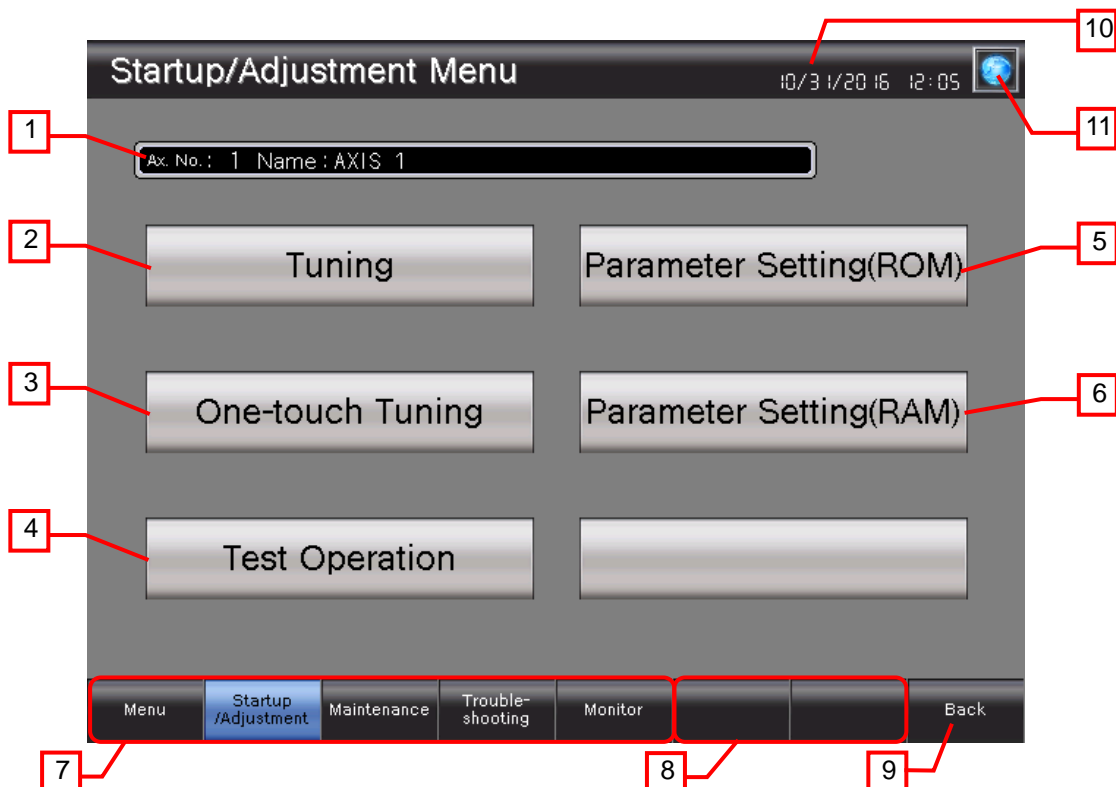
Description

1. Displays the [Valid/Invalid Axis settings] window.
2. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
3. Switches to the [Startup/Adjustment Menu] screen.
4. Switches to the [Maintenance Menu] screen.
5. Switches to the [Troubleshooting Menu] screen.
6. Switches to the [Monitor Menu] screen.
7. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- Axis No. 1 is enabled as default. To apply the axis switching, enable an axis you use and set a name of the axis in the [Valid/Invalid Axis settings] window.
- At the GOT startup, the project script works to set the axis No. to "1". In addition, the project script initializes the axis name offset value and the initial selected state of the one-touch tuning and retrieves the valid/invalid axis settings from the recipe. For the details on the recipe function and script, please refer to "5.6 Recipe List" and "5.8 Script List", respectively.
- The recipe function and screen script are used to execute the valid/invalid axis settings. For the details on the recipe function and script, please refer to "5.6 Recipe List" and "5.8 Script List", respectively.
- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.2 Startup/Adjustment Menu (B-30011)



Outline

This screen shows the menu for startup/adjustment.

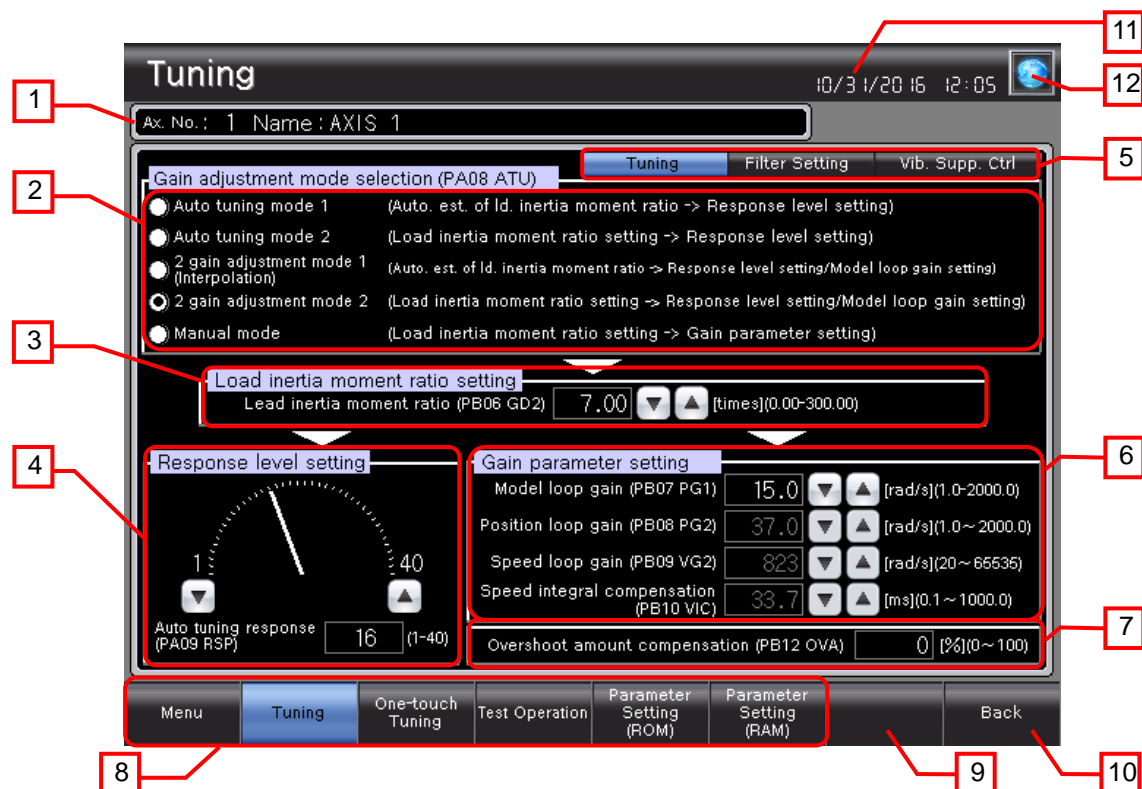
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [Tuning] screen.
3. Switches to the [One touch tuning] screen.
4. Switches to the [Test Operation Menu] screen.
5. Switches to the [Parameter Setting (ROM) Menu] screen.
6. Switches to the [Parameter Setting (RAM) Menu] screen.
7. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
8. Indicates unused switches for base screen switching.
9. Switches to the previously opened screen.
10. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
11. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.3 Tuning (B-30013)



Outline

This screen is used to set the parameter required for gain adjustment.

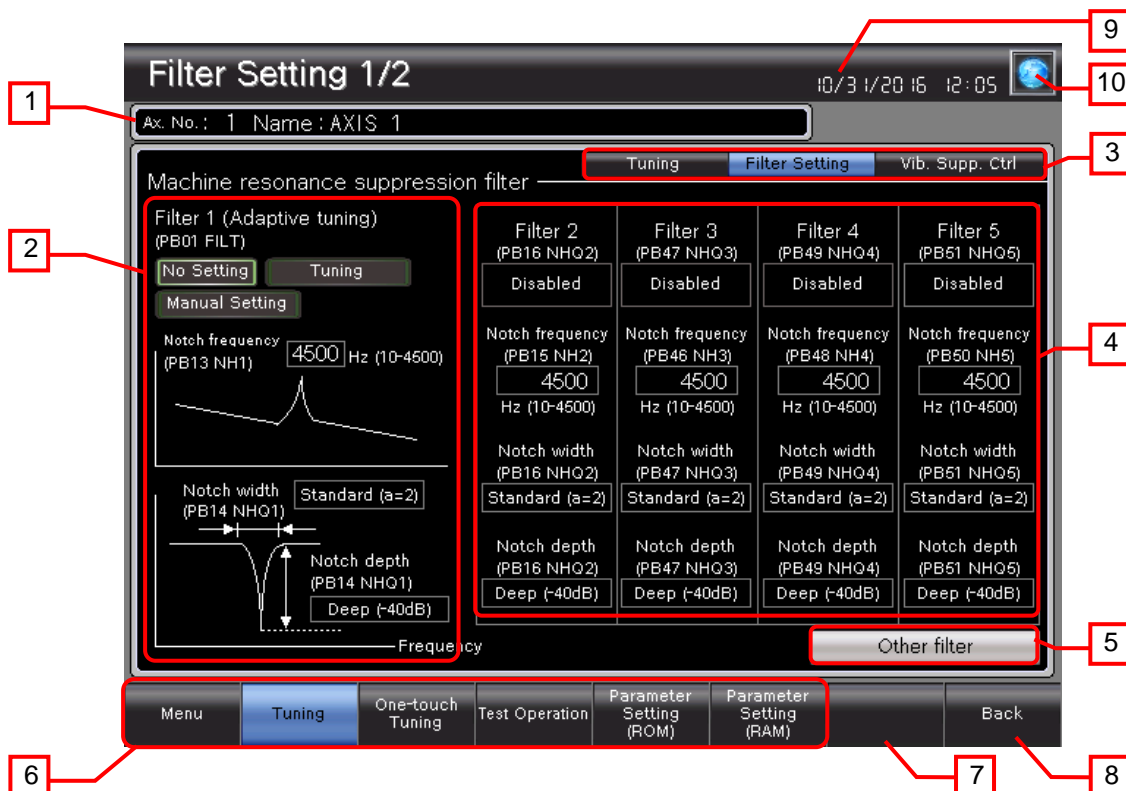
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Set the load inertia moment ratio.
3. Set the auto tuning response.
4. Set the gain parameter.
5. Switches between the screens. Switching to the [Vibration Suppression Control] screen is allowed when the gain adjustment mode is set to [Auto tuning mode 2], [2 gain adjustment mode 2], or [Manual mode]. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Select the gain adjustment mode. The items to be set differ according to the selected mode.
7. Set the overshoot amount.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
9. Indicates unused switches for base screen switching.
10. Switches to the previously opened screen.
11. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
12. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to control the permission for inputting the parameter according to the selected gain adjustment mode. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.4 Filter Setting 1/2 (B-30015)



Outline

This screen is used to set the parameter required for filter setting.

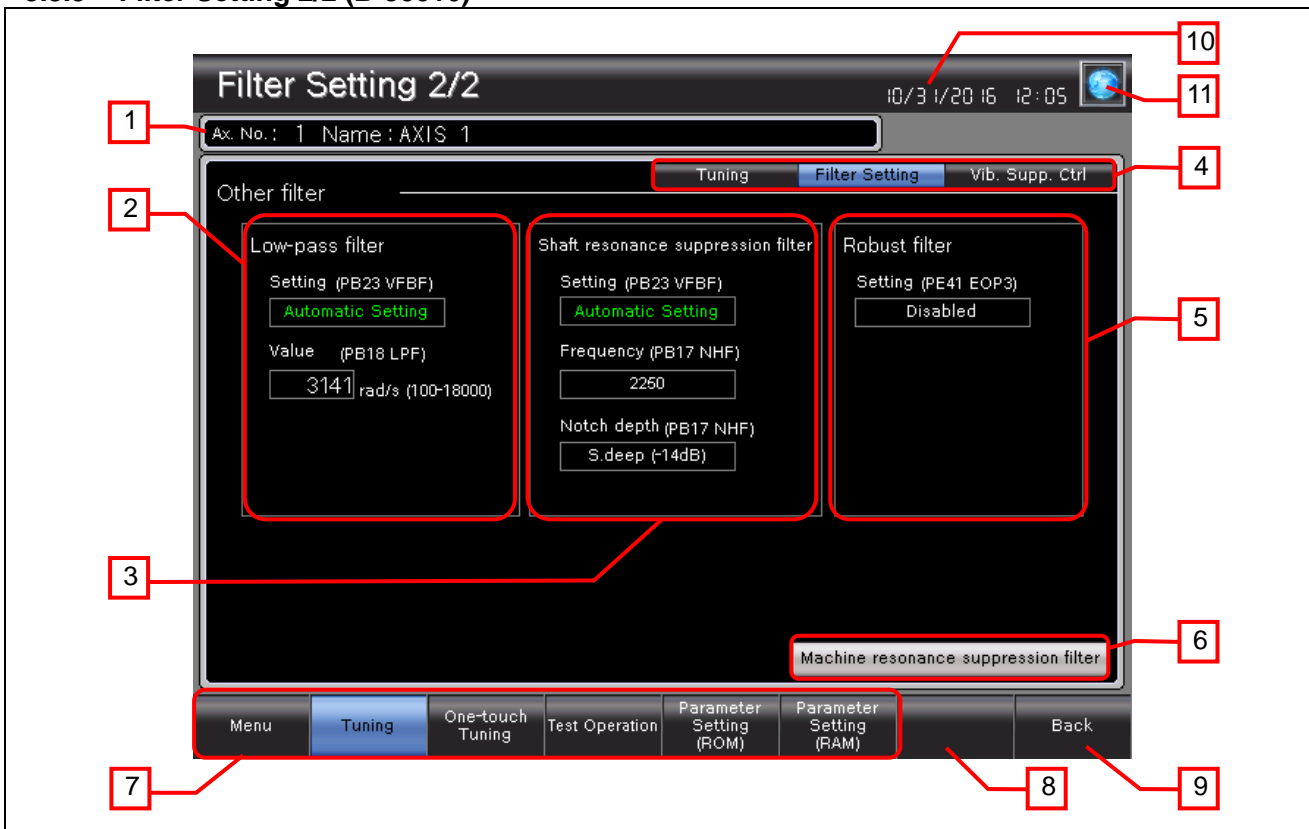
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Set the filter 1 (adaptive tuning).
3. Switches between the screens. Switching to the [Vibration Suppression Control] screen is allowed when the gain adjustment mode is set to [Auto tuning mode 2], [2 gain adjustment mode 2], or [Manual mode]. The blue switch that indicates the currently displayed screen does not switch the screen.
4. Set the filter. Filter 5 cannot be set when the robust filter is enabled.
5. Switches to the [Filter Setting 2/2] screen to display the other filters.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
7. Indicates unused switches for base screen switching.
8. Switches to the previously opened screen.
9. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
10. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to control the parameter setting and the permission for inputting the parameter in the filter setting. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.5 Filter Setting 2/2 (B-30016)



Outline

This screen is used to set the parameter required for filter setting.

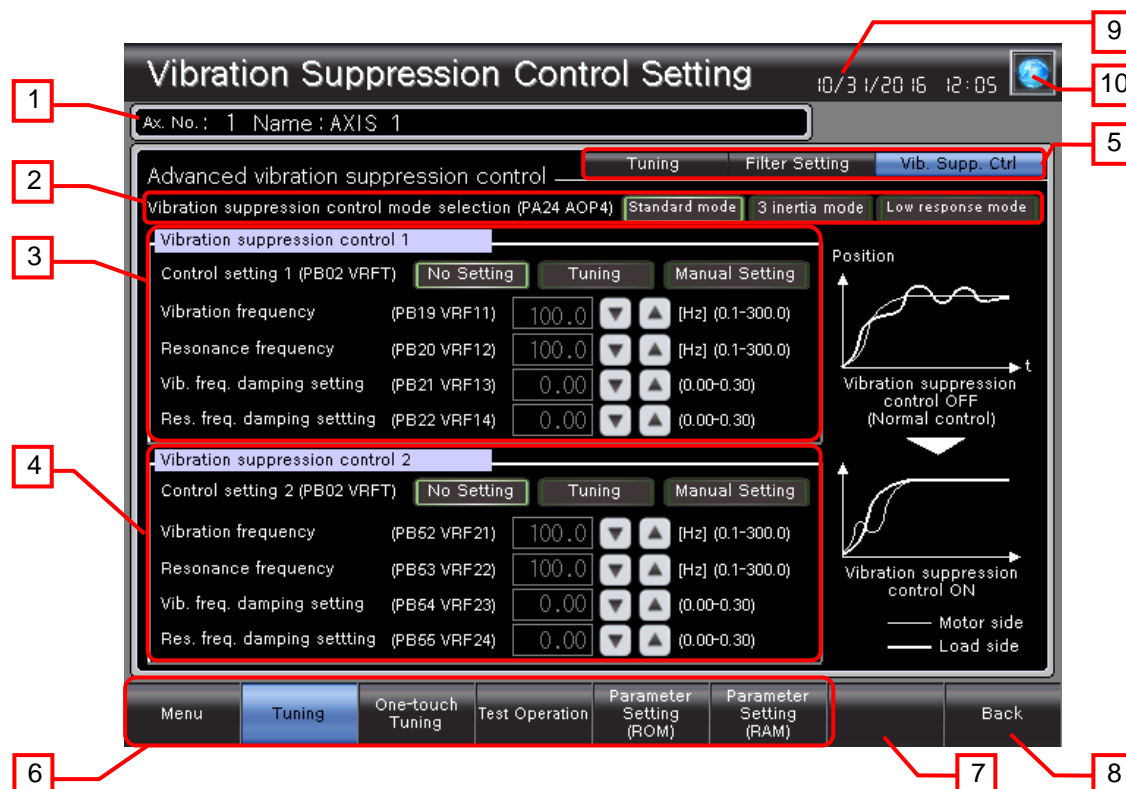
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Set the low-pass filter.
3. Set the shaft resonance suppression filter. It cannot be set when filter 4 of the machine resonance suppression filter is enabled.
4. Switches between the screens. Switching to the [Vibration Suppression Control] screen is allowed when the gain adjustment mode is set to [Auto tuning mode 2], [2 gain adjustment mode 2], or [Manual mode]. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Set the robust filter.
6. Switches to the [Filter Setting 1/2] screen to display the machine resonance suppression filters.
7. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
8. Indicates unused switches for base screen switching.
9. Switches to the previously opened screen.
10. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
11. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to control the parameter setting and the permission for inputting the parameter in the filter setting. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.6 Vibration Suppression Control (B-30017)



Outline

This screen is used to set the parameter required for vibration suppression control.

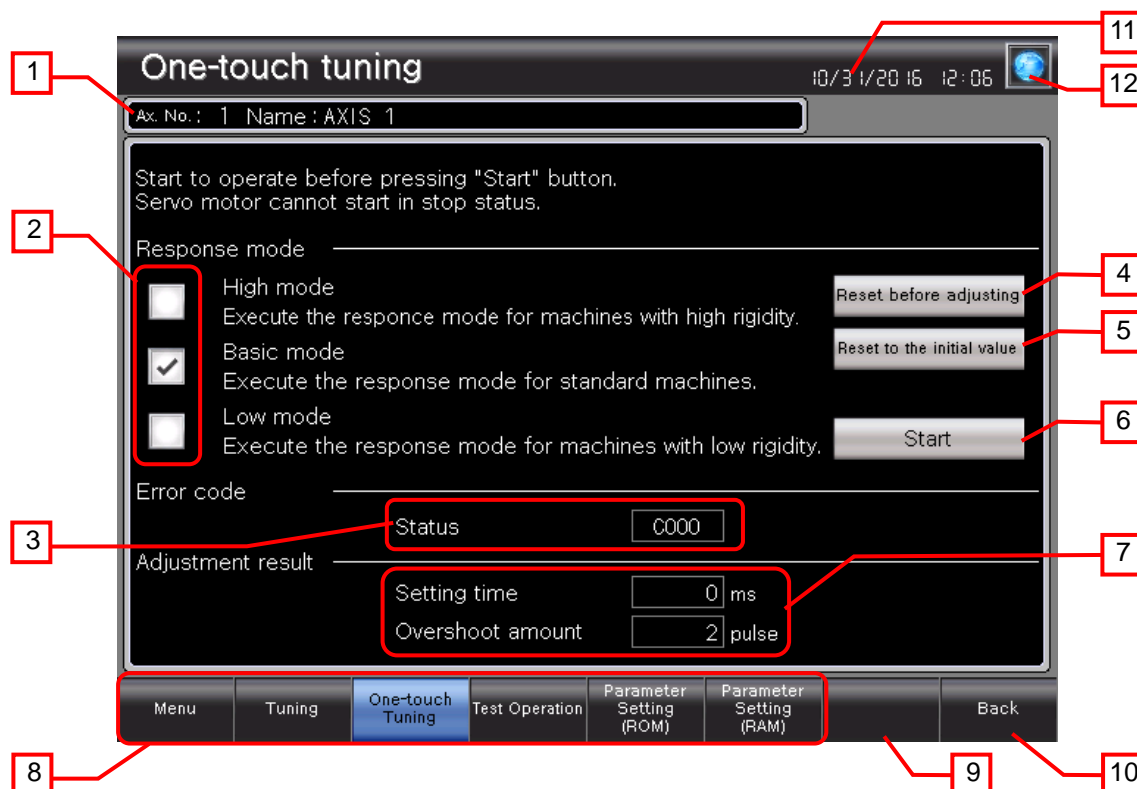
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Select the vibration suppression control mode.
3. Set the vibration suppression control 1.
4. Set the vibration suppression control 2. It cannot be set when the vibration suppression control mode is set to [Standard mode] or [Low response mode].
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
7. Indicates unused switches for base screen switching.
8. Switches to the previously opened screen.
9. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
10. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to control the parameter setting and the permission for inputting the parameter in the vibration suppression control setting. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.7 One-Touch Tuning (B-30019)



Outline

This screen is used to perform one-touch tuning.

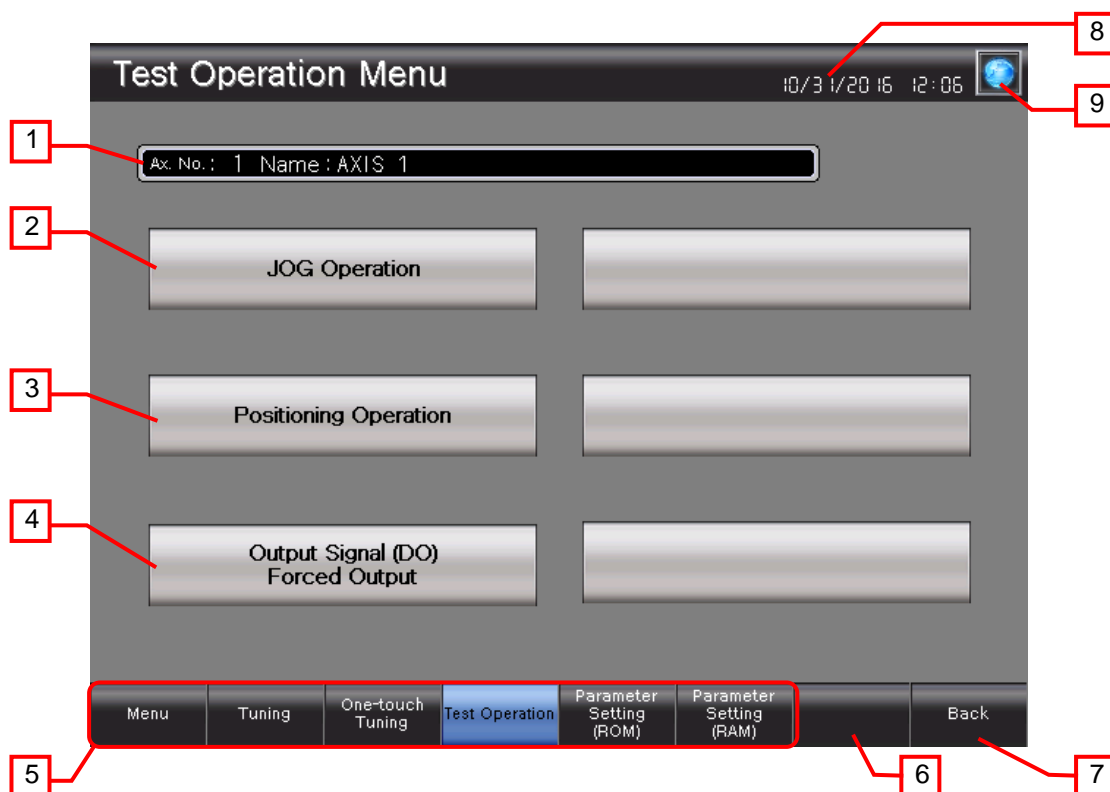
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Select the response mode.
3. Displays the error code.
4. Resets to the status before the one-touch tuning is performed.
5. Resets to the initial value.
6. Starts the one-touch tuning in the selected response mode. During the tuning, the window for indicating the one-touch tuning progress is displayed.
7. Displays the adjustment results.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
9. Indicates unused switches for base screen switching.
10. Switches to the previously opened screen.
11. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
12. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to execute the one-touch tuning in the selected response mode. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.8 Test Operation Menu (B-30021)



Outline

This screen shows the menu for test operations.

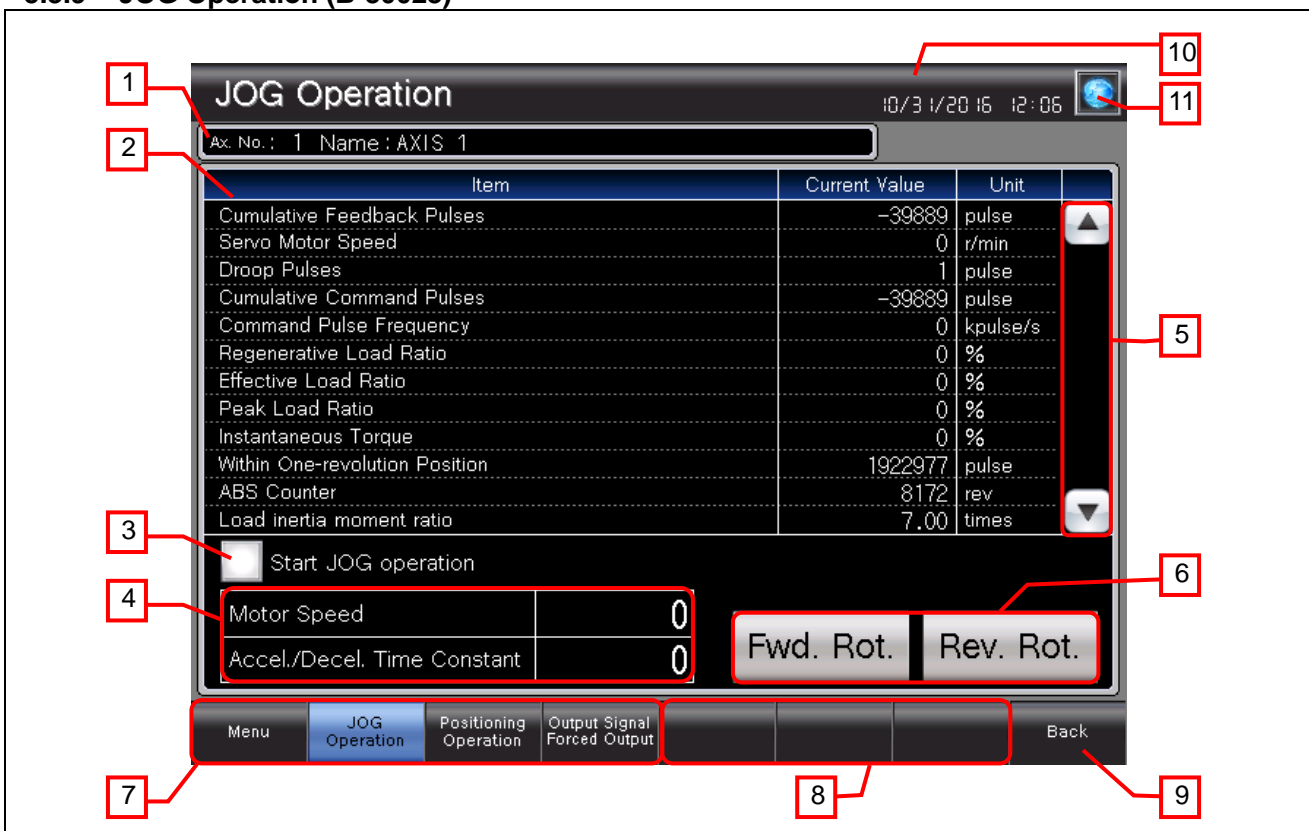
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [JOG Operation] screen.
3. Switches to the [Positioning Operation] screen.
4. Switches to the [Output Signal (DO) Forced Output] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Indicates unused switches for base screen switching.
7. Switches to the previously opened screen.
8. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
9. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.9 JOG Operation (B-30023)



Outline

This screen is used to perform a JOG operation test.

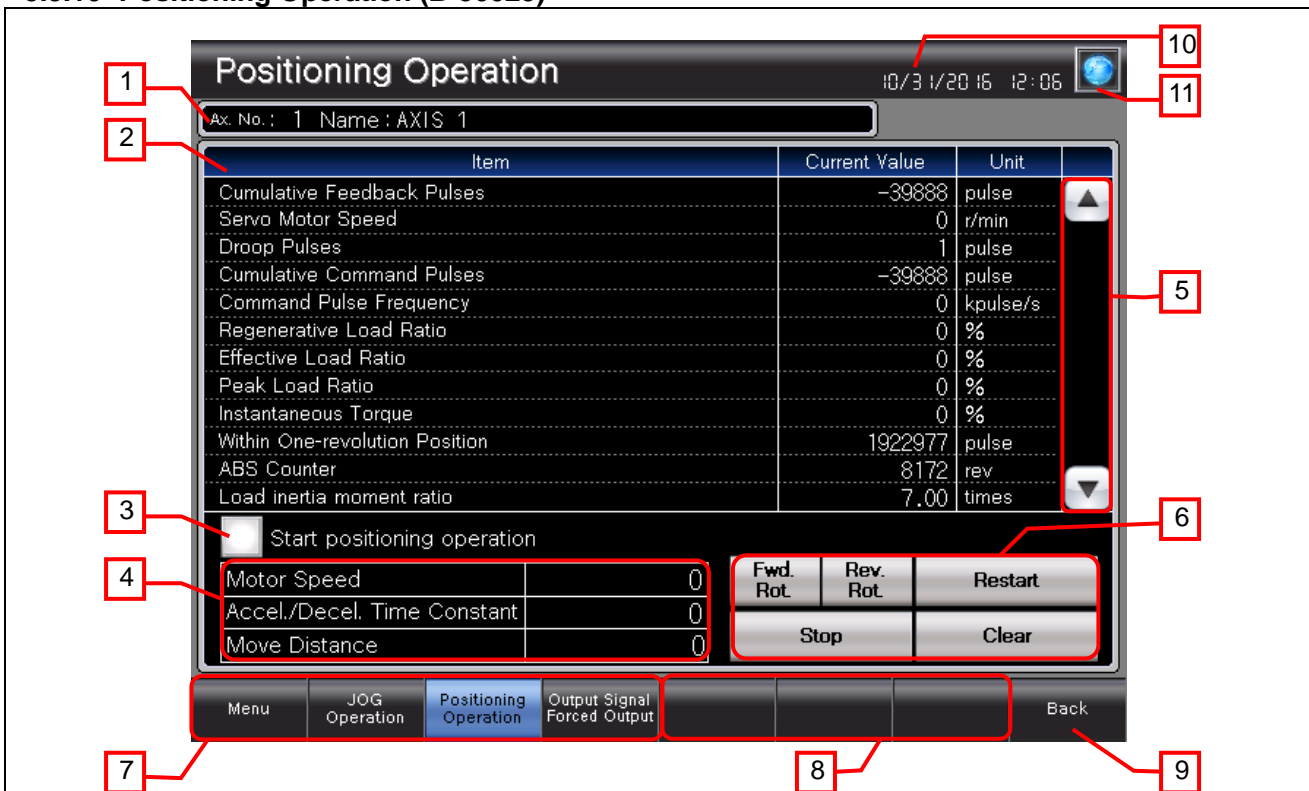
Description

- Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
- Displays the status of the servo motor.
- Switches to the JOG operation mode. Touch the switch again during the JOG operation mode to terminate the test operation mode.
- Set the motor speed and acceleration/deceleration time constant.
- Scrolls the screen to view all the displayed items.
- Performs the JOG operation.
Fwd. Rot.: Performs the JOG operation in the forward rotation while the switch is touched.
Rev. Rot.: Performs the JOG operation in the reverse rotation while the switch is touched.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Indicates unused switches for base screen switching.
- Switches to the previously opened screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
- Opens the [Language Setting] window.

Remarks

- The superimpose window is used to display the status of the servo motor.
- The project script is used to select the monitoring target axis. In addition, the screen script is used to switch to the JOG operation mode, to set the motor speed and acceleration/deceleration time constant, and to perform the JOG operation in the forward/reverse rotations. For the details on the script, please refer to "5.8 Script List".
- During the test operation, the screen switching and axis switching cannot be performed.
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.10 Positioning Operation (B-30025)



Outline

This screen is used to perform a positioning operation test.

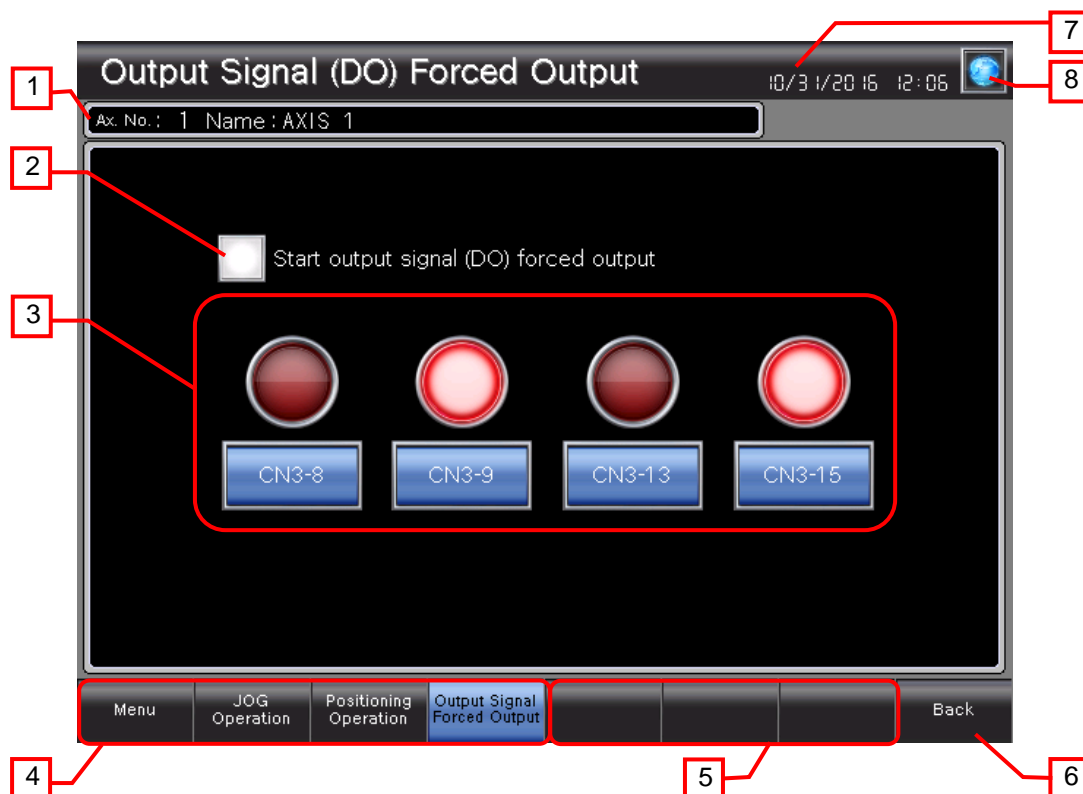
Description

- Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
- Displays the status of the servo motor.
- Switches to the positioning operation mode. Touch the switch again during the positioning operation mode to terminate the test operation mode.
- Set the motor speed, acceleration/deceleration time constant, and travel distance.
- Scrolls the screen to view all the displayed items.
- Performs the positioning operation.
 - Fwd. Rot.: Performs the JOG operation in the forward rotation while the switch is touched.
 - Rev. Rot.: Performs the JOG operation in the reverse rotation while the switch is touched.
 - Stop: Stops temporarily the ongoing positioning operation.
 - Restart: Restarts the stopped positioning operation.
 - Clear: Clears the stopped positioning operation.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Indicates unused switches for base screen switching.
- Switches to the previously opened screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
- Opens the [Language Setting] window.

Remarks

- The superimpose window is used to display the status of the servo motor.
- The project script is used to select the monitoring target axis. In addition, the screen script is used to switch to the positioning operation mode and to set the motor speed, acceleration/deceleration time constant, and travel distance. For the details on the script, please refer to "5.8 Script List".
- During the test operation, the screen switching and axis switching cannot be performed.
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.11 Output Signal (DO) Forced Output (B-30029)



Outline

This screen is used to perform the forced output of signals.

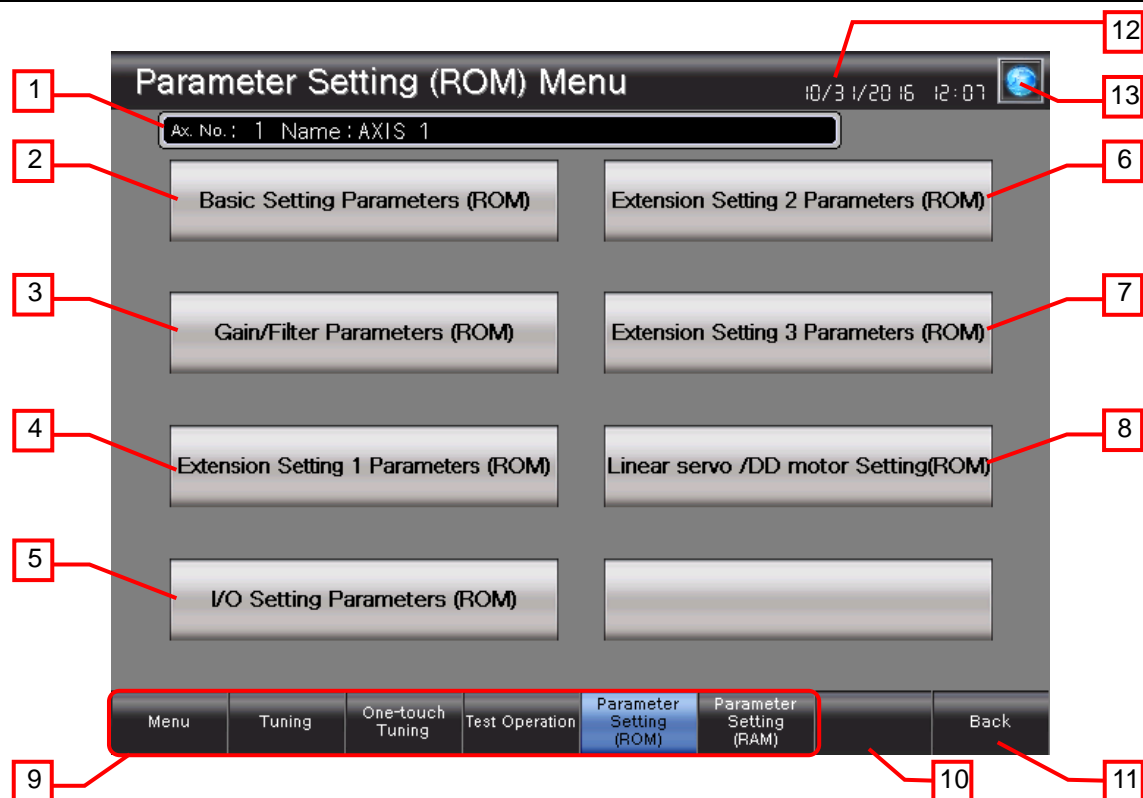
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the output signal (DO) forced output mode. Touch the switch again during the output signal (DO) forced output mode to terminate the test operation mode.
3. Performs the forced output of the signal. The lamp is lighted while the signal is output.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Indicates unused switches for base screen switching.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to switch to the output signal (DO) forced output mode and to set the output signal. For the details on the script, please refer to "5.8 Script List".
- During the test operation, the screen switching and axis switching cannot be performed.
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.12 Parameter Setting (ROM) Menu (B-30041)



Outline

This screen shows the menu for parameter setting (ROM).

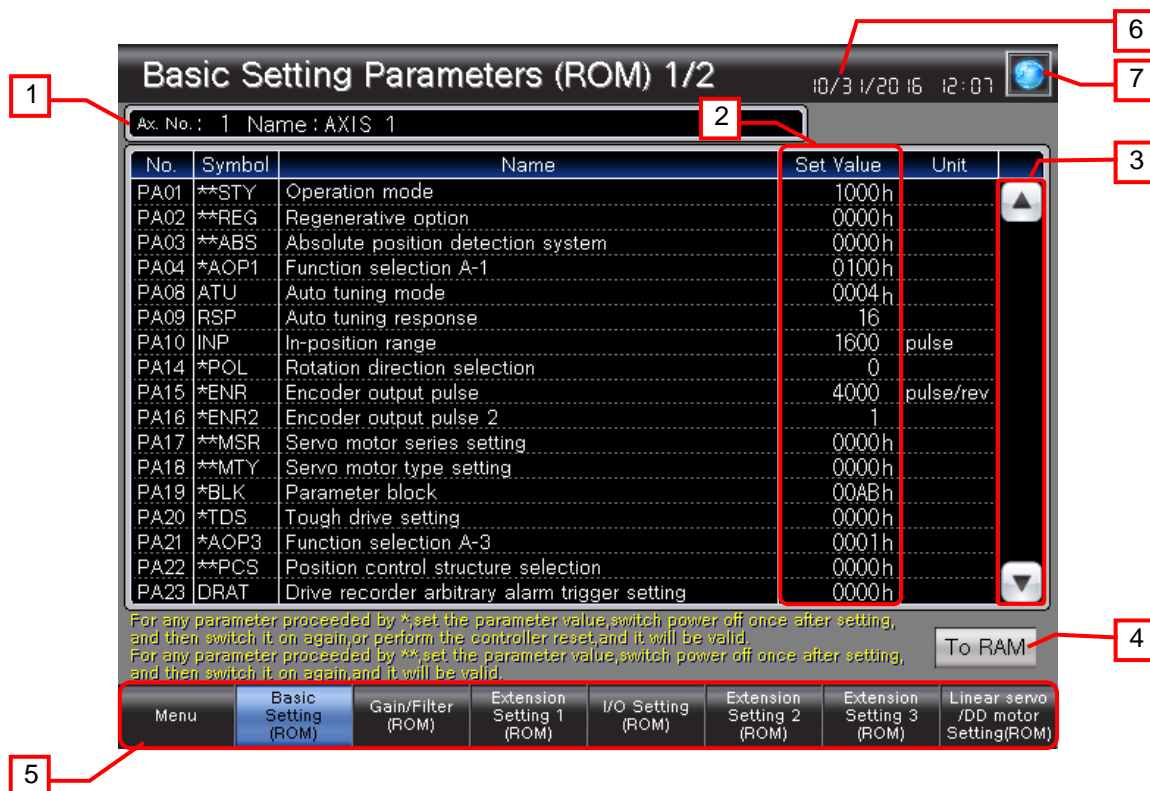
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [Basic Setting Parameters (ROM)] screen.
3. Switches to the [Gain/Filter Parameters (ROM)] screen.
4. Switches to the [Extension Setting 1 Parameters (ROM)] screen.
5. Switches to the [I/O Setting Parameters (ROM)] screen.
6. Switches to the [Extension Setting 2 Parameters (ROM)] screen.
7. Switches to the [Extension Setting 3 Parameters (ROM)] screen.
8. Switches to the [Linear Servo Motor/DD Motor (ROM)] screen.
9. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
10. Indicates unused switches for base screen switching.
11. Switches to the previously opened screen.
12. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
13. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.13 Basic Setting Parameters (ROM) (B-30043 to 30044)



Outline

This screen is used to display the value of the basic setting parameter of EEPROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

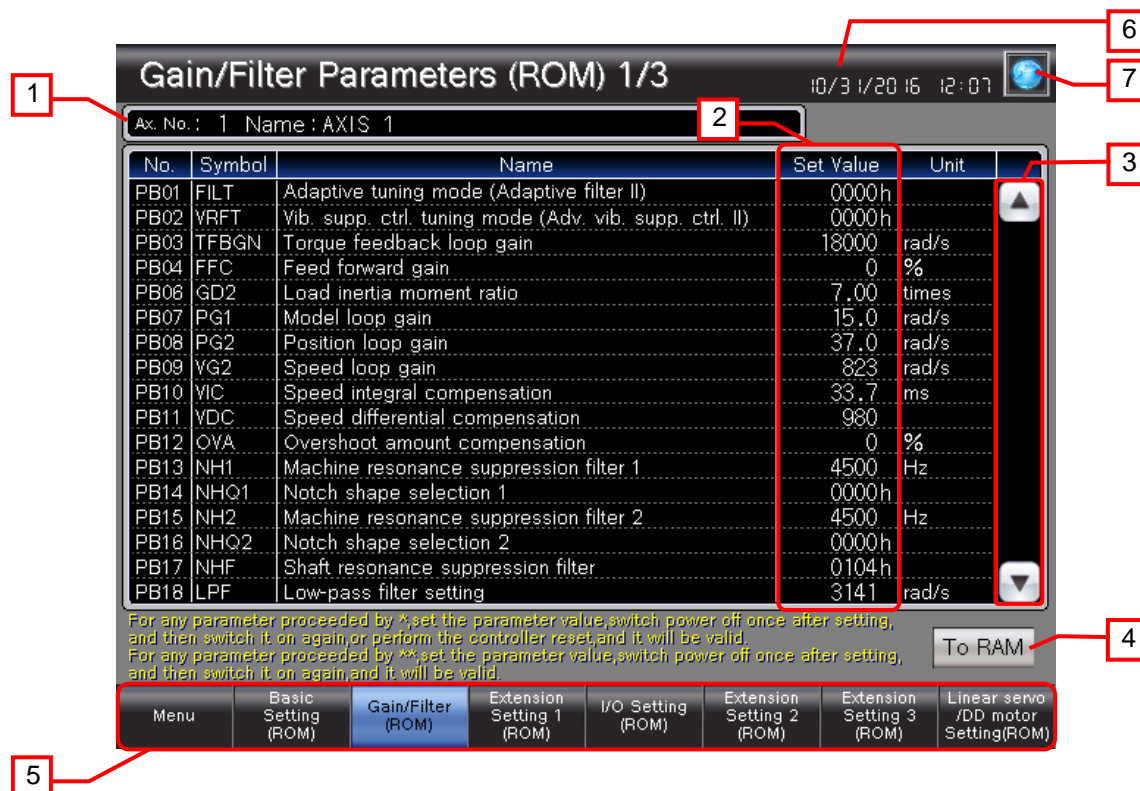
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the basic setting parameter.
4. Switches to the [Basic Setting Parameters (RAM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.14 Gain/Filter Parameters (ROM) (B-30046 to 30048)



Outline

This screen is used to display the value of the gain/filter parameter of EEP-ROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

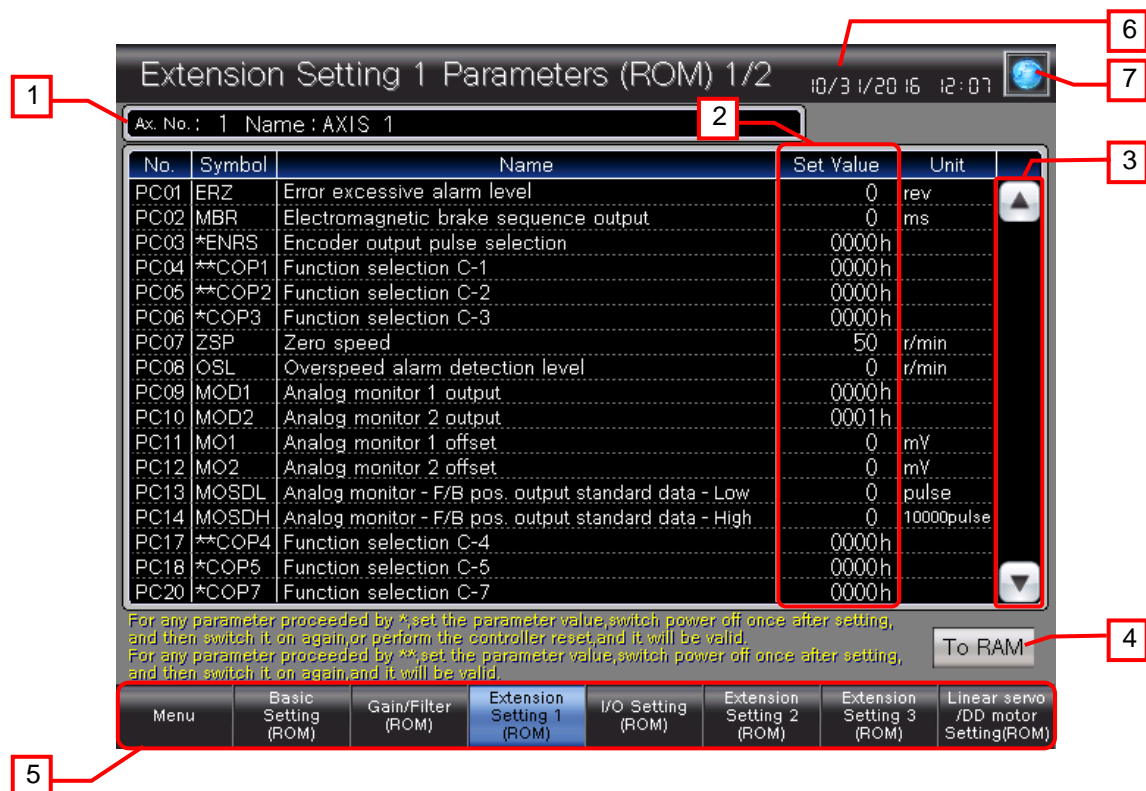
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the gain/filter parameter.
4. Switches to the [Gain/Filter Parameters (RAM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.15 Ext. Setting 1 Parameters (ROM) (B-30049 to 30050)



Outline

This screen is used to display the value of the extension setting 1 parameter of EEPROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

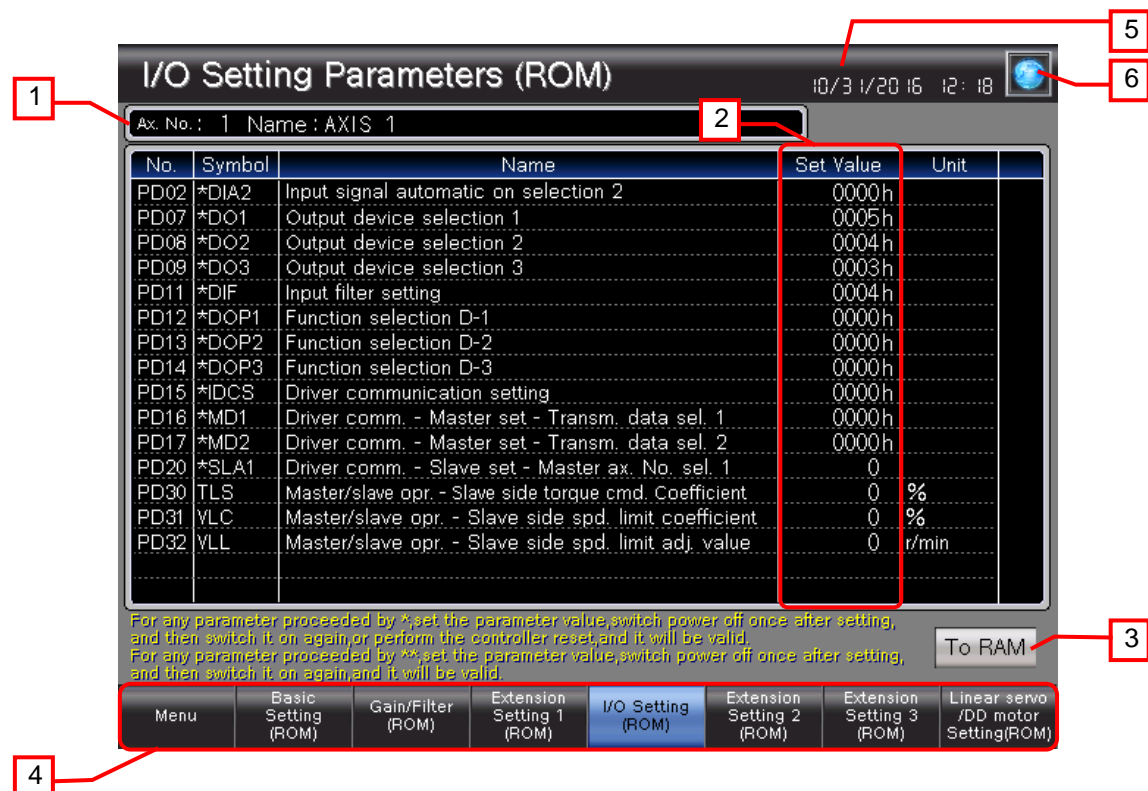
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the extension setting 1 parameter.
4. Switches to the [Extension Setting 1 Parameters (RAM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.16 I/O Setting Parameters (ROM) (B-30052)



Outline

This screen is used to display the value of the I/O setting parameter of EEPROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

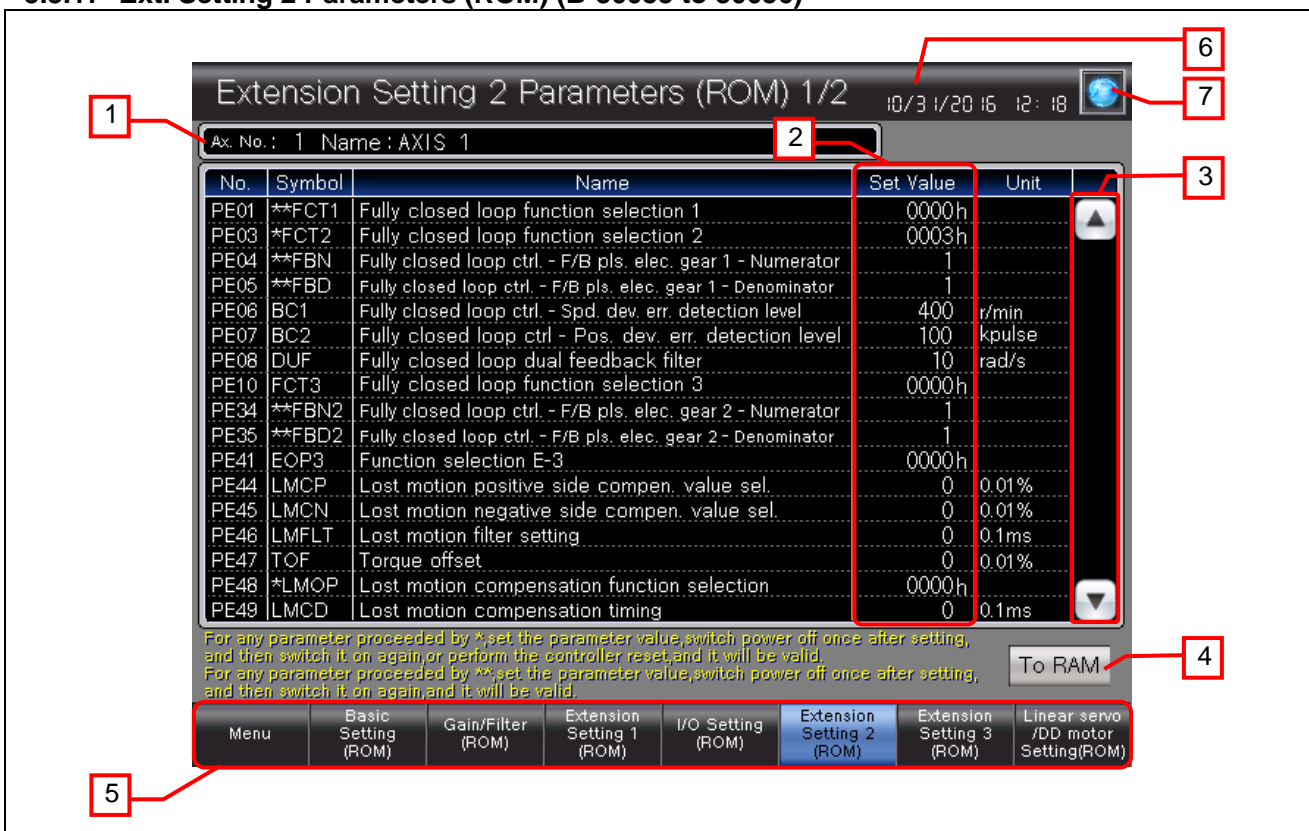
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Switches to the [I/O Setting Parameters (RAM)] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.17 Ext. Setting 2 Parameters (ROM) (B-30055 to 30056)



Outline

This screen is used to display the value of the extension setting 2 parameter of EEP-ROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

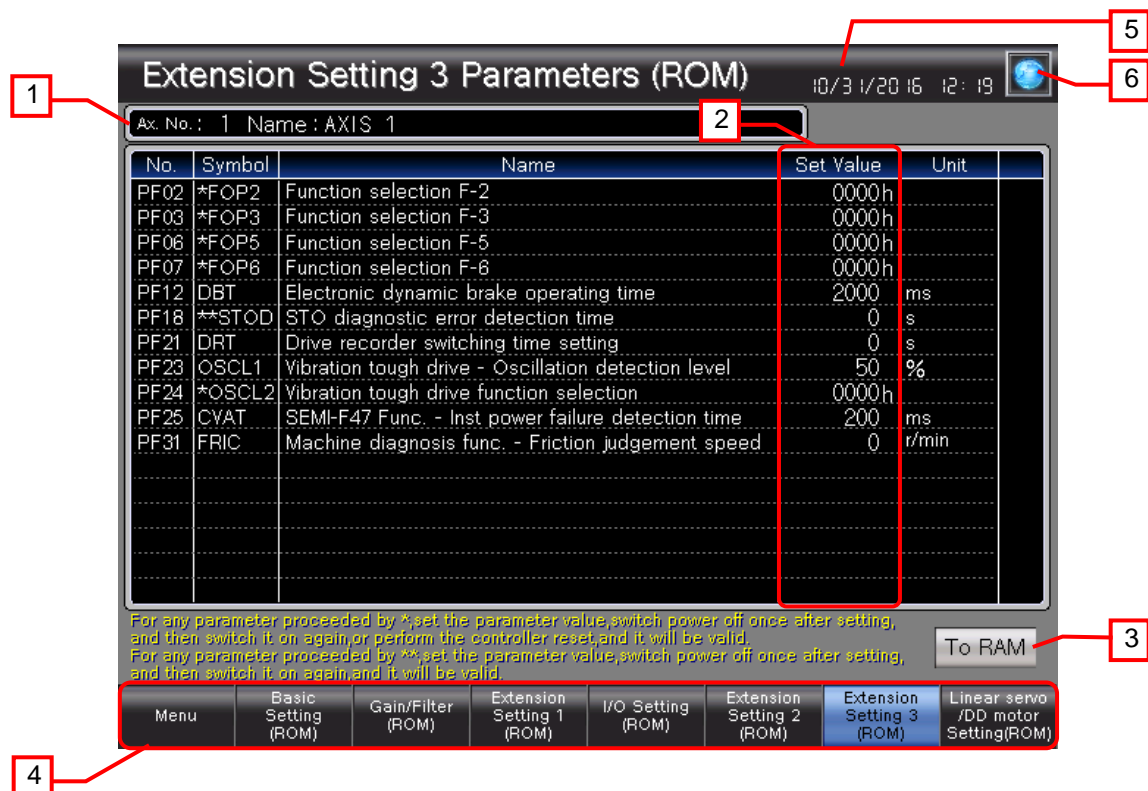
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the extension setting 2 parameter.
4. Switches to the [Extension Setting 2 Parameters (RAM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.18 Ext. Setting 3 Parameters (ROM) (B-30058)



Outline

This screen is used to display the value of the extension setting 3 parameter of EEP-ROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

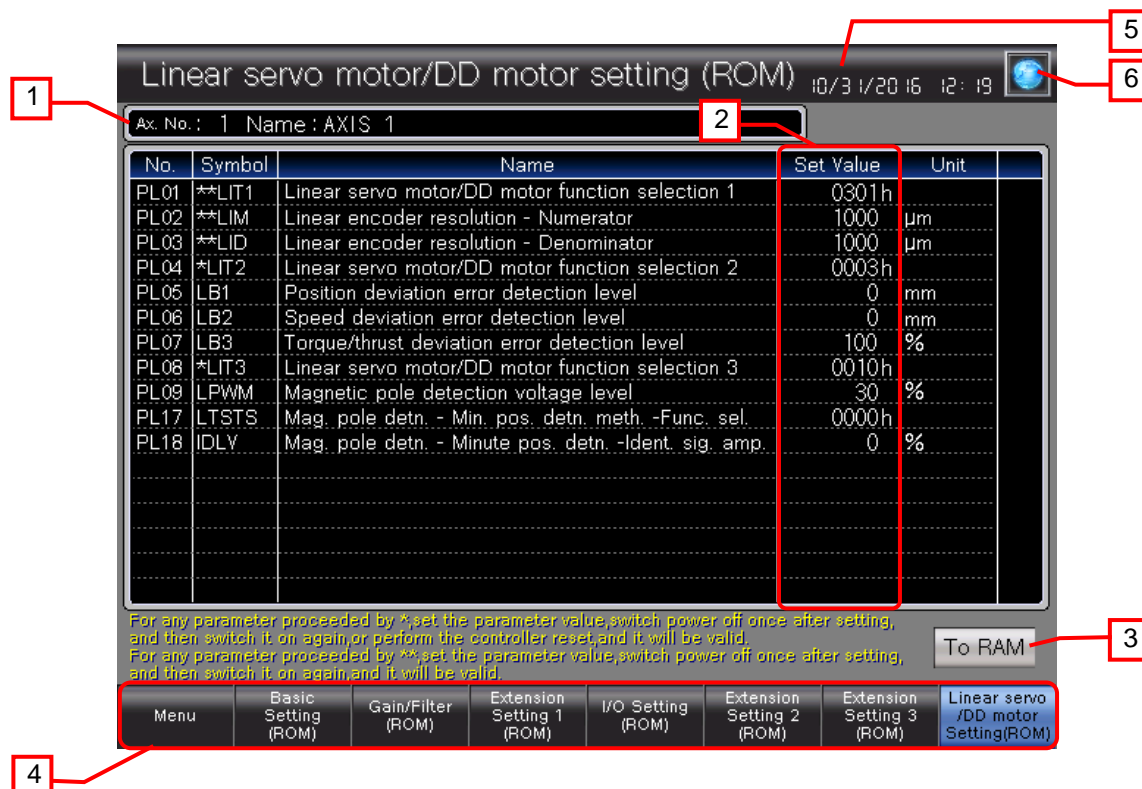
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Switches to the [Extension Setting 3 Parameters (RAM)] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.19 Linear Servo Motor/DD Motor (ROM) (B-30061)



Outline

This screen is used to display the value of the linear servo motor/DD motor setting parameter of EEPROM in the servo amplifier. On the screen, the operator can set the value of the parameter.

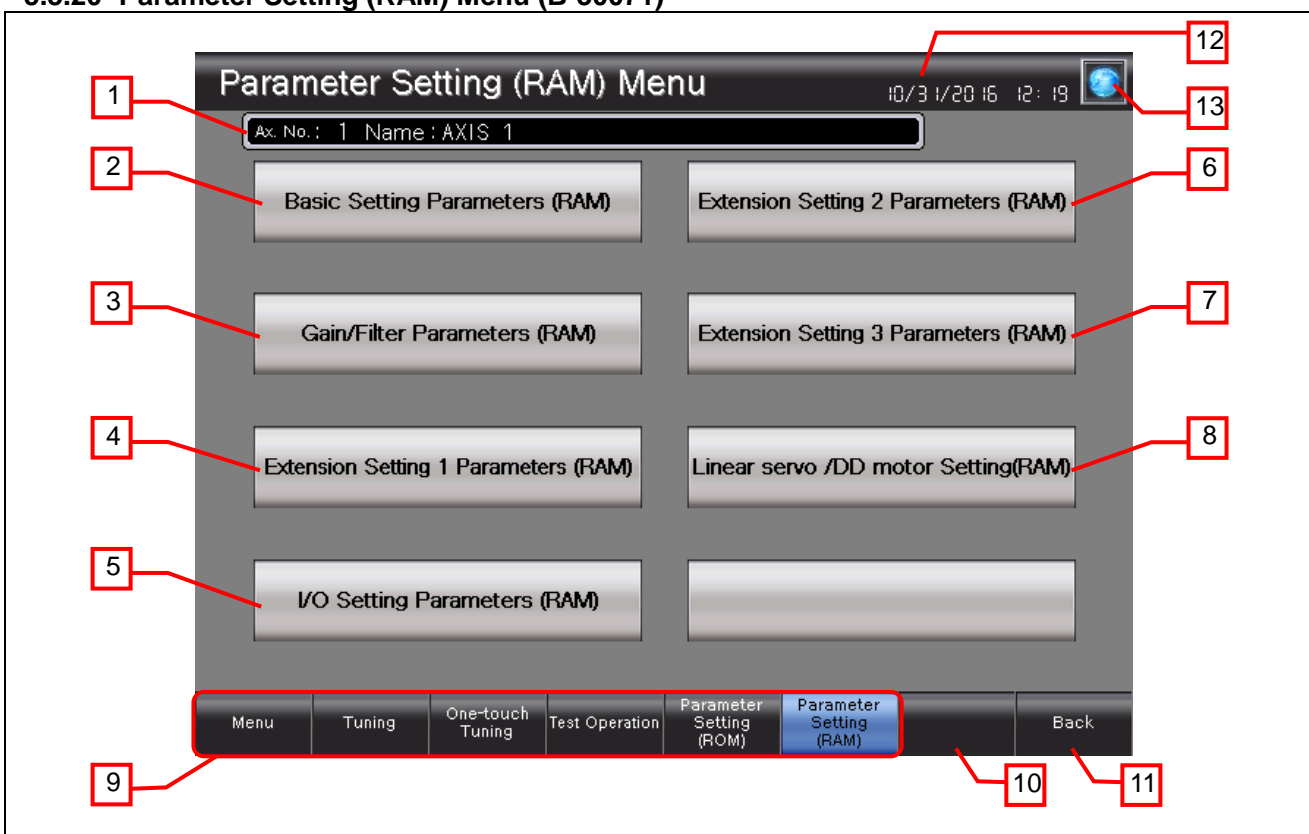
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Switches to the [Linear servo motor/DD motor setting (RAM)] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.20 Parameter Setting (RAM) Menu (B-30071)



Outline

This screen shows the menu for parameter setting (RAM).

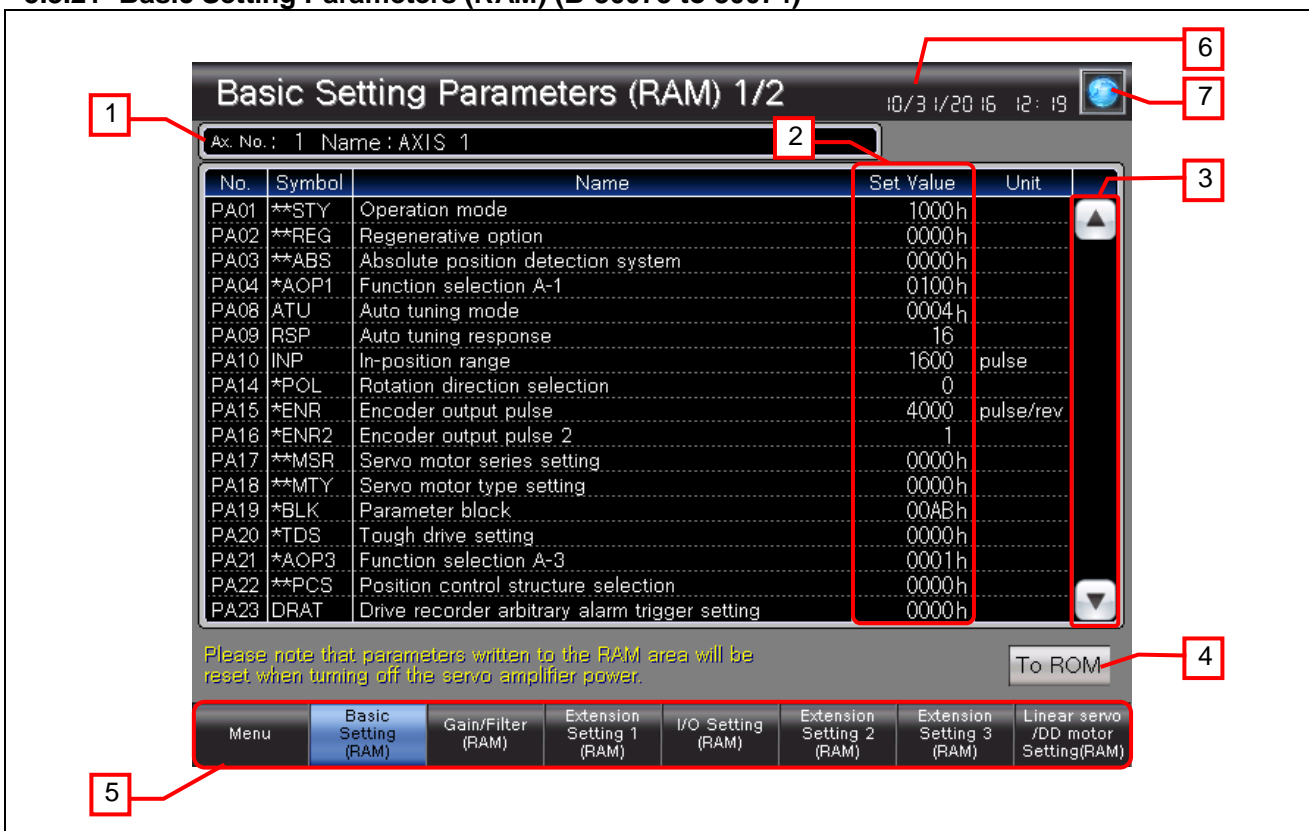
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [Basic Setting Parameters (RAM)] screen.
3. Switches to the [Gain/Filter Parameters (RAM)] screen.
4. Switches to the [Extension Setting 1 Parameters (RAM)] screen.
5. Switches to the [I/O Setting Parameters (RAM)] screen.
6. Switches to the [Extension Setting 2 Parameters (RAM)] screen.
7. Switches to the [Extension Setting 3 Parameters (RAM)] screen.
8. Switches to the [Linear Servo Motor/DD Motor (RAM)] screen.
9. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
10. Indicates unused switches for base screen switching.
11. Switches to the previously opened screen.
12. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
13. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.21 Basic Setting Parameters (RAM) (B-30073 to 30074)



Outline

This screen is used to display the value of the basic setting parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

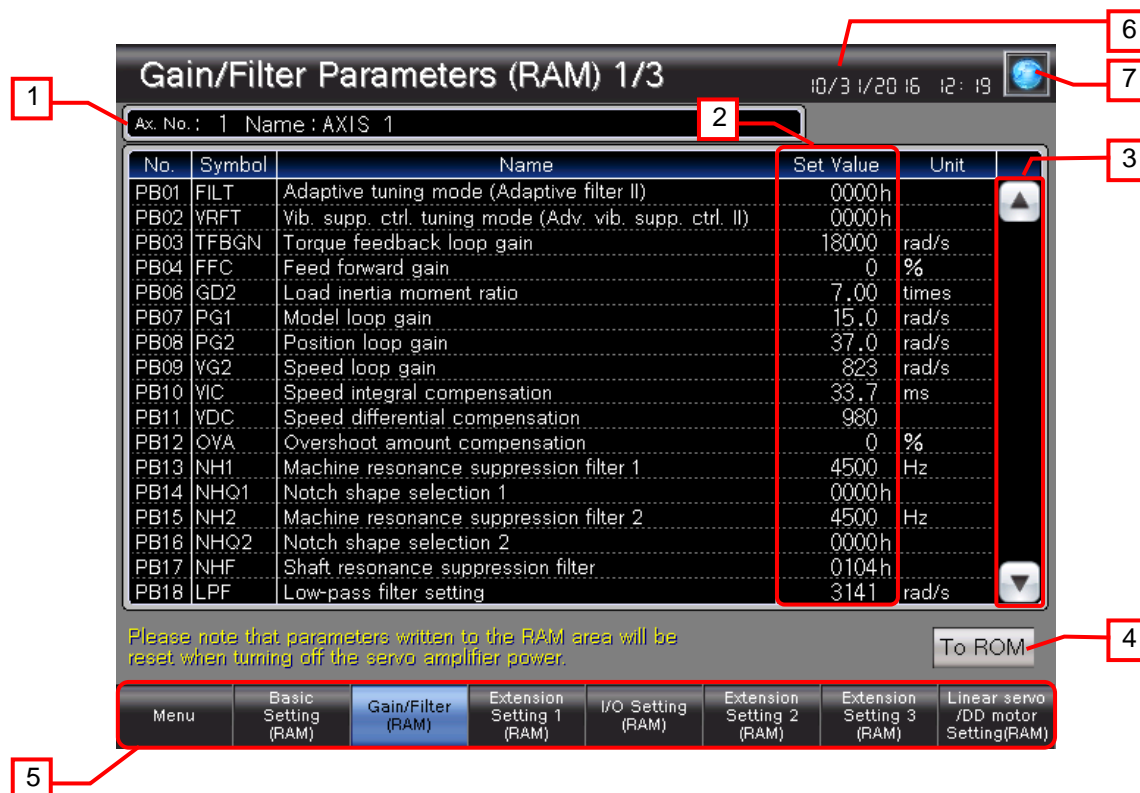
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the basic setting parameter.
4. Switches to the [Basic Setting Parameters (ROM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.22 Gain/Filter Parameters (RAM) (B-30076 to 30078)



Outline

This screen is used to display the value of the gain/filter parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

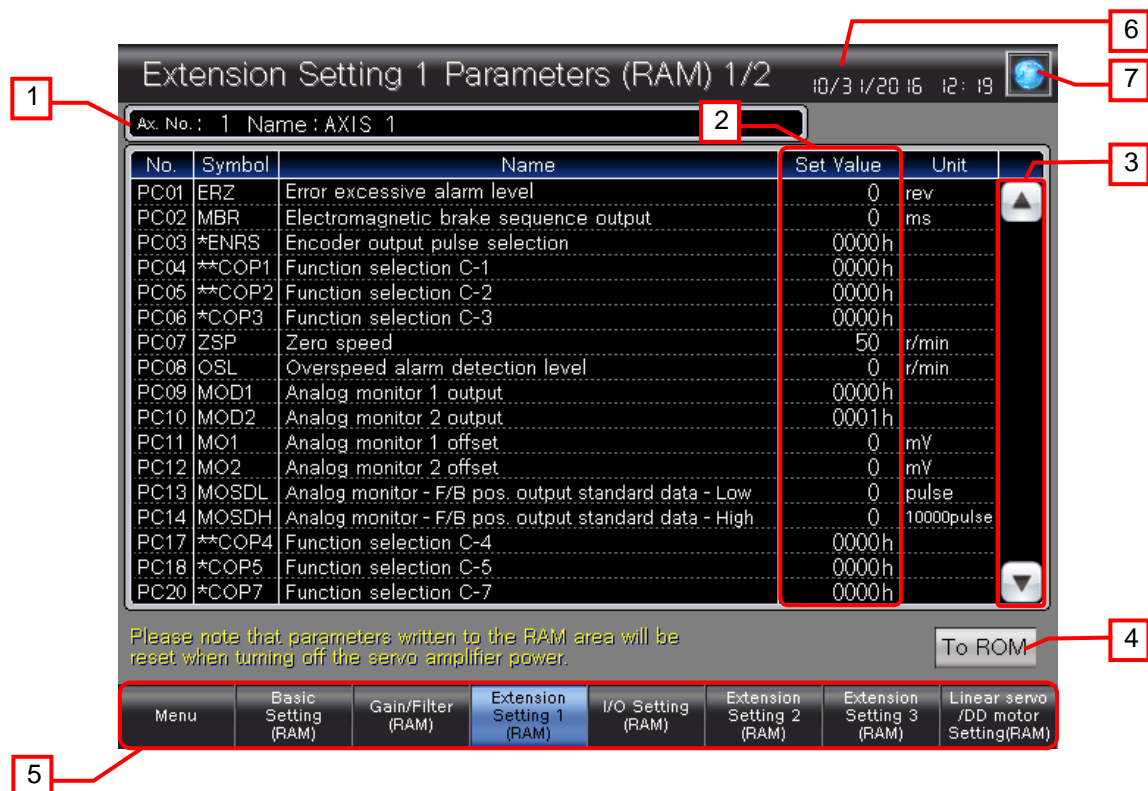
Description

- Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
- Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
- Scrolls the screen to view all the displayed items of the gain/filter parameter.
- Switches to the [Gain/Filter Parameters (ROM)] screen.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
- Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.23 Ext. Setting 1 Parameters (RAM) (B-30079 to 30080)



Outline

This screen is used to display the value of the extension setting 1 parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

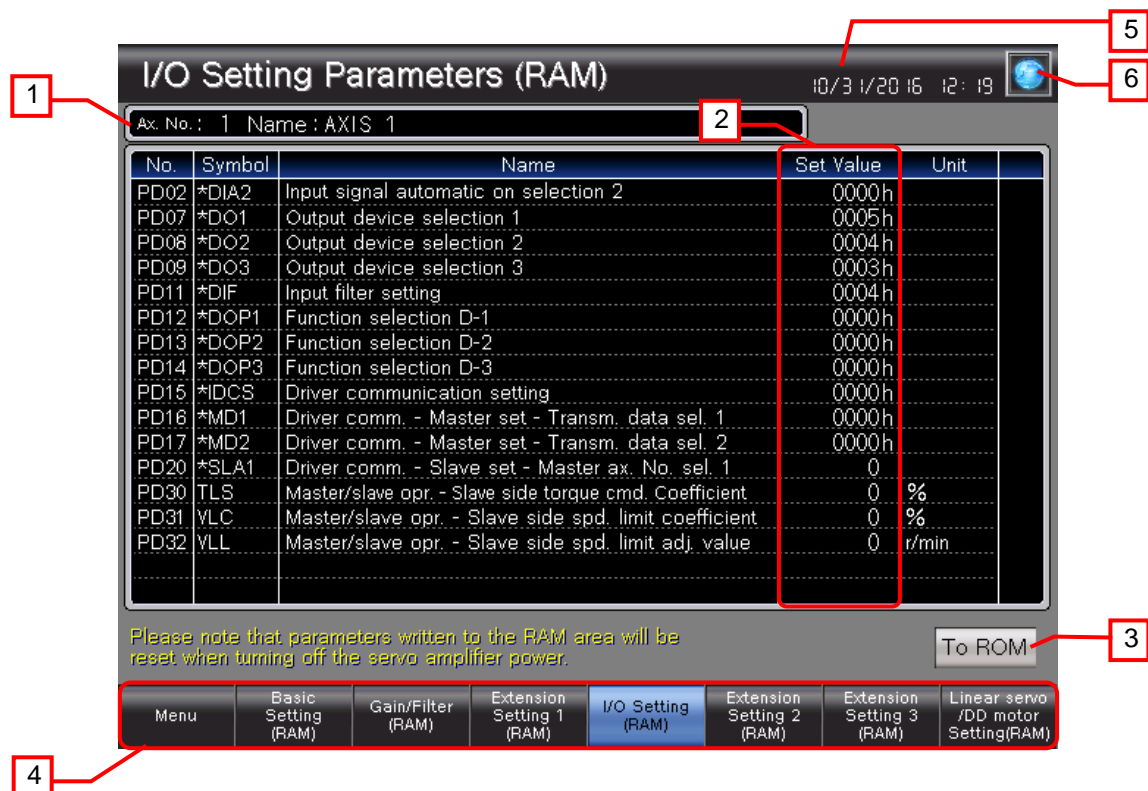
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the extension setting 1 parameter.
4. Switches to the [Extension Setting 1 Parameters (ROM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.24 I/O Setting Parameters (RAM) (B-30082)



Outline

This screen is used to display the value of the I/O setting parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

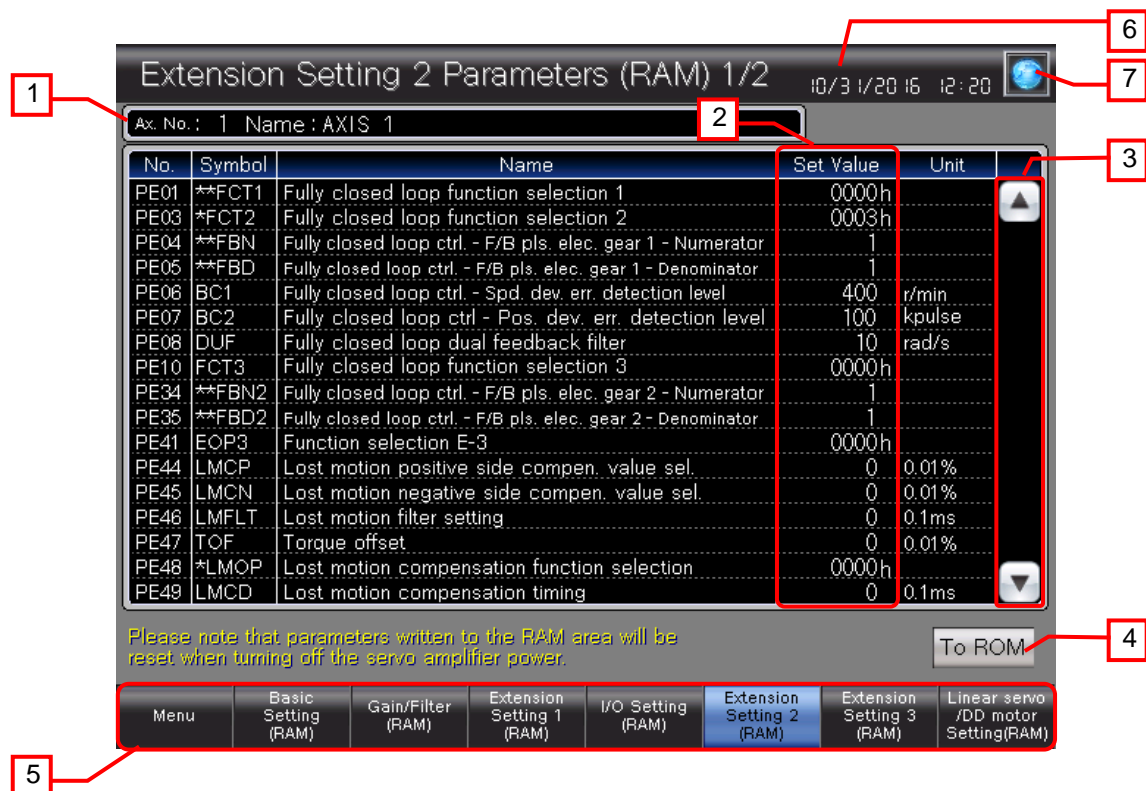
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Switches to the [I/O Setting Parameters (ROM)] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.25 Ext. Setting 2 Parameters (RAM) (B-30085 to 30086)



Outline

This screen is used to display the value of the extension setting 2 parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

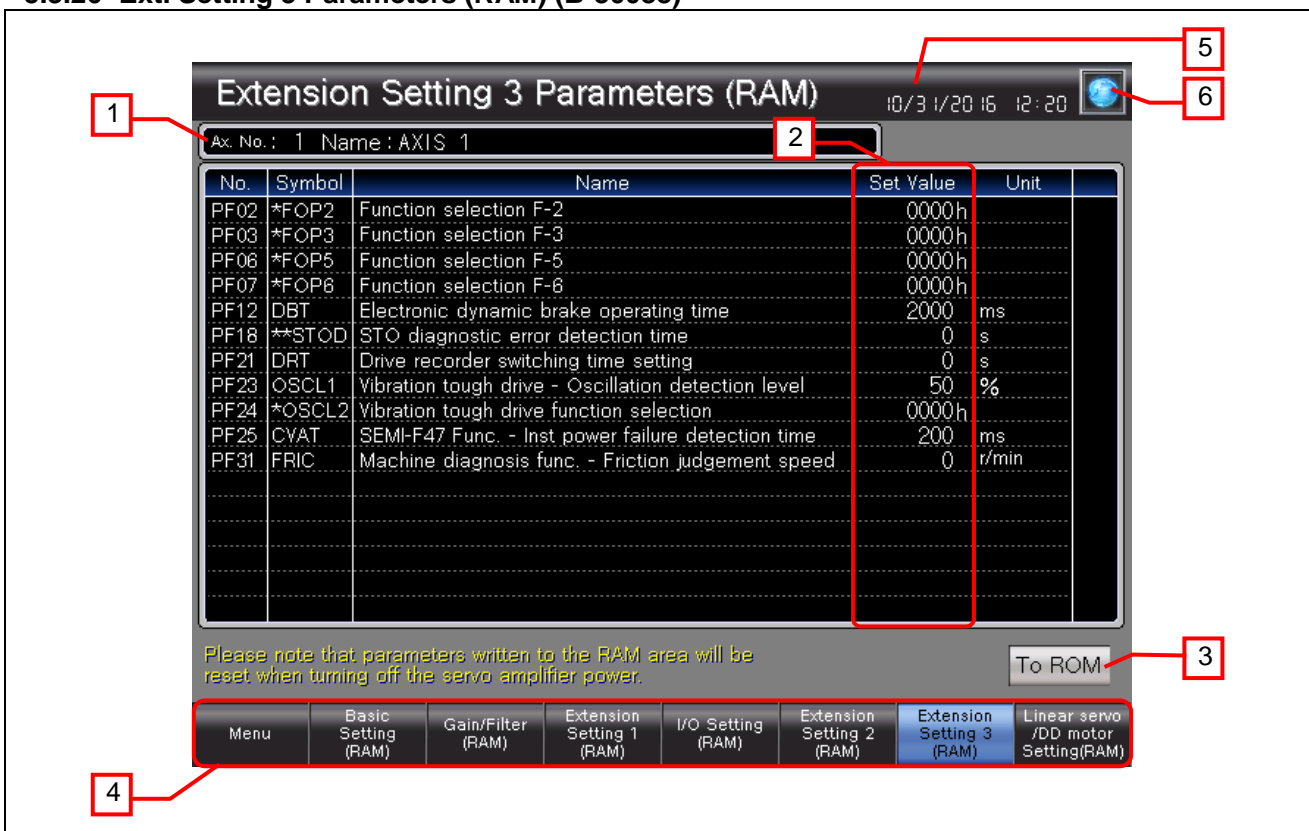
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Scrolls the screen to view all the displayed items of the extension setting 2 parameter.
4. Switches to the [Extension Setting 2 Parameters (ROM)] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.26 Ext. Setting 3 Parameters (RAM) (B-30088)



Outline

This screen is used to display the value of the extension setting 3 parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Switches to the [Extension Setting 3 Parameters (ROM)] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.27 Linear Servo Motor/DD Motor (RAM) (B-30091)



Outline

This screen is used to display the value of the linear servo motor/DD motor setting parameter of RAM in the servo amplifier. On the screen, the operator can set the value of the parameter.

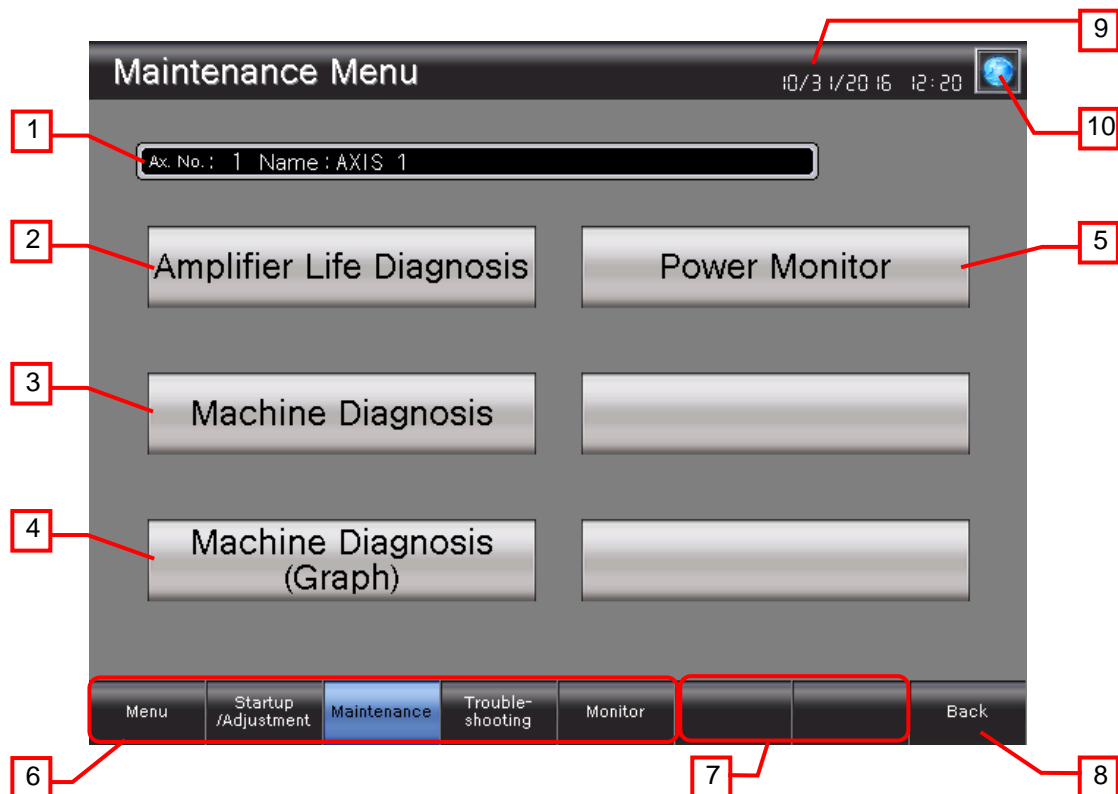
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the value of the parameter to be set.
(The set value without "h" is indicated in decimal and the set value with "h" is indicated in hexadecimal.)
3. Switches to the [Linear servo motor/DD motor setting (ROM)] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
6. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.28 Maintenance Menu (B-30101)



Outline

This screen shows the menu for maintenance.

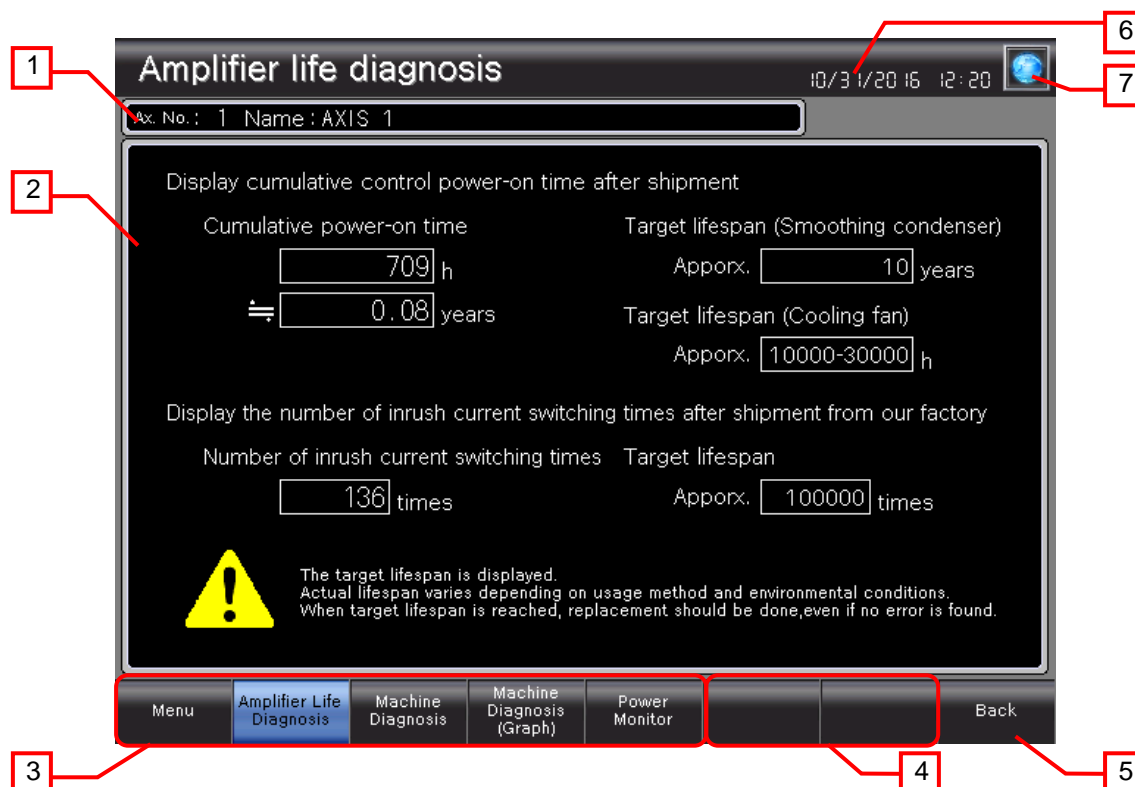
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [Amplifier life diagnosis] screen.
3. Switches to the [Machine diagnosis] screen.
4. Switches to the [Machine Diagnosis (Graph)] screen.
5. Switches to the [Power Monitor] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
7. Indicates unused switches for base screen switching.
8. Switches to the previously opened screen.
9. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
10. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.29 Amplifier Life Diagnosis (B-30103)



Outline

This screen is used to display the result of amplifier life diagnosis.

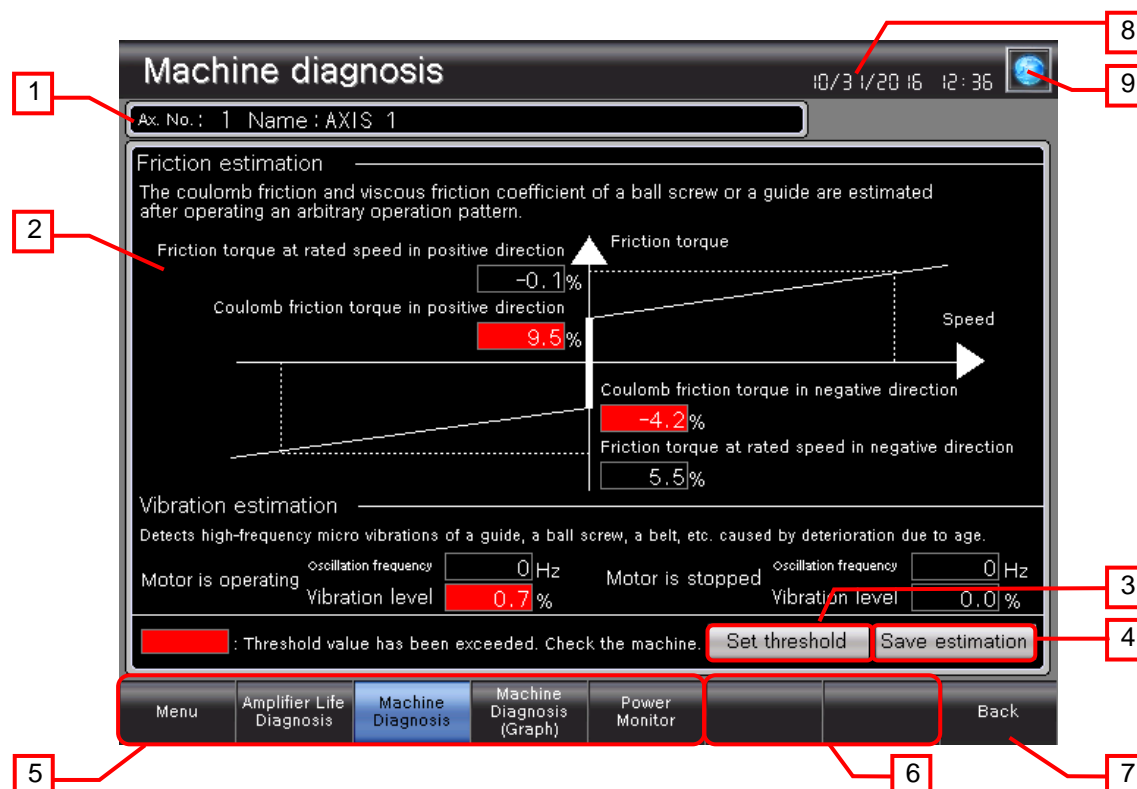
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the result of the amplifier life diagnosis.
3. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
4. Indicates unused switches for base screen switching.
5. Switches to the previously opened screen.
6. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
7. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.30 Machine Diagnosis (B-30105)



Outline

This screen is used to display and save estimated values and set threshold values for machine diagnosis.

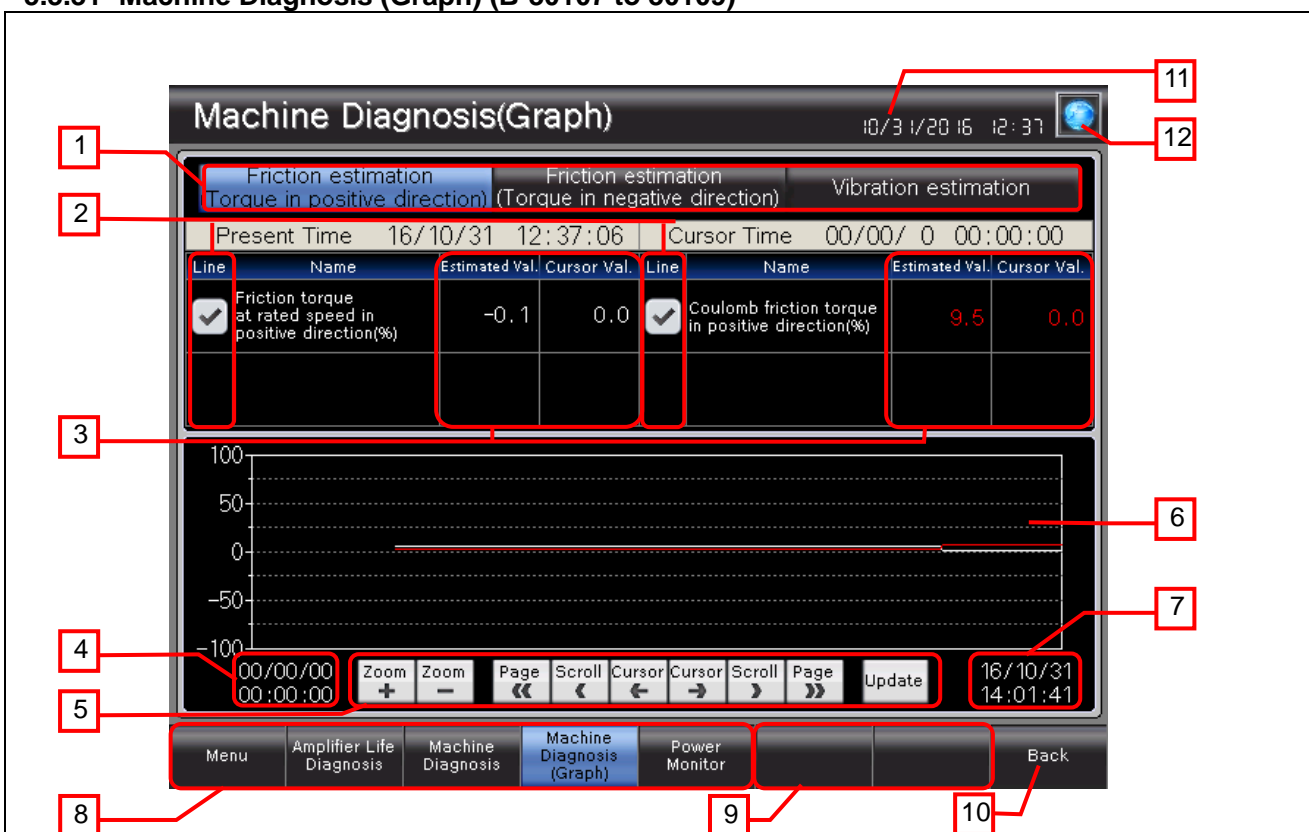
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the estimated value upon completion of the machine diagnosis.
If the estimated value has exceeded the threshold value, the area indicating the estimated value will turn to red.
3. Displays the threshold value setting window.
4. Displays the estimated value saving window.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Indicates unused switches for base screen switching.
7. Switches to the previously opened screen.
8. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
9. Opens the [Language Setting] window.

Remarks

- If the [Save estimation] switch is touched before the estimation has been completed, "999" will be displayed as an indefinite value.
- The project script is used to select the monitoring target axis. In addition, the recipe function, device data transfer function, and screen script are used to save the estimated value. For the details on the recipe function, device data transfer function, and screen script, please refer to "5.6. Recipe List", "5.7 Device Data Transfer List", and "5.8 Script List", respectively.
- The recipe function and screen script are used to set the threshold value. For the details on the recipe function and screen script, please refer to "5.6. Recipe List" and "5.8 Script List", respectively.
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.31 Machine Diagnosis (Graph) (B-30107 to 30109)



Description

This screen is used to display the estimated value of the machine diagnosis with the graph.

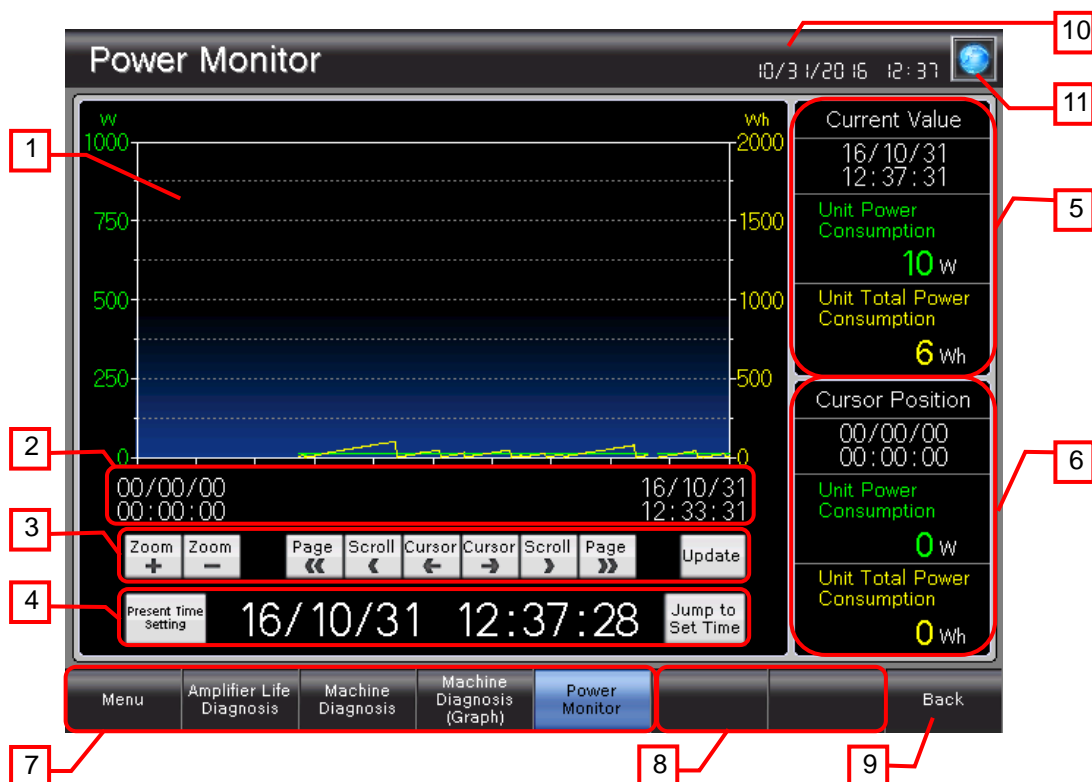
Description

- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Display or hide the line of the historical trend graph.
- Shows the estimated value and cursor value of the parameter. The estimated value is displayed after the estimation of the machine diagnosis is completed.
- Displays the end position time of the historical trend graph.
- Performs the historical trend graph.
 - Zoom + : Enlarges (twice) the time axis using the axis of new data as the reference.
 - Zoom - : Reduces (half) the time axis using the axis of new data as the reference.
 - Page << : Moves the graph left in units of page.
 - Scroll < : Moves the graph left.
 - Cursor < : Displays the cursor, and moves the cursor to the earlier data.
 - Cursor > : Displays the cursor, and moves the cursor to the later data.
 - Scroll > : Moves the graph right.
 - Page >> : Moves the graph right in units of page.
 - Update : Clears the cursor, and displays the latest data.
- Displays the estimated value in the historical trend graph. The estimated value is displayed in the same color as [Estimated Value] and [Cursor Value] shown in the upper part of the screen. When the graph is touched, a cursor is displayed. Flicking the graph scrolls the displayed contents to left and right. Pinching in and out the graph horizontally zooms out and in the graph with reference to the time axis.
- Displays the beginning position time of the historical trend graph.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Indicates unused switches for base screen switching.
- Switches to the previously opened screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
- Opens the [Language Setting] window.

Remarks

- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.
- Logging is performed every hour after the estimation completion.
- The project script is used to display or hide the estimated value and to start logging. For more details on the script, please refer to "5.8 Script List".

5.3.32 Power Monitor (B-30111)



Outline

This screen is used to monitor the power consumption and total power consumption of the servo amplifier.

Description

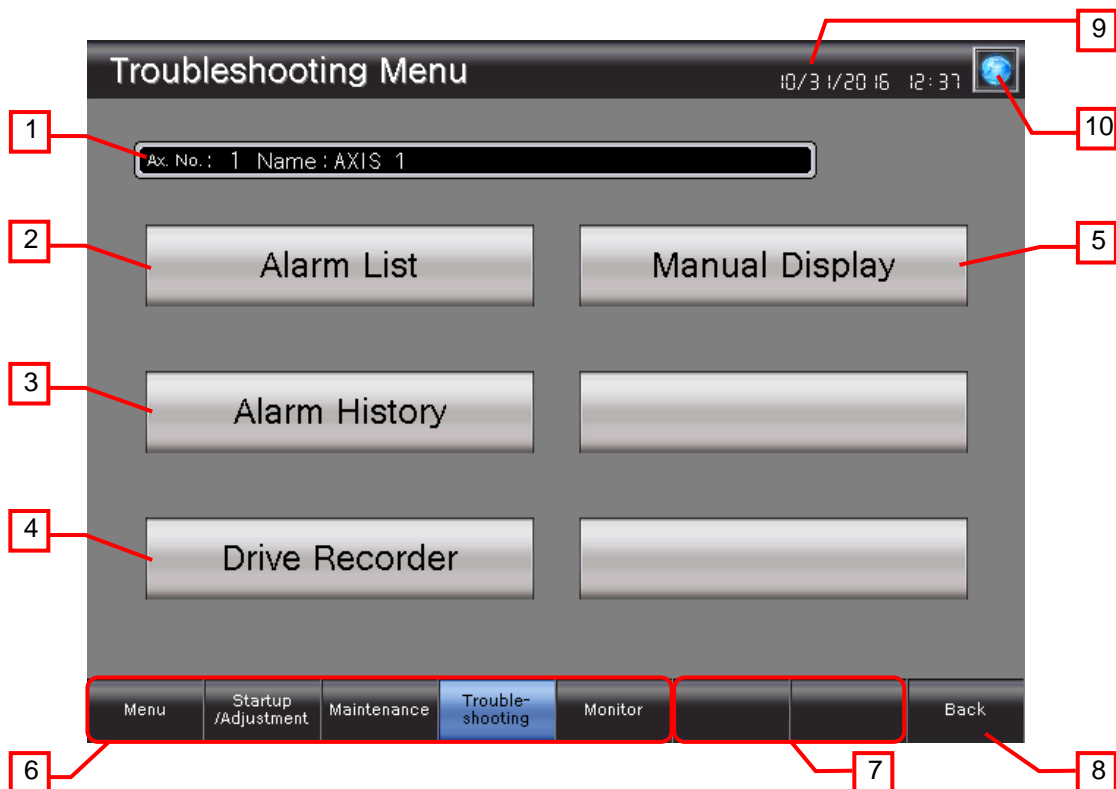
- Displays [Unit Power Consumption] and [Unit Total Power Consumption] in the historical trend graph. [Unit Power Consumption] is shown in a green line and [Unit Total Power Consumption] in a yellow line. When the graph is touched, a cursor is displayed. Flicking the graph scrolls the displayed contents to left and right. Pinching in and out the graph horizontally zooms out and in the graph with reference to the time axis.
- Displays the beginning position time and the end position time of the historical trend graph.
- Performs the historical trend graph.
 - Zoom + : Enlarges (twice) the time axis using the axis of new data as the reference.
 - Zoom - : Reduces (half) the time axis using the axis of new data as the reference.
 - Page << : Moves the graph left in units of page.
 - Scroll < : Moves the graph left.
 - Cursor < : Displays the cursor, and moves the cursor to the earlier data.
 - Cursor > : Displays the cursor, and moves the cursor to the later data.
 - Scroll > : Moves the graph right.
 - Page >> : Moves the graph right in units of page.
 - Update : Clears the cursor, and displays the latest data.
- Enter the date and time, and touch the [Jump to Set Time] switch to display the graph of which the set time is located in the middle. The present date and time will be displayed at the first display of the screen. By touching the [Present Time Setting] switch, the present time will be displayed in Date/Time information.
- Displays the current date and time, and the current value of [Unit Power Consumption] and [Unit Total Power Consumption].
- Displays the date, time, [Unit Power Consumption] and [Unit Total Power Consumption] at the position where the cursor is located in the graph.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Indicates unused switches for base screen switching.
- Switches to the previously opened screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.

11. Opens the [Language Setting] window.

Remarks

- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.
- In Date/Time information in [4], the screen script has been set to display the present date and time. For more details on the script, please refer to "5.8 Script List".

5.3.33 Troubleshooting Menu (B-30201)



Outline

This screen shows the menu for troubleshooting.

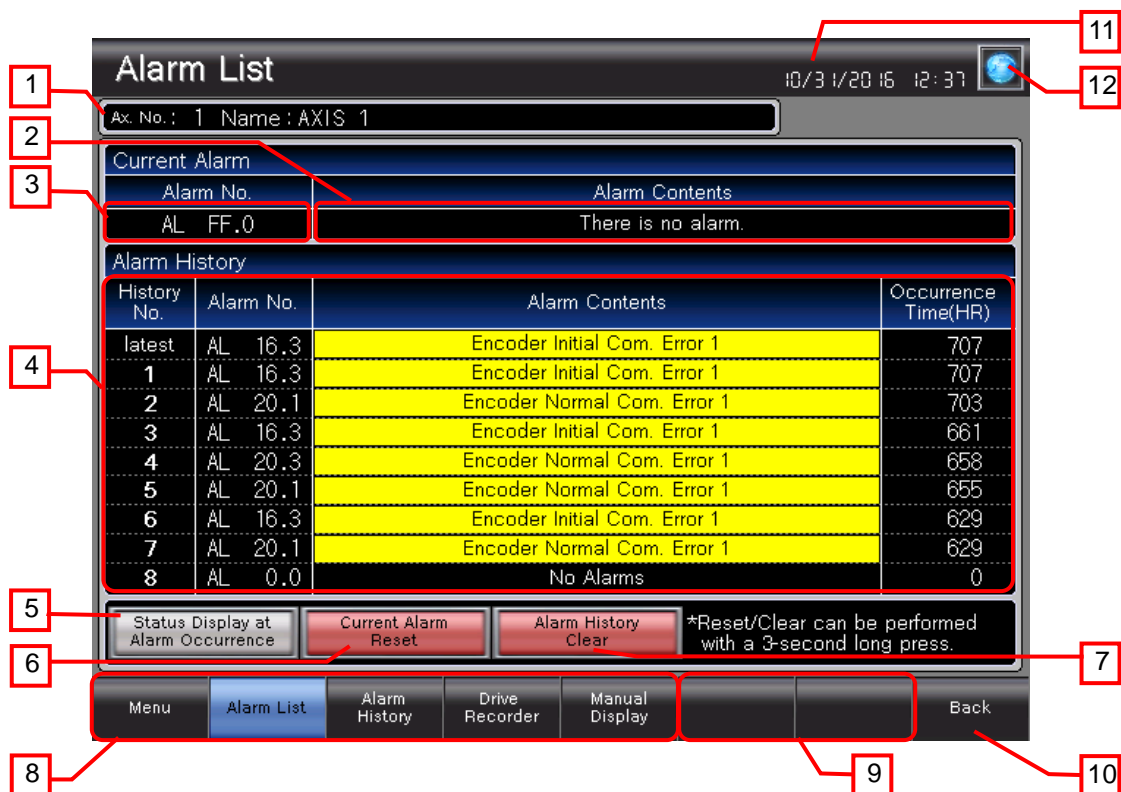
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [Alarm List] screen.
3. Switches to the [Alarm History] screen.
4. Displays the screen of the drive recorder of the extended function.
5. Switches to the [Manual Display] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
7. Indicates unused switches for base screen switching.
8. Switches to the previously opened screen.
9. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
10. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.
- For the details on the drive recorder, please refer to "GOT2000 Series User's Manual (Monitor)".

5.3.34 Alarm List (B-30203)



Outline

This screen is used to display the alarms stored in a servo amplifier and to check the alarm history.

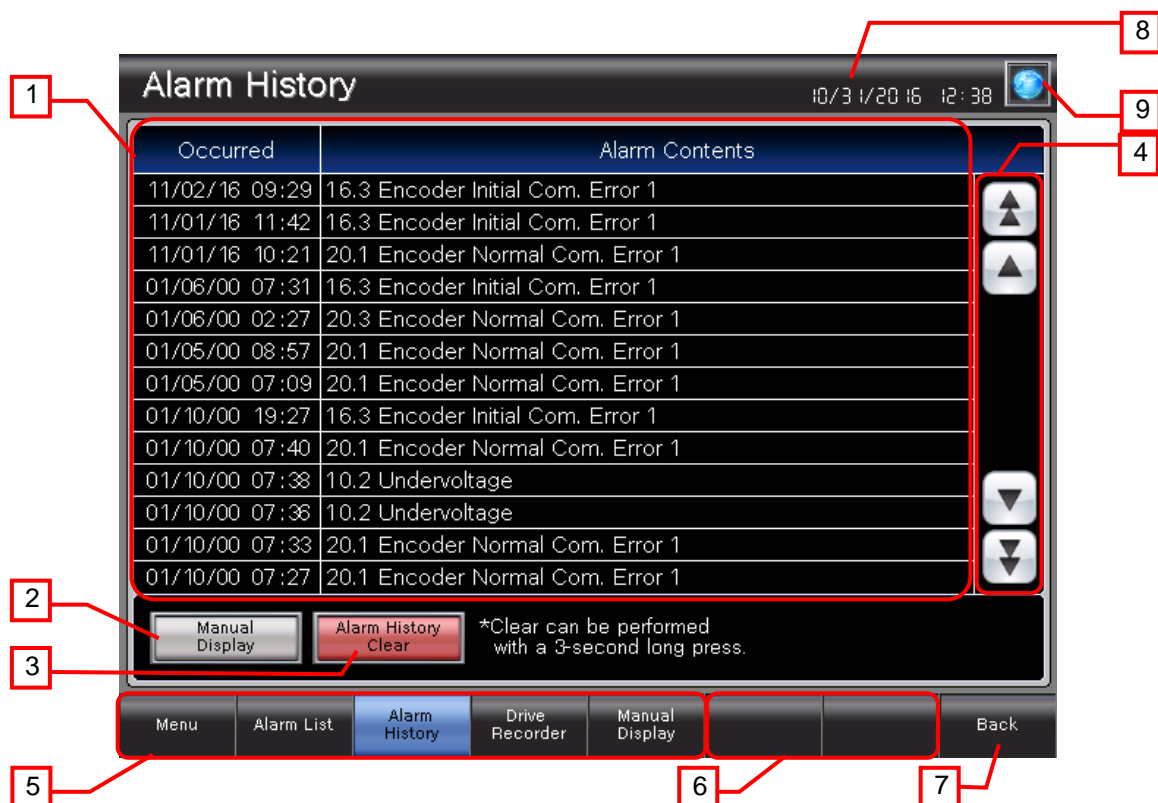
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays contents of the alarm that is currently occurring.
3. Displays a number of the alarm that is currently occurring.
4. Displays the previous alarms that occurred in the past.
Nine previous alarms including the latest alarm (that occurred most recently) are displayed.
5. Displays the alarm occurrence status window.
6. Resets the current alarm with a 3-second long press.
7. Clears the alarm history with a 3-second long press.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
9. Indicates unused switches for base screen switching.
10. Switches to the previously opened screen.
11. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
12. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- In the switch shown in [8], the project script has been set to specify the initially-displayed page. For more details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.
- For the details on the drive recorder, please refer to "GOT2000 Series User's Manual (Monitor)".

5.3.35 Alarm History (B-30205)



Outline

This screen is used to display the alarms of the servo amplifier that are collected with the GOT alarm function.

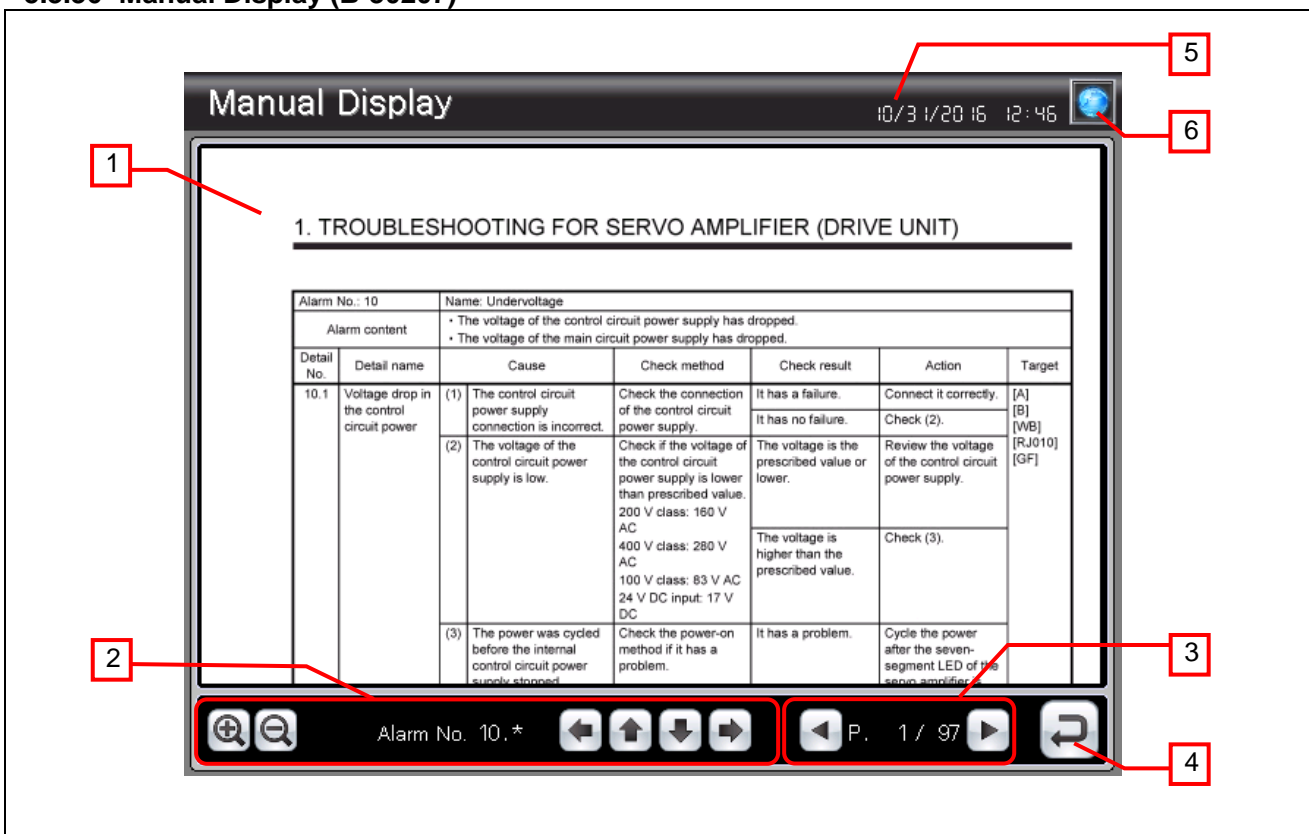
Description

- Displays the alarm information.
 Occurred: Displays the GOT time data at the alarm occurrence.
 Alarm Contents: Displays the current alarm in red and the alarms recovered from in white.
 When the GOT is turned off and then on while the alarm is occurring, the current alarm before the GOT turned on will be recovered and a new alarm will be added.
 (The alarm will not be added if it was already recovered when the GOT turned on.)
- Switches to the [Manual Display] screen.
- Deletes all the alarm information with a 3-second long press.
- Operates the alarm information.
 : Scrolls the page up and down.
 : Scrolls up and down by row.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Indicates unused switches for base screen switching.
- Switches to the previously opened screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
- Opens the [Language Setting] window.

Remarks

- In the switch shown in [2], the project script has been set to specify the initially-displayed page. For more details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.
- For the details on the drive recorder, please refer to "GOT2000 Series User's Manual (Monitor)".

5.3.36 Manual Display (B-30207)



Outline

This screen is used to display troubleshooting for servo amplifier corresponding to the selected language.

Description

- Displays a document with document ID 204 to 206 according to the selected language. When the [Manual Display] screen is initially opened, it displays page 1.
Touch the document to operate.
Flick: Scroll the document to 8 directions.
Switch the page when the left and right edges are displayed on the screen.
- Operates a displayed document.
 : Enlarges or reduces the displayed document.
 : Scrolls the document to left and right.
 : Scrolls the displayed document up and down.
 Alarm No. : Jumps to the page that shows the alarm information for the entered alarm number.
- Operates a displayed page of a document.
 : Displays a number of the currently displayed page. Touch the page number to change it.
 : Switches to a previous page or next page of the document.
- Switches to the previously opened screen.
- Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
- Opens the [Language Setting] window.

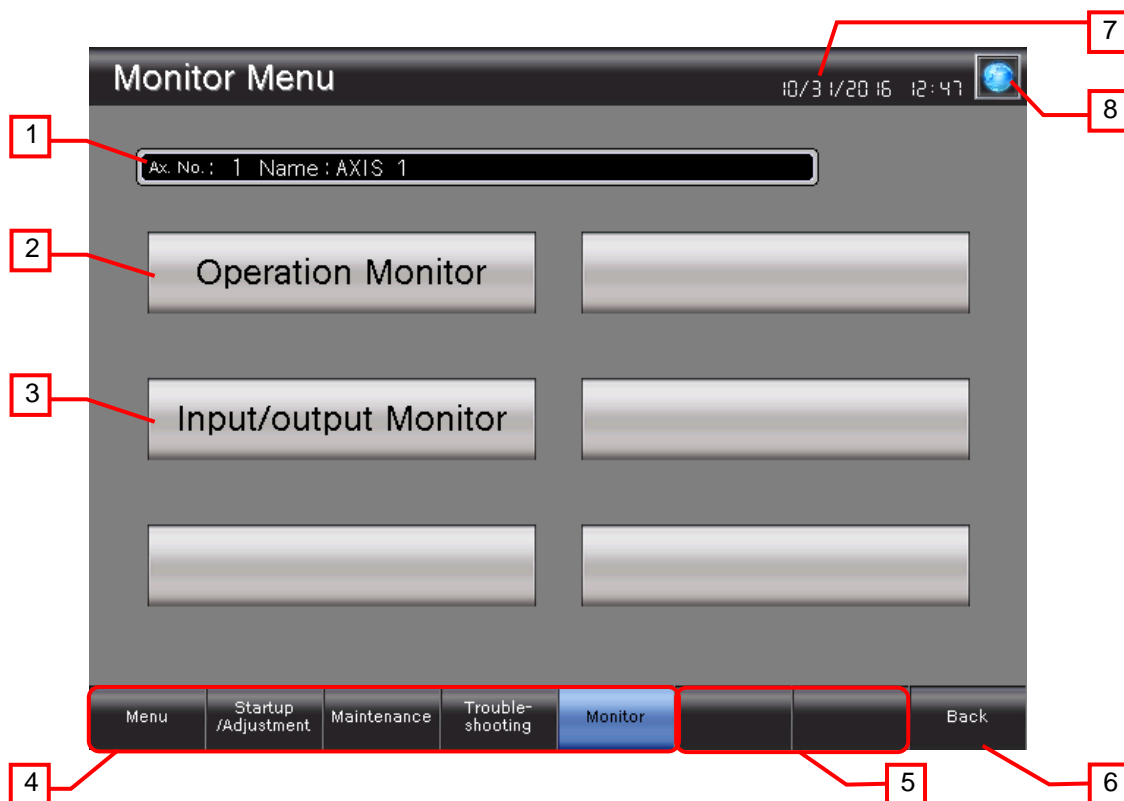
Remarks

- The language of the document displayed on the [Manual Display] screen is switched in accordance with the display language. The table below shows the relation of the column No. in the comment group, language, and document ID.

Column No. in comment group	Language	Document ID
1	English	204
2	Japanese	205
3	Chinese (Simplified)	206

- At GOT startup, the project script works to set the document page No. to "1" and the Document ID to "204". For the details on the script, please refer to "5.8 Script List".
- In the numerical input shown in [2], the object script is set to specify a document page to be displayed. In addition, the object script is used to set the page forward switch not to exceed the total page number of the document. For the details on the script, please refer to "5.8 Script List".
- For the document data for manual display, the document data can be downloaded from the sample screens on MITSUBISHI ELECTRIC FA Global Website. For how to use the document data, please refer to "6. Manual Display".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.37 Monitor Menu (B-30301)



Outline

This screen shows the menu for monitors.

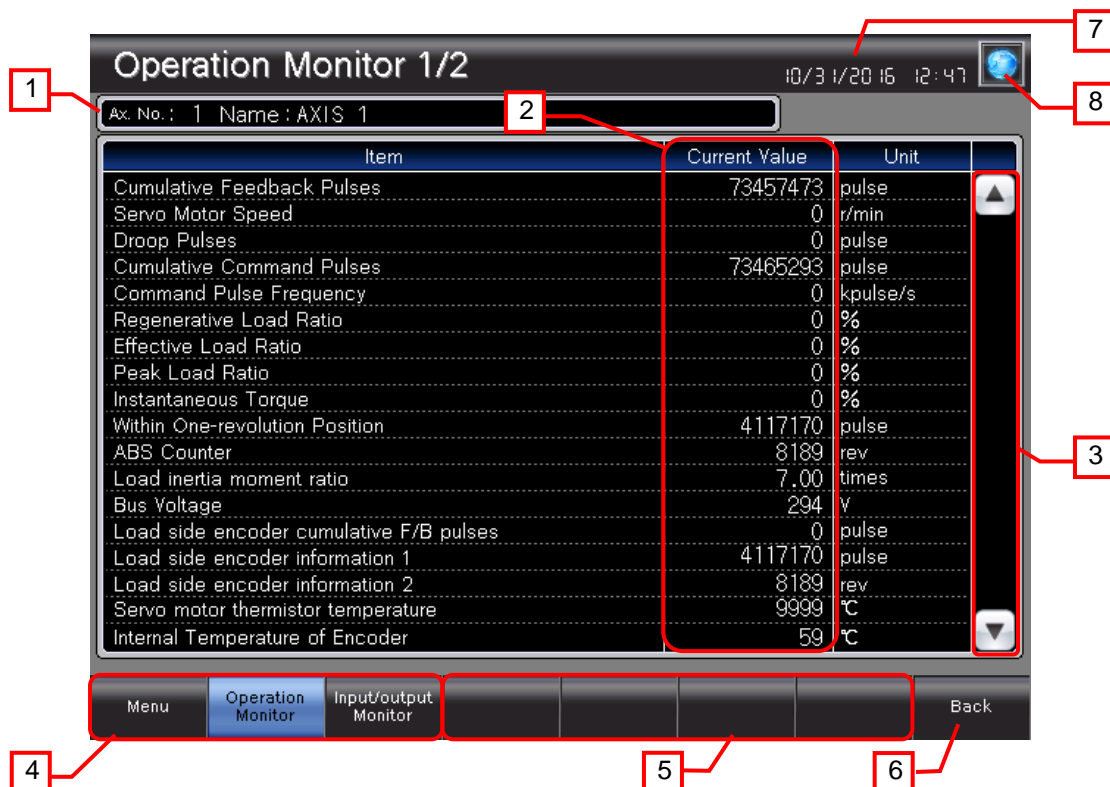
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches to the [Operation monitor] screen.
3. Switches to the [Input/output Monitor] screen.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Indicates unused switches for base screen switching.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.38 Operation Monitor (B-30303 to 30304)



Outline

This screen is used to display the status of the servo amplifier in operation.

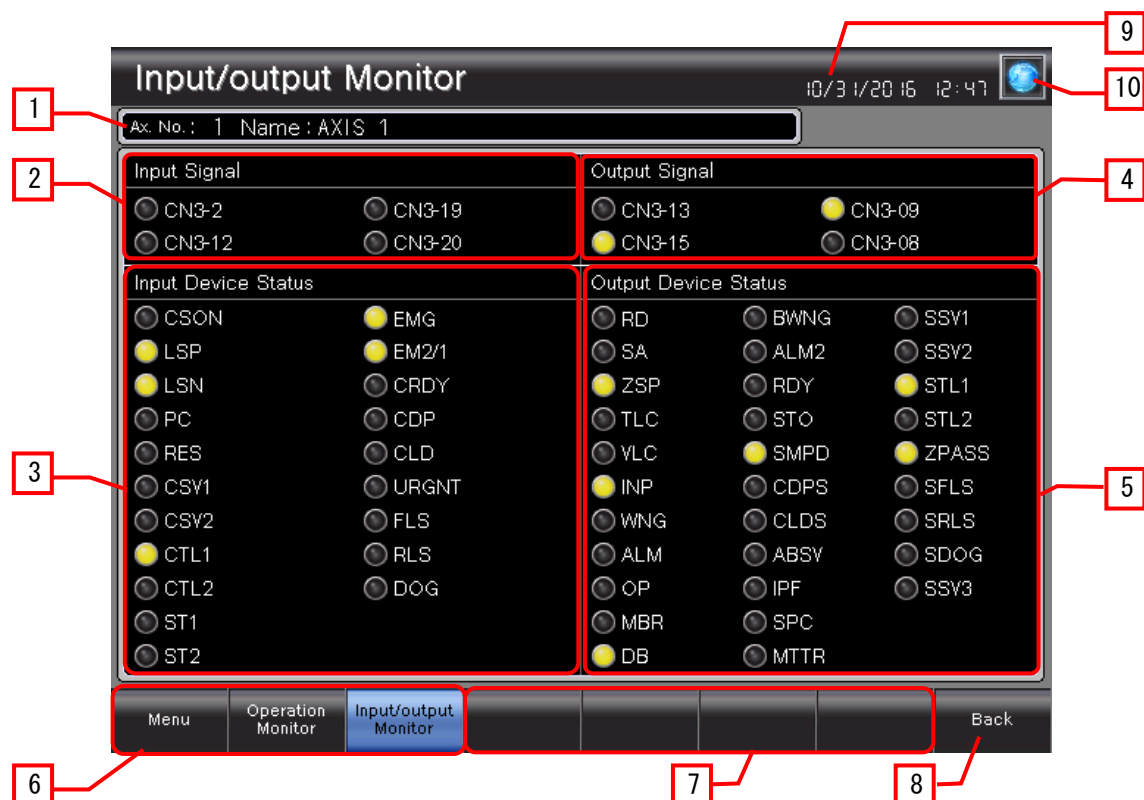
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the current value for the item.
3. Scrolls the screen to view all the displayed items of operation monitor.
4. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
5. Indicates unused switches for base screen switching.
6. Switches to the previously opened screen.
7. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
8. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. For the details on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.39 Input/output Monitor (B-30305)



Outline

This screen is used to display the status of the input/output signal.

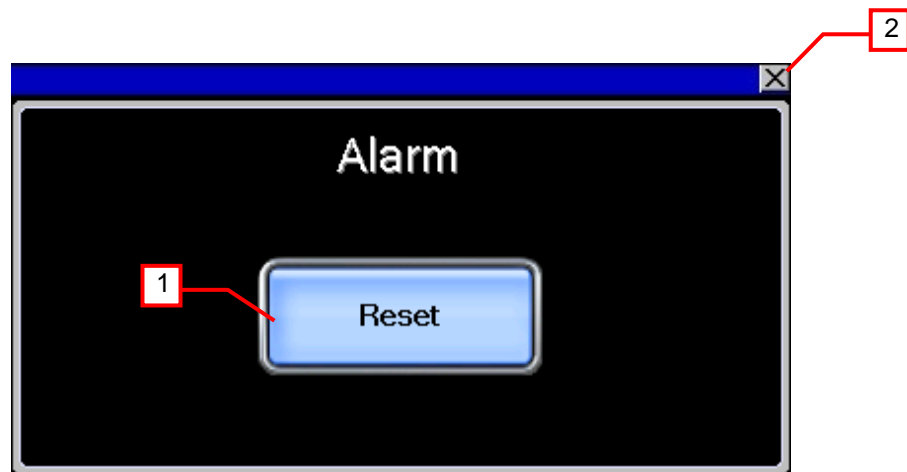
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the status of the input signal.
3. Displays the status of the input device.
4. Displays the status of the output signal.
5. Displays the status of the output device.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
7. Indicates unused switches for base screen switching.
8. Switches to the previously opened screen.
9. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
10. Opens the [Language Setting] window.

Remarks

- The project script is used to select the monitoring target axis. In addition, the screen script is used to read the input/output device. For the detail on the script, please refer to "5.8 Script List".
- When a system alarm occurs, the alarm message will appear at the lower portion of the screen. Touching the left end of the message changes the display position of the message in the order of upper, center, and lower. Touching the other part of the message displays the [Alarm Reset] window.

5.3.40 Alarm Reset (W-30001)



Outline

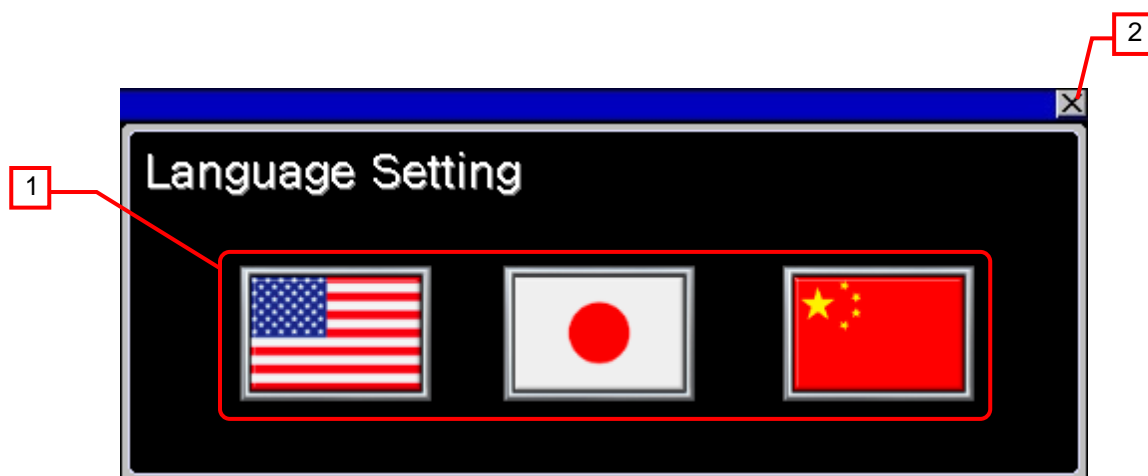
This screen is used to reset system alarms.

Description

1. Resets the system alarm and closes the window screen in one second.
2. Closes the window screen.

Remarks

5.3.41 Language Setting (W-30002)



Outline

This screen is used to select the language displayed on the GOT.

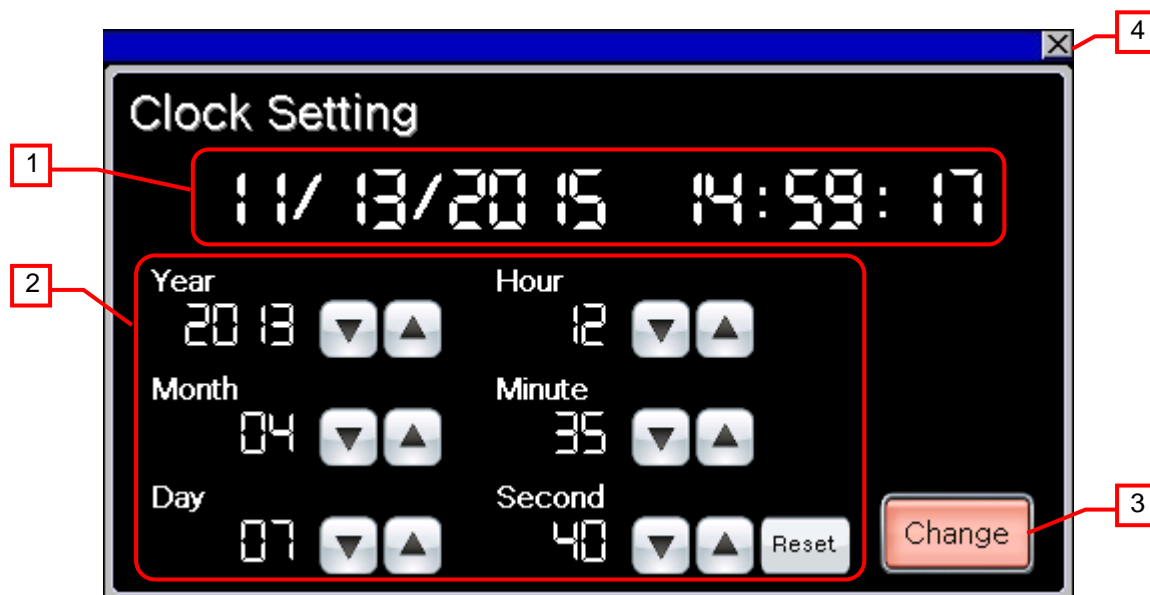
Description

1. Switches the display language between three languages and closes the window screen.
2. Closes the window screen.

Remarks

- The system language and the document ID for manual display will be switched as well as the display language when the language switching is performed.

5.3.42 Clock Setting (W-30003)



Outline

This screen is used to change the GOT clock data.

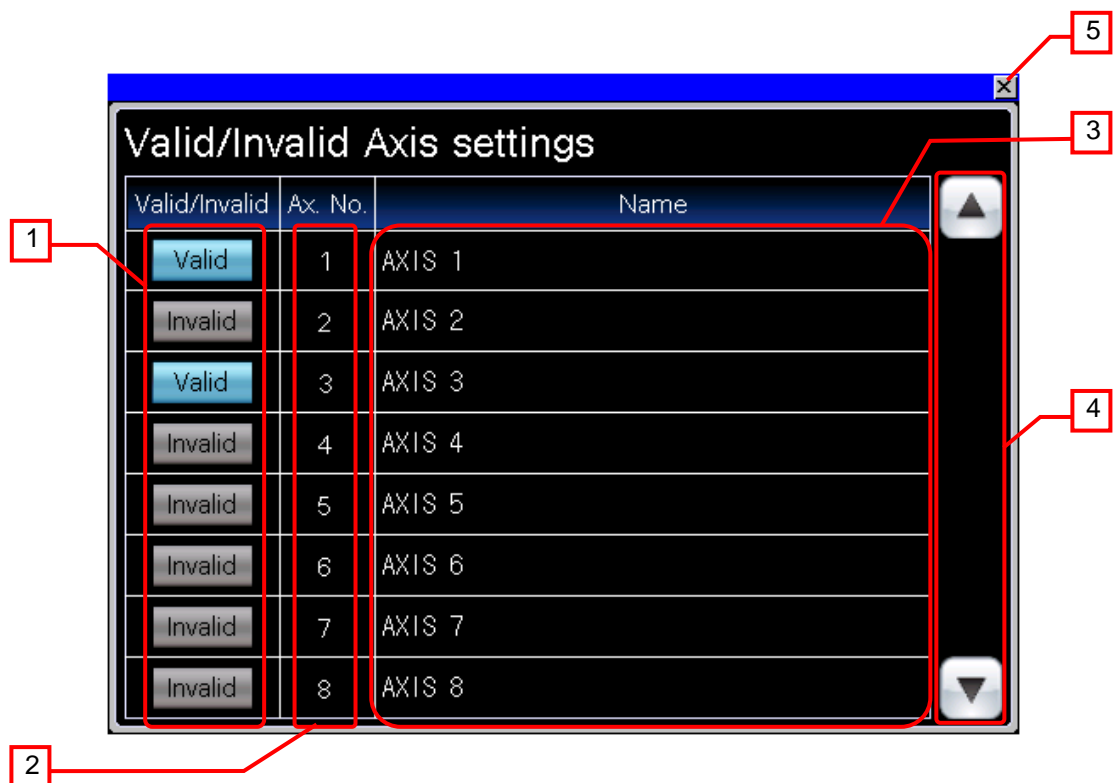
Description

1. Displays the current date and time.
2. Change the date and time with switches. Holding down switches increases or decreases the numbers consecutively. The [Reset] switch resets the second.
3. Updates the GOT clock data with the newly set date and time and closes the window screen in one second.
4. Closes the window screen.

Remarks

- The default value for the clock data is shown when the window screen is opened.
- The object script is used to display the values of Year, Month, Day, Hour, Minute, and Second. For the details on the script, please refer to "5.8 Script List".

5.3.43 Valid/Invalid Axis settings (W-30008)



Outline

Set the valid/invalid axis and the name of valid station.

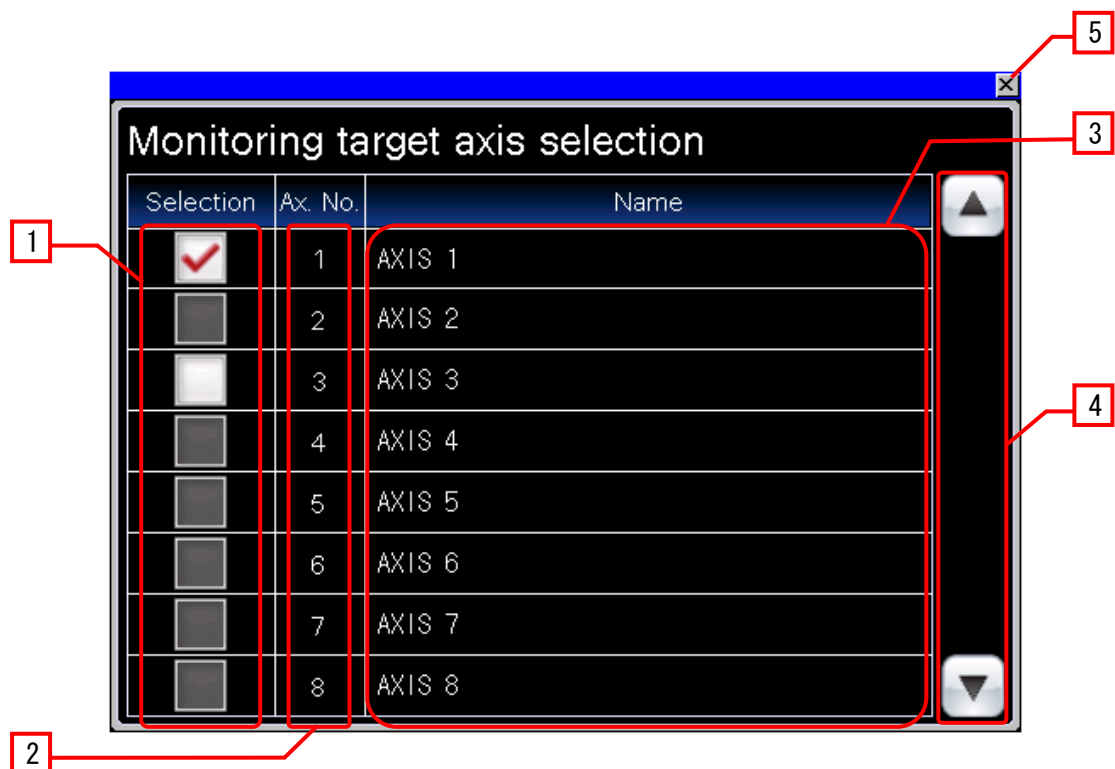
Description

1. Set valid/invalid.
Valid: Enables the axis to be selected on the GOT.
Invalid: Disables the axis to be selected on the GOT.
2. Display the Axis No.
3. Sets names. Only valid axes can be set.
4. Scrolls up/down the Valid/invalid axis screen. Display changes by 8 lines.
5. Closes the window.

Remarks

- If Japanese kana is used for [Name], the characters get garbled after language switching to English.

5.3.44 Axis Selection (W-30009)



Outline

Select an axis to be monitored.

Description

1. Select an axis to be monitored. Only valid axis can be selected to close the window.
2. Displays the axis No.
3. Displays the name.
4. Scrolls up/down the Axis Selection screen. Display changes by 8 lines.
5. Closes the windows.

Remarks

- Selected axis No. becomes GOT's target monitor axis.

5.3.45 Alarm Occurrence Status (W-30011 to 30012)

The screenshot shows a window titled 'Alarm Occurrence Status' with a close button (X) in the top right corner. The window contains a table with three columns: 'Item', 'Current Value', and 'Unit'. The table lists various alarm parameters and their current values. A red box labeled '1' highlights the 'Current Value' column. A red box labeled '2' highlights the vertical scrollbar on the right side of the table. A red box labeled '3' highlights the close button (X) in the top right corner of the window.

Item	Current Value	Unit
Cumulative Feedback Pulses	0	pulse
Servo Motor Speed	0	r/min
Droop Pulses	0	pulse
Cumulative Command Pulses	0	pulse
Command Pulse Frequency	0	kpulse/s
Regenerative Load Ratio	0	%
Effective Load Ratio	0	%
Peak Load Ratio	0	%
Instantaneous Torque	0	%
Within One-revolution Position	0	pulse
ABS Counter	0	rev
Load inertia moment ratio	0.00	times
Bus Voltage	0	V

Outline

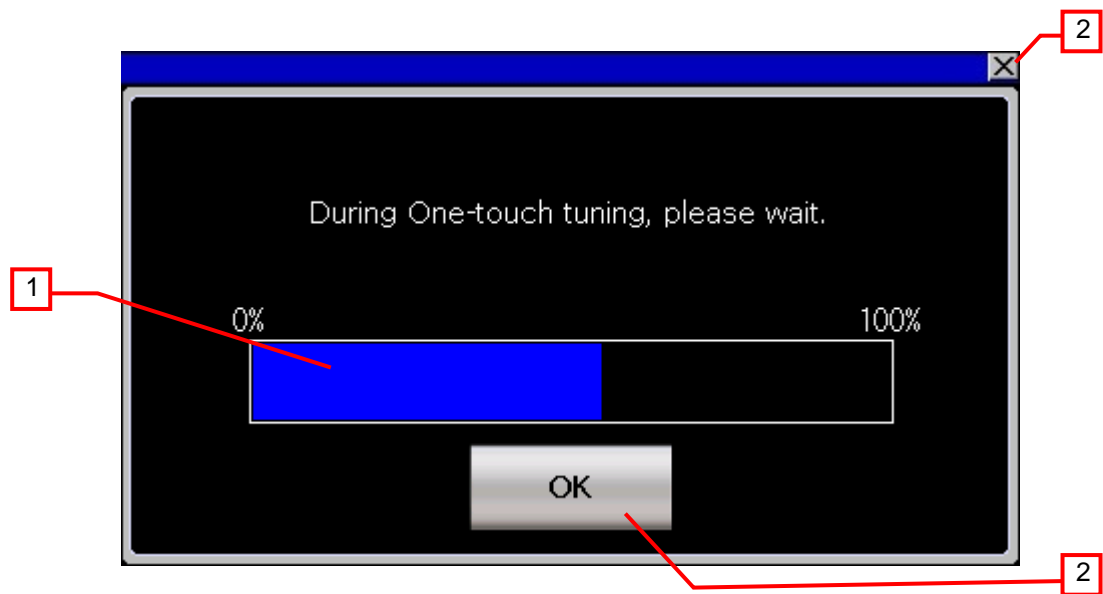
This screen is used to indicate the status in which the alarm has occurred.

Description

1. Displays the current value which indicates the status in which the alarm has occurred.
2. Scrolls the screen to view all the displayed items.
3. Closes the window screen.

Remarks

5.3.46 One-touch tuning progress (W-30013)



Outline

This screen is used to indicate the progress of the one-touch tuning.

Description

1. Indicates the progress of the one-touch tuning.
2. Closes the window screen.

Remarks

5.3.47 Threshold Value Setting (W-30015)

Friction estimation				
		Current Value	Threshold value	Unit
Friction torque at rated speed in positive direction		1234.5	1234.5	%
Coulomb friction torque in positive direction		1234.5	1234.5	%
Coulomb friction torque in negative direction		1234.5	1234.5	%
Friction torque at rated speed in negative direction		1234.5	1234.5	%

Vibration estimation				
		Current Value	Threshold value	Unit
Motor is operating	Oscillation frequency	123456	123456	Hz
	Vibration level	1234.5	1234.5	%
Motor is stopped	Oscillation frequency	123456	123456	Hz
	Vibration level	1234.5	1234.5	%

Cancel Set

Outline

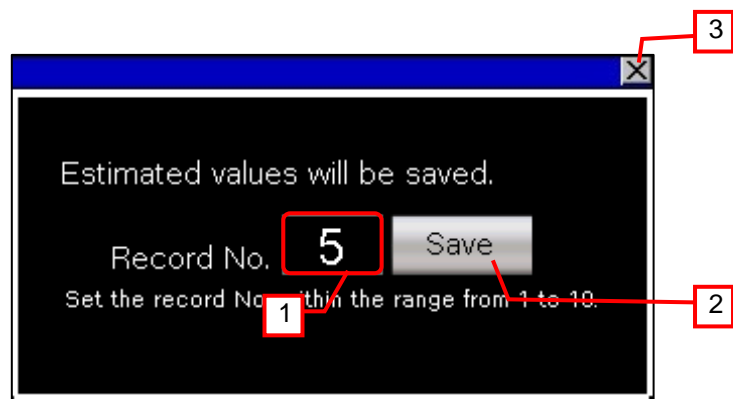
This screen is used to set threshold values for machine diagnosis.

Description

1. Displays the current values.
2. Displays the threshold values. Touch the values to change them.
3. Closes the window screen without saving the threshold values in the recipe.
4. Saves the threshold values in the recipe, and the window screen is closed.
5. Closes the window screen.

Remarks

5.3.48 Estimated Value Saving (W-30017)



Outline

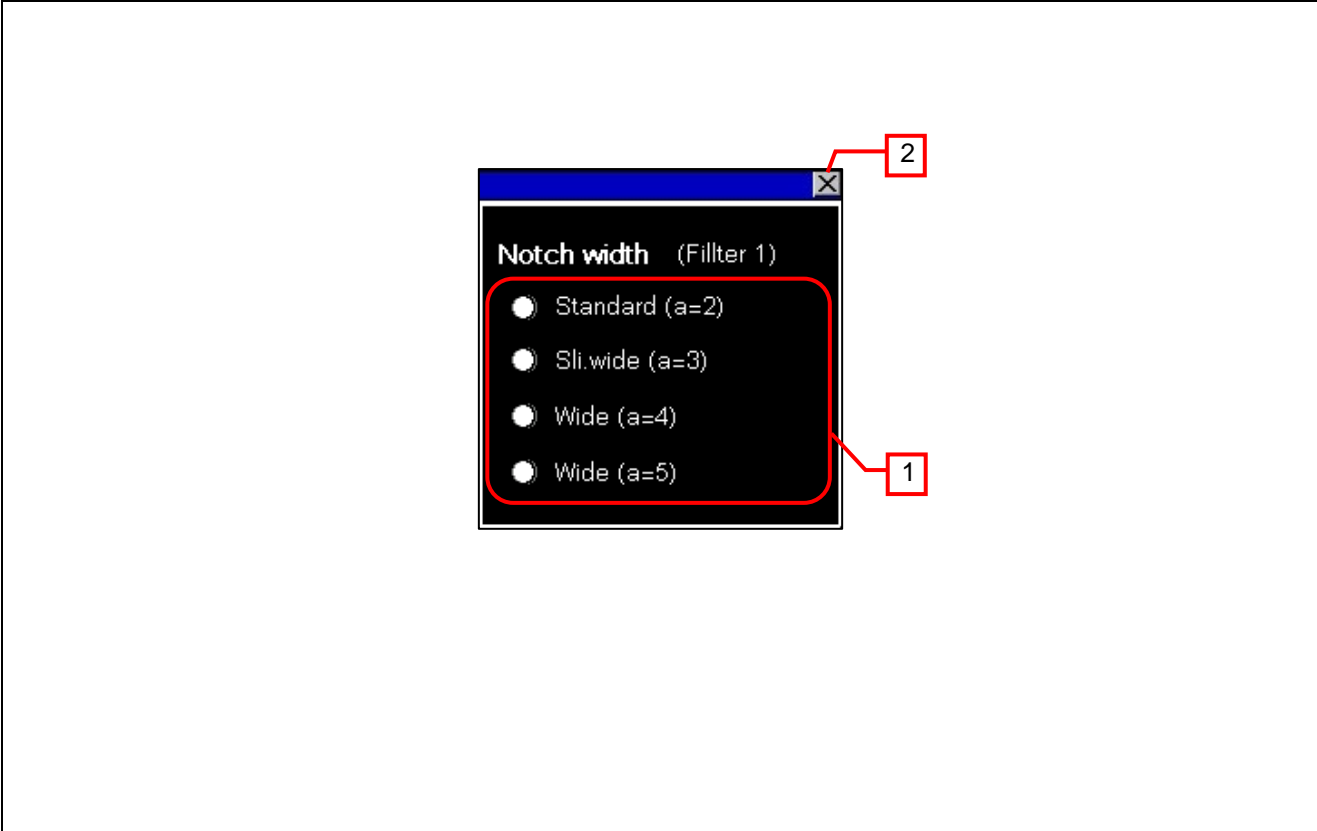
This screen is used to save estimated values for machine diagnosis.

Description

1. Set the record No. for which the estimated values are saved.
2. Saves the estimated values in the recipe, and the window screen is closed.
3. Closes the window screen.

Remarks

5.3.49 Filter 1 to 5 Notch width (W-30020, W-30022, W-30024, W-30026, W-30028)



Outline

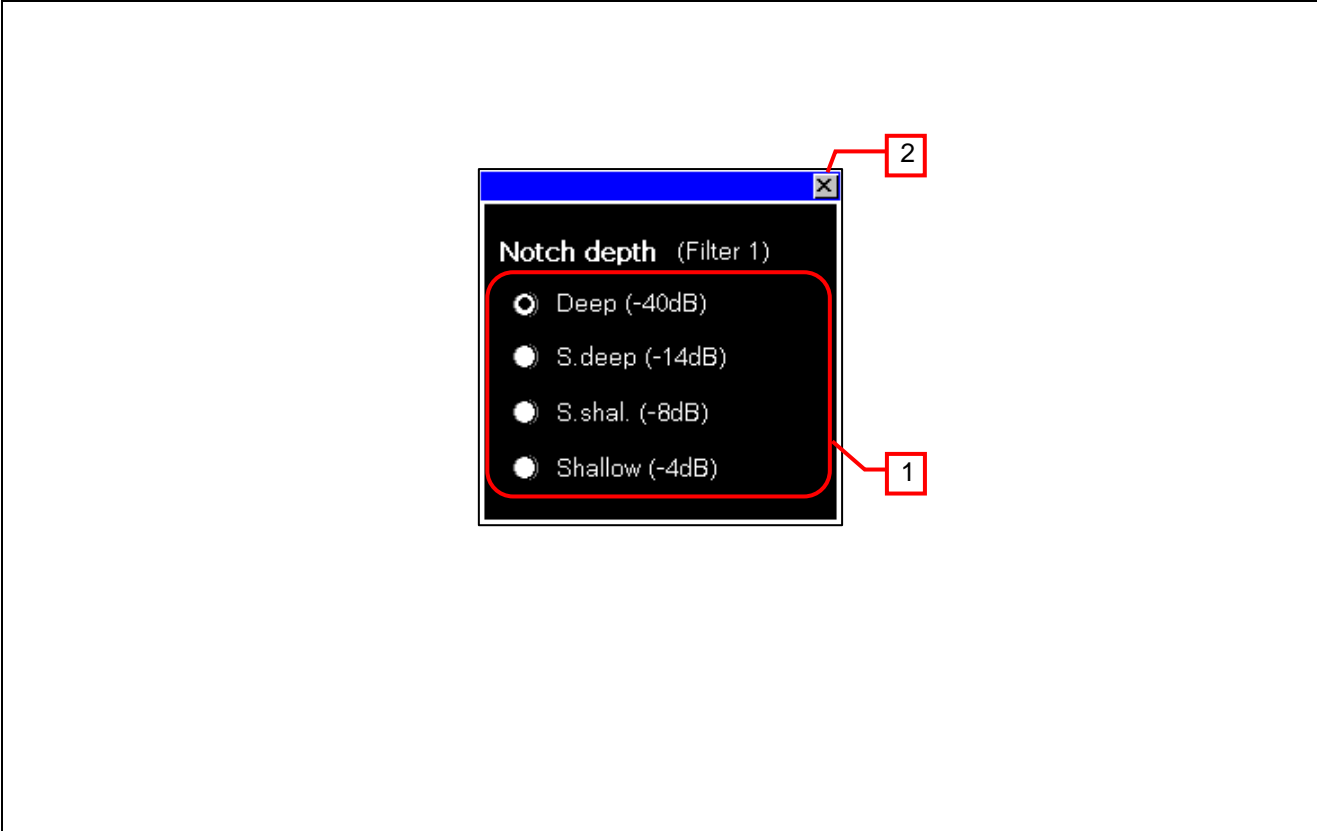
This screen is used to set the notch width for machine resonance suppression filter.

Description

- 1. Touch a radio button to set the notch width, and the window screen is closed.
- 2. Closes the window screen.

Remarks

5.3.50 Filter 1 to 5 Notch depth (W-30021, W-30023, W-30025, W-30027, W-30029)



Outline

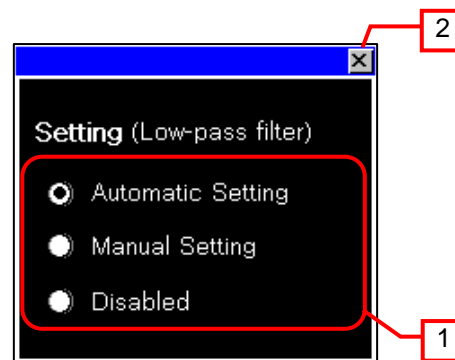
This screen is used to set the notch depth for machine resonance suppression filter.

Description

- 1. Touch a radio button to set the notch depth, and the window screen is closed.
- 2. Closes the window screen.

Remarks

5.3.51 Low-pass filter Setting (W-30030)



Outline

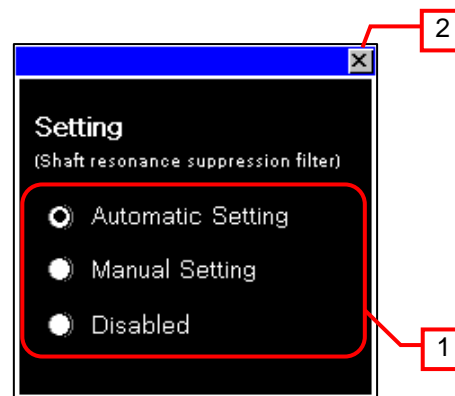
This screen is used to change the low-pass filter setting.

Description

1. Touch a radio button to change the low-pass filter setting, and the window screen is closed.
2. Closes the window screen.

Remarks

5.3.52 Shaft Res.Supp.Filter Setting (W-30031)



Outline

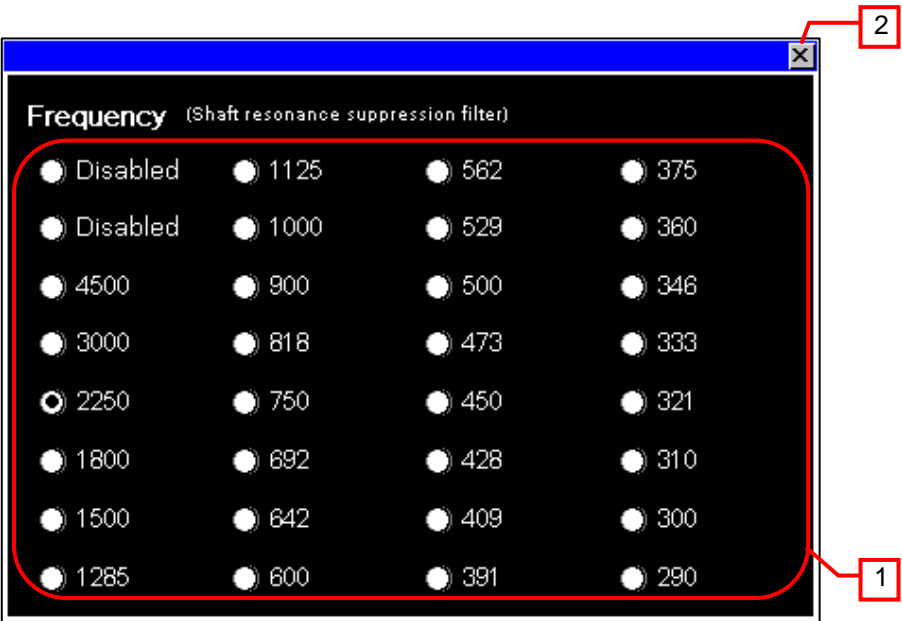
This screen is used to change the shaft resonance suppression filter setting.

Description

1. Touch a radio button to change the shaft resonance suppression filter setting, and the window screen is closed.
2. Closes the window screen.

Remarks

5.3.53 Shaft Res.Supp.Filter Frequency (W-30032)



Outline

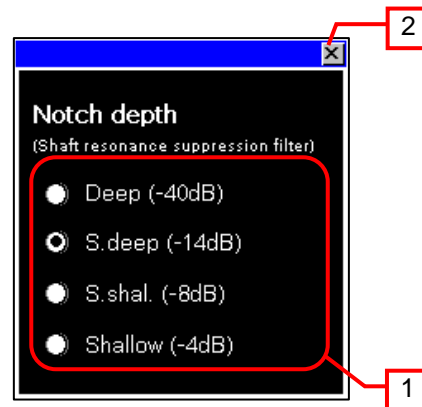
This screen is used to set the frequency of the shaft resonance suppression filter.

Description

1. Touch a radio button to set the frequency, and the window screen is closed.
2. Closes the window screen.

Remarks

5.3.54 Shaft Res.Supp.Filter Notch depth (W-30033)



Outline

This screen is used to set the notch depth for shaft resonance suppression filter.

Description

1. Touch a radio button to set the notch width, and the window screen is closed.
2. Closes the window screen.

Remarks

5.3.55 Status display (W-30101 to 30102)

Cumulative Feedback Pulses	-77	pulse
Servo Motor Speed	0	r/min
Droop Pulses	0	pulse
Cumulative Command Pulses	-71	pulse
Command Pulse Frequency	0	kpulse/s
Regenerative Load Ratio	0	%
Effective Load Ratio	0	%
Peak Load Ratio	0	%
Instantaneous Torque	0	%
Within One-revolution Position	2724953	pulse
ABS Counter	16090	rev
Load inertia moment ratio	7.00	times

1

Outline

This screen is used to display the status of the servo amplifier.

Description

1. Displays the current value for the item.

Remarks

5.4 Device List

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

5.4.1 Controller devices

Type	Device No.	Application
Bit	SP1	Current alarm clear
	SP2	Alarm history clear
	OM0	Normal mode (Test operation mode clear)
	OM1	JOG operation
	OM2	Positioning operation
	OM4	Output signal (DO) forced output
	TMB1	Stop command
	TMB2	Start command
	TMB3	Positioning direction selection (Fwd. Rot.)
	TMB4	Positioning direction selection (Rev. Rot.)
	TMB5	Restart
	TMB6	Clear
	OTI0	One-touch tuning (Basic mode)
	OTI1	One-touch tuning (High mode)
	OTI2	One-touch tuning (Low mode)
	OTI4	One-touch tuning (Reset to the initial value)
	OTI5	One-touch tuning (Reset before adjusting)
Word	PA01, PA1001	Operation mode
	PA02, PA1002	Regenerative option
	PA03, PA1003	Absolute position detection system
	PA04, PA1004	Function selection A-1
	PA08, PA1008	Auto tuning mode
	PA09, PA1009	Auto tuning response
	PA10, PA1010	In-position range
	PA14, PA1014	Rotation direction selection
	PA15, PA1015	Encoder output pulses
	PA16, PA1016	Encoder output pulses 2
	PA17, PA1017	Servo motor series setting
	PA18, PA1018	Servo motor type setting
	PA19, PA1019	Parameter write inhibit
	PA20, PA1020	Tough drive setting
	PA21, PA1021	Function selection A-3
	PA22, PA1022	Position control structure selection
	PA23, PA1023	Drive recorder arbitrary alarm trigger setting
	PA24, PA1024	Function selection A-4
	PA25, PA1025	One-touch tuning: Overshoot permissible level
	PA26, PA1026	Function selection A-5
	PB01, PB1001	Adaptive tuning mode (Adaptive filter II)
	PB02, PB1002	Vibration suppression control tuning mode (Adv. vib. supp. ctrl. II)
	PB03, PB1003	Torque feedback loop gain
	PB04, PB1004	Feed forward gain
	PB06, PB1006	Load to motor inertia ratio
	PB07, PB1007	Model control gain
	PB08, PB1008	Position control gain
	PB09, PB1009	Speed control gain
	PB10, PB1010	Speed integral compensation
	PB11, PB1011	Speed differential compensation
	PB12, PB1012	Overshoot amount compensation
	PB13, PB1013	Machine resonance suppression filter 1
	PB14, PB1014	Notch shape selection 1
	PB15, PB1015	Machine resonance suppression filter 2
	PB16, PB1016	Notch shape selection 2
	PB17, PB1017	Shaft resonance suppression filter

Type	Device No.	Application
Word	PB18, PB1018	Low-pass filter setting
	PB19, PB1019	Vibration suppression control 1 - Vibration frequency
	PB20, PB1020	Vibration suppression control 1 - Resonance frequency
	PB21, PB1021	Vibration suppression control 1 - Vibration frequency damping
	PB22, PB1022	Vibration suppression control 1 - Resonance frequency damping
	PB23, PB1023	Low-pass filter selection
	PB24, PB1024	Slight vibration suppression control
	PB25, PB1025	Function selection B-1
	PB26, PB1026	Gain switching function
	PB27, PB1027	Gain switching condition
	PB28, PB1028	Gain switching time constant
	PB29, PB1029	Load to motor inertia ratio after gain switching
	PB30, PB1030	Position loop gain after gain switching
	PB31, PB1031	Speed loop gain after gain switching
	PB32, PB1032	Speed integral compensation after gain switching
	PB33, PB1033	Vibration suppression control 1 - Vibration frequency after gain switching
	PB34, PB1034	Vibration suppression control 1 - Resonance frequency after gain switching
	PB35, PB1035	Vibration suppression control 1 - Vibration frequency damping after gain switching
	PB36, PB1036	Vibration suppression control 1 - Resonance frequency damping after gain switching
	PB45, PB1045	Command notch filter
	PB46, PB1046	Machine resonance suppression filter 3
	PB47, PB1047	Notch shape selection 3
	PB48, PB1048	Machine resonance suppression filter 4
	PB49, PB1049	Notch shape selection 4
	PB50, PB1050	Machine resonance suppression filter 5
	PB51, PB1051	Notch shape selection 5
	PB52, PB1052	Vibration suppression control 2 - Vibration frequency
	PB53, PB1053	Vibration suppression control 2 - Resonance frequency
	PB54, PB1054	Vibration suppression control 2 - Vibration frequency damping
	PB55, PB1055	Vibration suppression control 2 - Resonance frequency damping
	PB56, PB1056	Vibration suppression control 2 - Vibration frequency after gain switching
	PB57, PB1057	Vibration suppression control 2 - Resonance frequency after gain switching
	PB58, PB1058	Vibration suppression control 2 - Vibration frequency damping after gain switching
	PB59, PB1059	Vibration suppression control 2 - Resonance frequency damping after gain switching
	PB60, PB1060	Model loop gain after gain switching
	PC01, PC1001	Error excessive alarm level
	PC02, PC1002	Electromagnetic brake sequence output
	PC03, PC1003	Encoder output pulse selection
	PC04, PC1004	Function selection C-1
	PC05, PC1005	Function selection C-2
	PC06, PC1006	Function selection C-3
	PC07, PC1007	Zero speed
	PC08, PC1008	Overspeed alarm detection level
	PC09, PC1009	Analog Monitor 1 Output
	PC10, PC1010	Analog Monitor 2 Output
	PC11, PC1011	Analog monitor 1 offset
	PC12, PC1012	Analog monitor 2 offset
	PC13, PC1013	Analog monitor - F/B position output standard data - Low
	PC14, PC1014	Analog monitor - F/B position output standard data - High
	PC17, PC1017	Function selection C-4
	PC18, PC1018	Function selection C-5
	PC20, PC1020	Function selection C-7
	PC21, PC1021	Alarm history clear
	PC24, PC1024	Forced stop deceleration time constant
	PC26, PC1026	Function selection C-8
	PC27, PC1027	Function selection C-9

Type	Device No.	Application
Word	PC29, PC1029	Function selection C-B
	PC31, PC1031	Vertical axis freefall prevention compensation amount
	PC38, PC1038	Error excessive warning level
	PD02, PD1002	Input signal auto ON selection 2
	PD07, PD1007	Output device selection 1
	PD08, PD1008	Output device selection 2
	PD09, PD1009	Output device selection 3
	PD11, PD1011	Input filter setting
	PD12, PD1012	Function selection D-1
	PD13, PD1013	Function selection D-2
	PD14, PD1014	Function selection D-3
	PD15, PD1015	Driver communication setting
	PD16, PD1016	Driver comm. - Master set - Transm. data sel. 1
	PD17, PD1017	Driver comm. - Master set - Transm. data sel. 2
	PD20, PD1020	Driver comm. - Slave set - Master ax. No. sel. 1
	PD30, PD1030	Master/slave opr. - Slave side torque cmd. coefficient
	PD31, PD1031	Master/slave opr. - Slave side spd. limit coefficient
	PD32, PD1032	Master/slave opr. - Slave side spd. limit adj. value
	PE01, PE1001	Fully closed loop function selection 1
	PE03, PE1003	Fully closed loop function selection 2
	PE04, PE1004	Fully closed loop ctrl. - F/B pls. elec. gear 1 - Numerator
	PE05, PE1005	Fully closed loop ctrl. - F/B pls. elec. gear 1 - Denominator
	PE06, PE1006	Fully closed loop ctrl. - Spd. dev. err. detection level
	PE07, PE1007	Fully closed loop ctrl. - Pos. dev. err. detection level
	PE08, PE1008	Fully closed loop dual feedback filter
	PE10, PE1010	Fully closed loop function selection 3
	PE34, PE1034	Fully closed loop ctrl. - F/B pls. elec. gear 2 - Numerator
	PE35, PE1035	Fully closed loop ctrl. - F/B pls. elec. gear 2 - Denominator
	PE41, PE1041	Function selection E-3
	PE44, PE1044	Lost motion positive side compen. value sel.
	PE45, PE1045	Lost motion negative side compen. value sel.
	PE46, PE1046	Lost motion filter setting
	PE47, PE1047	Torque offset
	PE48, PE1048	Lost motion compensation function selection
	PE49, PE1049	Lost motion compensation timing
	PE50, PE1050	Lost motion compensation dead zone
	PF02, PF1002	Function selection F-2
	PF03, PF1003	Function selection F-3
	PF06, PF1006	Function selection F-5
	PF07, PF1007	Function selection F-6
	PF12, PF1012	Electronic dynamic brake operating time
	PF18, PF1018	STO diagnostic error detection time
	PF21, PF1021	Drive recorder switching time setting
	PF23, PF1023	Vibration tough drive - Oscillation detection level
	PF24, PF1024	Vibration tough drive - Function selection
	PF25, PF1025	SEMI-F47 Func. - Inst power failure detection time
	PF31, PF1031	Machine diagnosis function - Friction judgment speed
	PL1, PL1001	Linear servo motor/DD motor function selection 1
	PL2, PL1002	Linear encoder resolution - Numerator
	PL3, PL1003	Linear encoder resolution - Denominator
	PL4, PL1004	Linear servo motor/DD motor function selection 2
	PL5, PL1005	Position deviation error detection level
	PL6, PL1006	Speed deviation error detection level
	PL7, PL1007	Torque/thrust deviation error detection level
	PL8, PL1008	Linear servo motor/DD motor function selection 3
	PL9, PL1009	Magnetic pole detection voltage level
	PL17, PL1017	Magnetic pole detection - Minute position detection method - Function selection
	PL18, PL1018	Magnetic pole detection - Minute position detection method - Identification signal amplitude

Type	Device No.	Application
Word	ST0	Cumulative feedback pulses
	ST1	Servo motor speed
	ST2	Droop pulses
	ST3	Cumulative command pulses
	ST4	Command pulse frequency
	ST7	Regenerative load ratio
	ST8	Effective load ratio
	ST9	Peak load ratio
	ST10	Instantaneous torque
	ST11	Within one-revolution position
	ST12	ABS counter
	ST13	Load to motor inertia ratio
	ST14	Bus voltage
	ST15	Load side encoder cumulative F/B pulse
	ST17	Load side encoder information 1
	ST18	Load side encoder information 2
	ST22	Servo motor thermistor temperature
	ST32	Encoder Inside Temperature
	ST33	Settling time
	ST34	Oscillation detection frequency
	ST35	Number of tough drive operations
	ST40	Unit power consumption
	ST41	Unit total power consumption
	ALM0	Reading of current alarm No.
	ALM1	Reading of detailed data of current alarm
	ALM11	Status at Alarm Occurrence Cumulative feedback pulses
	ALM12	Status at Alarm Occurrence Servo motor speed
	ALM13	Status at Alarm Occurrence Droop pulses
	ALM14	Status at Alarm Occurrence Cumulative command pulses
	ALM15	Status at Alarm Occurrence Command pulse frequency
	ALM18	Status at Alarm Occurrence Regenerative load ratio
	ALM19	Status at Alarm Occurrence Effective load ratio
	ALM20	Status at Alarm Occurrence Peak load ratio
	ALM21	Status at Alarm Occurrence Instantaneous torque
	ALM22	Status at Alarm Occurrence Within one-revolution position
	ALM23	Status at Alarm Occurrence ABS counter
	ALM24	Status at Alarm Occurrence Load to motor inertia ratio
	ALM25	Status at Alarm Occurrence Bus voltage
	ALM26	Status at Alarm Occurrence Load side encoder cumulative F/B pulse
	ALM28	Status at Alarm Occurrence Load side encoder information 1
	ALM29	Status at Alarm Occurrence Load side encoder information 2
	ALM33	Status at Alarm Occurrence Servo motor thermistor temperature
	ALM43	Status at Alarm Occurrence Encoder inside temperature
	ALM44	Status at Alarm Occurrence Settling time
	ALM45	Status at Alarm Occurrence Oscillation detection frequency
	ALM46	Status at Alarm Occurrence Number of tough drive operations
	ALM51	Status at Alarm Occurrence Unit Power Consumption
	ALM52	Status at Alarm Occurrence Unit Total Power Consumption
	ALM200	Reading of alarm No. from alarm history Latest alarm
	ALM201	Reading of alarm No. from alarm history 1st previous alarm
	ALM202	Reading of alarm No. from alarm history 2nd previous alarm
	ALM203	Reading of alarm No. from alarm history 3rd previous alarm
	ALM204	Reading of alarm No. from alarm history 4th previous alarm
	ALM205	Reading of alarm No. from alarm history 5th previous alarm
	ALM206	Reading of alarm No. from alarm history 6th previous alarm
	ALM207	Reading of alarm No. from alarm history 7th previous alarm
	ALM208	Reading of alarm No. from alarm history 8th previous alarm
	ALM220	Reading of alarm occurrence time from alarm history Latest alarm
	ALM221	Reading of alarm occurrence time from alarm history 1st previous alarm
	ALM222	Reading of alarm occurrence time from alarm history 2nd previous alarm

Type	Device No.	Application
Word	ALM223	Reading of alarm occurrence time from alarm history 3rd previous alarm
	ALM224	Reading of alarm occurrence time from alarm history 4th previous alarm
	ALM225	Reading of alarm occurrence time from alarm history 5th previous alarm
	ALM226	Reading of alarm occurrence time from alarm history 6th previous alarm
	ALM227	Reading of alarm occurrence time from alarm history 7th previous alarm
	ALM228	Reading of alarm occurrence time from alarm history 8th previous alarm
	ALM240	Detailed alarm data of alarm history Latest alarm
	ALM241	Detailed alarm data of alarm history 1st previous alarm
	ALM242	Detailed alarm data of alarm history 2nd previous alarm
	ALM243	Detailed alarm data of alarm history 3rd previous alarm
	ALM244	Detailed alarm data of alarm history 4th previous alarm
	ALM245	Detailed alarm data of alarm history 5th previous alarm
	ALM246	Detailed alarm data of alarm history 6th previous alarm
	ALM247	Detailed alarm data of alarm history 7th previous alarm
	ALM248	Detailed alarm data of alarm history 8th previous alarm
	DI0	Input device status
	DI1	Input device status
	DI3	External input pin status
	DO0	Output device status
	DO1	Output device status
	DO4	External output pin status
	TMI0	Input signal for test operation
	TMO0	Forced output of signal pin
	TMD0	Test operation mode data (Motor speed)
	TMD1	Test operation mode data (Acceleration/Deceleration time constant)
	TMD3	Test operation mode data (Travel distance)
	MD2	Machine diagnosis data Read machine diagnosis status
	MD3	Machine diagnosis data Read static friction when Fwd. Rot.
	MD4	Machine diagnosis data Read dynamic friction when Fwd. Rot.
	MD5	Machine diagnosis data Read static friction when Rev. Rot.
	MD6	Machine diagnosis data Read dynamic friction when Rev. Rot. and rated speed
	MD7	Machine diagnosis data Read Vibration frequency when stop, servo lock
	MD8	Machine diagnosis data Read oscillation level when stop, servo lock
	MD9	Machine diagnosis data Read Vibration frequency during operation
	MD10	Machine diagnosis data Read oscillation level during operation
	OTS0	Reading of status of one-touch tuning
	OTS1	Reading of obtained error code
	OTS2	Reading of setting time
	OTS3	Reading of overshoot amount
	ALD0	Cumulative energization time
	ALD1	Number of ON/OFF times of the inrush relay

5.4.2 GOT internal devices

Type	Device No.	Application
Bit	GB40	Always ON (for script trigger)
	GB60000	One-touch tuning start
	GB60010	JOG operation start switch
	GB60011	Motor rotation speed Write completion & script trigger
	GB60012	Acceleration/deceleration constant Write completion & script trigger
	GB60013	Forward rotation switch script trigger
	GB60014	Reverse rotation switch script trigger
	GB60015	Positioning operation start switch
	GB60016	Travel Distance Write completion & script trigger
	GB60017	Output signal (DO) forced output start switch
	GB61000 to GB61002	Estimation completed signal
	GB61050 to GB61057	Threshold exceeded signal
	GB61070	Estimated value Save switch
	GB61071 to GB61073	Estimated value Save completed signal
	GB61100	Estimated value Recipe write trigger
	GB61101	Estimated value Recipe read trigger
	GB61150	Threshold value Recipe write trigger
	GB61151	Threshold value Recipe read trigger
	GB61160 to GB61162	Estimated value Transfer start trigger
	GB61165 to GB61167	Estimated value Device data transfer start flag
	GB61170	Estimated value Recipe save script trigger
	GB61200 to GB61219	Filter setting Input signal
	GB61220 to GB61222	Vibration suppression control Input signal
	GB61250	Filter setting・Vibration suppression control Input completed signal
	GB61919	Scroll up Script trigger
	GB61920	Scroll down Script trigger
	GB61921 to GB61984	Valid/invalid axis setting screen for bit lamp
	GB62020 to GB62027	Valid/invalid axis setting screen for bit lamp trigger
	GB62029 to GB62092	Axis Selectionstate bit
	GB62094	Valid/invalid axis screen startup flat
	GB62095	Axis No. selection screen startup flag
	GB62096	Axis No. selection screen scroll up script trigger
	GB62097	Axis No. selection screen scroll down script trigger
	GB62098	Process while Axis No.selected Script trigger
	GB62099	Recipe 1 save start flag
	GB62100	Document display position specification Script trigger
	GB62101	User alarm observation Buffering data clear trigger device
	GB62102	Document display position specification Script trigger
	GB62200	Present time setting Script trigger
	GB62300 to GB62307	Historical trend graph Graph line clear device
	GB62310 to GB62312	Estimate completion signal For logging
	GD60031.b13	GOT error reset signal
	GD62104.b15	Document display Last page display control
	GD61110.b0	Recipe-shared Write-in-progress signal
	GD61110.b1	Recipe-shared Read-in-progress signal
	GD61140.b0 to GD61140.b4	Gain adjustment input permission bit
	GD61200.b0	Recipe 3 write trigger device
	GD61200.b1	Recipe 3 read trigger device
	GD61351.b0 to GD61351.b3	Output signal (DO) forced output Touch switch & script trigger
	GD61450.b0	Device data transfer Estimation transfer 1 Trigger device
	GD61451.b0	Device data transfer Estimation transfer 1 Transfer-in-progress signal
	GD61452.b0	Device data transfer Estimation transfer 2 Trigger device
	GD61453.b0	Device data transfer Estimation transfer 2 Transfer-in-progress signal
	GD61454.b0	Device data transfer Estimation transfer 3 Trigger device
	GD61455.b0	Device data transfer Estimation transfer 3 Transfer-in-progress signal
	GD61551.b0 to b3	Filter 1 Setting Substitution device
	GD61553.b4 to b7	Filter 1 Notch depth Substitution device

Type	Device No.	Application
Bit	GD61553.b8 to b11	Filter 1 Notch width Substitution device
	GD61555.b0	Filter 2 Setting Touch switch
	GD61556.b0 to b3	Filter 2 Setting Substitution device
	GD61556.b4 to b7	Filter 2 Notch depth Substitution device
	GD61556.b8 to b11	Filter 2 Notch width Substitution device
	GD61559.b0	Filter 3 Setting Touch switch
	GD61560.b0 to b3	Filter 3 Setting Substitution device
	GD61560.b4 to b7	Filter 3 Notch depth Substitution device
	GD61560.b8 to b11	Filter 3 Notch width Substitution device
	GD61563.b0	Filter 4 Setting Touch switch
	GD61564.b0 to b3	Filter 4 Setting Substitution device
	GD61564.b4 to b7	Filter 4 Notch depth Substitution device
	GD61564.b8 to b11	Filter 4 Notch width Substitution device
	GD61567.b0	Filter 5 Setting Touch switch
	GD61568.b0 to b3	Filter 5 Setting Substitution device
	GD61568.b4 to b7	Filter 5 Notch depth Substitution device
	GD61568.b8 to b11	Filter 5 Notch width Substitution device
	GD61572.b4 to b7	Low-pass filter Setting Substitution device
	GD61574.b0 to b3	Shaft resonance suppression filter Setting Substitution device
	GD61576.b0 to b7	Shaft resonance suppression filter Frequency Substitution device
	GD61576.b8 to b11	Shaft resonance suppression filter Notch depth Substitution device
	GD61578.b0	Robust filter Setting Touch switch
	GD61579.b0 to b3	Robust filter Setting Substitution device
	GD61609.b0, GD61616.b0	Shaft resonance suppression filter Input permission bit
	GD61612.b0, GD61619.b0	Filter 5 Input permission bit
	GD61621.b0 to b3	Vibration suppression control mode selection Substitution device
	GD61623.b0 to b3	Control setting 1 Substitution device
	GD61623.b4 to b7	Control setting 2 Substitution device
	GD61625.b0, GD61627.b1	Control setting 2 Input permission bit
	GD61626.b1	Control setting 1 Input permission bit
	GS512.b0	Time change signal
Word	GD60000	Base screen switching
	GD60001	Overlap window 1 screen switching
	GD60004	Overlap window 2 screen switching
	GD60016	Superimpose window 1 screen switching
	GD60021	Language switching
	GD60022	System language switching
	GD60031, GD60041	System information
	GD60080 to GD60082	Document display
	GD60400 to GD60415	Servo axis switching device
	GD61100	Estimated value Recipe record No.
	GD61110	Recipe common setting
	GD61130	Response mode selection
	GD61140	Gain adjustment mode selection
	GD61201	Motor speed Numerical input
	GD61203	Acceleration/Deceleration time constant Numerical input
	GD61205	Travel distance Numerical input
	GD61351	Forced output device
	GD61352	Forced output status comparison device
	GD61400 to GD61414	Threshold value
	GD61420 to GD61434	Estimated value Storage device
	GD61450 to GD61451	Device data transfer Estimation transfer 1
	GD61452 to GD61453	Device data transfer Estimation transfer 2
	GD61454 to GD61455	Device data transfer Estimation transfer 3
	GD61500 to GD61507	Monitor display device for input device
	GD61510 to GD61523	Monitor display device for output device
	GD61531 to GD61534	Valid/Invalid axis setting information
	GD61550 to GD61579	Device for filter setting
	GD61600 to GD61619	Monitor display device for filter setting
	GD61620 to GD61624	Device for vibration suppression control setting

Type	Device No.	Application
Word	GD61625 to GD61627	Monitor display device for vibration suppression control setting
	GD62100	User alarm observation Alarm information storage device
	GD62102 to GD62104	For document display
	GD62198	Alarm No. enter
	GD62202 to GD62205	Historical trend graph Graph information (B-30206)
	GD62206 to GD62209	Historical trend graph Cursor position time (B-30206)
	GD62220 to GD62223	Historical trend graph Beginning position time (B-30206)
	GD62224 to GD62227	Historical trend graph End position time (B-30206)
	GD62240 to GD62242	Historical trend graph Display position time specification (B-30206)
	GD62300 to GD62303	Historical trend graph Beginning position time (B-30209)
	GD62304 to GD62307	Historical trend graph End position time (B-30209)
	GD62308 to GD62311	Historical trend graph Cursor position time (B-30209)
	GD62315 to GD62330	Historical trend graph Graph information (B-30209)
	GD62400 to GD63679	Axes name
	GD63681	Axis name offset value
	GD63682	Valid/invalid bit lamp offset
	GD63683	Name offset
	GD63685	Axis No. switching switch
	GD63990 to GD63995	Digital switch for clock
	GS513 to GS516	Changed time
	GS650 to GS652	Current time
	TMP800 to 996	For script operation

5.5 Comment List

Comment Group No.	Comment No.	Base/Window screen No.
498	No.1 to 4312, 10000 to 10001	B-30205(User Alarm Observation ID 30001)
499	No.1 to 250, 2184, 10000 to 10001	B-30203
500	No.1	All base screens
	No.2 to 6	B-30001
	No.7 to 8	B-30011
	No.9	B-30001,B-30011,B-30101,B-30201,B-30301
	No.10 to 15,33	B-30021
	No.16 to 18	B-30101
	No.19 to 25	B-30041
	No.26 to 32	B-30071
	No.33	B-30201
	No.34	B-30011,B-30101,B-30201,B-30301
	No.35	B-30001,B-30011,B-30101,B-30201,B-30301
	No.36	B-30011,B-30101,B-30201,B-30301
	No.37 to 39,43 to 44	B-30011,B-30013,B-30015 to 30017,B-30019,B-30021
	No.40 to 41	B-30303 to 30305
	No.45 to 46	B-300103,B-30105,B-30107 to 30109,B-30111
	No.47 to 48	B-300203,B-30205
	No.49 to 51	B-30023 to 30029
	No.52 to 58	B-30043 to 30061
	No.59 to 65	B-30073 to 30091
	No.66	B-300203,B-30205
	No.67	B-30011,B-30101,B-30201,B-30301
	No.70	B-30011 to 30041,B-30071,B-30101 to 30111, B-30201 to 30205,B-30301 to 30305
	No.72	B-30301
	No.73	B-30011
	No.74	B-30041
	No.75	B-30071
	No.76	B-30021
	No.77	B-30101
	No.78	B-30201
	No.79,97	W-30009
	No.80 to 82	B-30043 to 30061,B-30073 to 30091
	No.83	B-30023 to 30025,B-30303 to 30304,W-30011 to 30012
	No.84	B-30043 to 30061,B-30073 to 30091
	No.85	B-30023 to 30025,B-30303 to 30304,W-30011 to 30012
	No.86	B-30023 to 30025,B-30043 to 30061,B-30073 to 30091,B-30303 to 30304,W-30011 to 30012
	No.87	B-30023 to 30025,B-30046 to 30047,B-30076 to 30077,W-30011,W-30101
	No.88	B-30103,W-30012,W-30102
	No.89	B-30001,W-30008
	No.90	B-30043 to 30061
	No.91	B-30073 to 30091
	No.92	B-30043 to 30061
	No.93	B-30073 to 30091
	No.94,98 to 99	W-30008
	No.95 to 96	W-30008,W-30009
	No.100	B-30303
	No.101	B-30304
	No.102 to 122	B-30303
	No.123 to 126	B-30304
	No.150 to 154	B-30305
	No.250	B-30013,B-30015 to 30016,B-30017
	No.251 to 272	B-30013

Comment Group No.	Comment No.	Base/Window screen No.
500	No.300	B-30013,B-30015 to 30016,B-30017
	No.301	B-30015
	No.302 to 303	B-30016
	No.304	B-30016,W-30030 to 30031
	No.305	B-30015 to 30016,W-30030 to 30031
	No.306	B-30015
	No.307	B-30015
	No.308	B-30015 to 30016,W-30020,W-30022,W-30024, W-30026,W-30028
	No.309	B-30015 to 30016,W-30021,W-30023,W-30025, W-30027,W-30029,W-30033
	No.310	B-30015 to 30016,W-30030 to 30031
	No.311	B-30015 to 30016
	No.312 to 315	B-30015 to 30016,W-30020,W-30022,W-30024, W-30026,W-30028
	No.316 to 319	B-30015 to 30016,W-30021,W-30023,W-30025, W-30027,W-30029,W-30033
	No.320	B-30016,W-30032
	No.321 to 329	B-30015
	No.330 to 334	B-30016
	No.336	B-30015
	No.337	B-30016
	No.338	W-30020 to 30021
	No.339	W-30022 to 30023
	No.340	W-30024 to 30025
	No.341	W-30026 to 30027
	No.342	W-30028 to 30029
	No.343	W-30030
	No.344	W-30031 to 30033
	No.350	B-30017
	No.351	B-30013,B-30015 to 30016,B-30017
	No.352 to 375	B-30017
	No.400 to 416	B-30019
	No.450 to 468	B-30105
	No.500 to 511	B-30103
	No.550 to 564	B-30203
	No.600	B-30043
	No.601	B-30044
	No.602	B-30073
	No.603	B-30074
	No.604 to 621	B-30043,B-30073
	No.622 to 623	B-30044,B-30074
	No.650	B-30046
	No.651	B-30047
	No.652	B-30048
	No.653	B-30076
	No.654	B-30077
	No.655	B-30078
	No.656 to 673	B-30046,B-30076
	No.674 to 691	B-30047,B-30077
	No.692 to 706	B-30048,B-30078
	No.750	B-30049
	No.751	B-30050
	No.752	B-30079
	No.753	B-30080
	No.754 to 771	B-30049,B-30079
	No.772 to 777	B-30050,B-30080
	No.850	B-30052
	No.851	B-30082
	No.852 to 866	B-30052,B-30082

Comment Group No.	Comment No.	Base/Window screen No.
500	No.900	B-30055
	No.901	B-30085
	No.902 to 918	B-30055,B-30085
	No.919	B-30056,B-30086
	No.920	B-30056
	No.921	B-30086
	No.950	B-30058
	No.951	B-30088
	No.952 to 962	B-30058,B-30088
	No.1000	B-30061
	No.1001	B-30091
	No.1002 to 1012	B-30061,B-30091
	No.1050 to 1055	B-30023
	No.1100 to 1107	B-30025
	No.1150 to 1151	B-30029
	No.1211	W-30002
	No.1251 to 1260	W-30003
	No.1301 to 1302	W-30001
	No.1351 to 1353	W-30013
	No.1400 to 1414	W-30015
	No.1451 to 1454	W-30017
	No.1500 to 1529	W-30032
	No.1550 to 1560	B-30111,B-30107 to 30109
	No.1561 to 1565	B-30111
	No.1600 to 1616	B-30107 to 30109
	No.1652	B-30203,B-30205
	No.1653 to 1654	B-30103,B-30105,B-30107 to 30109,B-30111
	No.1660	B-30201,B-30205
	No.1661,1663	B-30101,B-30111
	No.1662	B-30107 to 30109
	No.1661,1663	B-30101,B-30111
	No.1697 to 1705	B-30205
	No.1706	B-30207

5.6 Recipe List

5.6.1 Common Setting

External notification information	
External notification device	GD61110
Recipe No. notification device	GD61111
Record No. notification device	GD61112

Recipe No. 30001 Recipe 1

Item		Settings
Recipe file	Recipe file	Use a recipe file (read and write)
	File format	G2P (Binary)
	Drive name	A: Standard SD Card
	Folder name	Package1¥recipe
	File name	ARP30001.G2P
Trigger device	Write trigger 1	GB61150
	Read trigger 1	GB61151
	Record No. device	None
Block number		8
Record number		1
Block 1	Device	GD61402
	Device type	Signed BIN16
	Point	1
Block 2	Device	GD61400
	Device type	Signed BIN16
	Point	1
Block 3	Device	GD61404
	Device type	Signed BIN16
	Point	1
Block 4	Device	GD61406
	Device type	Signed BIN16
	Point	1
Block 5	Device	GD61408
	Device type	Signed BIN16
	Point	1

Item		Settings
Block 6	Device	GD61410
	Device type	Unsigned BIN16
	Point	1
Block 7	Device	GD61412
	Device type	Signed BIN16
	Point	1
Block 8	Device	GD61414
	Device type	Unsigned BIN16
	Point	1

Recipe No. 30002 Recipe 2

Item		Settings
Recipe file	Recipe file	Use a recipe file (read and write)
	File format	G2P (Binary)
	Drive name	A: Standard SD Card
	Folder name	Package1¥recipe
	File name	ARP30002.G2P
Trigger device	Write trigger 1	GB61100
	Read trigger 1	GB61101
	Record No. device	GD61100
Block number		9
Record number		10
Block 1	Device	GD60400
	Device type	Signed BIN16
	Point	1
Block 2	Device	GD61422
	Device type	Signed BIN16
	Point	1
Block 3	Device	GD61420
	Device type	Signed BIN16
	Point	1
Block 4	Device	GD61424
	Device type	Signed BIN16
	Point	1

Item		Settings
Block 5	Device	GD61426
	Device type	Signed BIN16
	Point	1
Block 6	Device	GD61428
	Device type	Signed BIN16
	Point	1
Block 7	Device	GD61430
	Device type	Unsigned BIN16
	Point	1
Block 8	Device	GD61432
	Device type	Signed BIN16
	Point	1
Block 9	Device	GD61434
	Device type	Unsigned BIN16
	Point	1

Recipe No. 30003 Recipe 3

Item		Settings
Recipe file	Recipe file	Use a recipe file (read and write)
	File format	G2P (Binary)
	Drive name	A: Standard SD Card
	Folder name	Package1¥recipe
	File name	ARP30003.G2P
Trigger device	Write trigger 1	GD61200.b0
	Read trigger 1	GD61200.b1
	Record No. device	None
Block number		65
Record number		1
Block 1	Device	GD61531
	Device type	Signed BIN16
	Point	4
Block 2	Device	GD62400
	Device type	Text
	Point	20

Item		Settings
Block 3	Device	GD62420
	Device type	Text
	Point	20
Block 4	Device	GD62440
	Device type	Text
	Point	20
Block 5	Device	GD62460
	Device type	Text
	Point	20
Block 6	Device	GD62480
	Device type	Text
	Point	20
Block 7	Device	GD62500
	Device type	Text
	Point	20
Block 8	Device	GD62520
	Device type	Text
	Point	20
Block 9	Device	GD62540
	Device type	Text
	Point	20
Block 10	Device	GD62560
	Device type	Text
	Point	20
Block 11	Device	GD62580
	Device type	Text
	Point	20
Block 12	Device	GD62600
	Device type	Text
	Point	20
Block 13	Device	GD62620
	Device type	Text
	Point	20

Item		Settings
Block 14	Device	GD62640
	Device type	Text
	Point	20
Block 15	Device	GD62660
	Device type	Text
	Point	20
Block 16	Device	GD62680
	Device type	Text
	Point	20
Block 17	Device	GD62700
	Device type	Text
	Point	20
Block 18	Device	GD62720
	Device type	Text
	Point	20
Block 19	Device	GD62740
	Device type	Text
	Point	20
Block 20	Device	GD62760
	Device type	Text
	Point	20
Block 21	Device	GD62780
	Device type	Text
	Point	20
Block 22	Device	GD62800
	Device type	Text
	Point	20
Block 23	Device	GD62820
	Device type	Text
	Point	20
Block 24	Device	GD62840
	Device type	Text
	Point	20

Item		Settings
Block 25	Device	GD62860
	Device type	Text
	Point	20
Block 26	Device	GD62880
	Device type	Text
	Point	20
Block 27	Device	GD62900
	Device type	Text
	Point	20
Block 28	Device	GD62920
	Device type	Text
	Point	20
Block 29	Device	GD62940
	Device type	Text
	Point	20
Block 30	Device	GD62960
	Device type	Text
	Point	20
Block 31	Device	GD62980
	Device type	Text
	Point	20
Block 32	Device	GD63000
	Device type	Text
	Point	20
Block 33	Device	GD63020
	Device type	Text
	Point	20
Block 34	Device	GD63040
	Device type	Text
	Point	20
Block 35	Device	GD63060
	Device type	Text
	Point	20

Item		Settings
Block 36	Device	GD63080
	Device type	Text
	Point	20
Block 37	Device	GD63100
	Device type	Text
	Point	20
Block 38	Device	GD63120
	Device type	Text
	Point	20
Block 39	Device	GD63140
	Device type	Text
	Point	20
Block 40	Device	GD63160
	Device type	Text
	Point	20
Block 41	Device	GD63180
	Device type	Text
	Point	20
Block 42	Device	GD63200
	Device type	Text
	Point	20
Block 43	Device	GD63220
	Device type	Text
	Point	20
Block 44	Device	GD63240
	Device type	Text
	Point	20
Block 45	Device	GD63260
	Device type	Text
	Point	20
Block 46	Device	GD63280
	Device type	Text
	Point	20

Item		Settings
Block 47	Device	GD63300
	Device type	Text
	Point	20
Block 48	Device	GD63320
	Device type	Text
	Point	20
Block 49	Device	GD63340
	Device type	Text
	Point	20
Block 50	Device	GD63360
	Device type	Text
	Point	20
Block 51	Device	GD63380
	Device type	Text
	Point	20
Block 52	Device	GD63400
	Device type	Text
	Point	20
Block 53	Device	GD63420
	Device type	Text
	Point	20
Block 54	Device	GD63440
	Device type	Text
	Point	20
Block 55	Device	GD63460
	Device type	Text
	Point	20
Block 56	Device	GD63480
	Device type	Text
	Point	20
Block 57	Device	GD63500
	Device type	Text
	Point	20

Item		Settings
Block 58	Device	GD63520
	Device type	Text
	Point	20
Block 59	Device	GD63540
	Device type	Text
	Point	20
Block 60	Device	GD63560
	Device type	Text
	Point	20
Block 61	Device	GD63580
	Device type	Text
	Point	20
Block 62	Device	GD63600
	Device type	Text
	Point	20
Block 63	Device	GD63620
	Device type	Text
	Point	20
Block 64	Device	GD63640
	Device type	Text
	Point	20
Block 65	Device	GD63660
	Device type	Text
	Point	20

5.7 Device Data Transfer List

ID: 201 Estimation Transfer 1

Item		Settings
Device data transfer trigger	Trigger type	Rise
	External control device	GD61450
	Trigger device	GD61450.b0
	Transfer inverting flag device	GD61450.b1
External information notification	<input checked="" type="checkbox"/> External notification device	GD61451
	Device Data Transfer notification Signal	GD61451.b0
	BCD conversion error notification signal	GD61451.b14
	Device data transfer error notification signal	GD61451.b15
Device	Block number	2
Block 1	Device type	Signed BIN16
	Point	1
	Source Device	U00-A100-MD3
	Destination Device	GD61420
	Offset	None
Block 2	Device type	Signed BIN16
	Point	1
	Source Device	U00-A100-MD4
	Destination Device	GD61422
	Offset	None

ID: 202 Estimation Transfer 2

Item		Settings
Device data transfer trigger	Trigger type	Rise
	External control device	GD61452
	Trigger device	GD61452.b0
	Transfer inverting flag device	GD61452.b1
External information notification	<input checked="" type="checkbox"/> External notification device	GD61453
	Device Data Transfer notification Signal	GD61453.b0
	BCD conversion error notification signal	GD61453.b14
	Device data transfer error notification signal	GD61453.b15
Device	Block number	2

Item		Settings
Block 1	Device type	Signed BIN16
	Point	1
	Source Device	U00-A100-MD5
	Destination Device	GD61424
	Offset	None
Block 2	Device type	Signed BIN16
	Point	1
	Source Device	U00-A100-MD6
	Destination Device	GD61426
	Offset	None

ID: 203 Estimation Transfer 3

Item		Settings
Device data transfer trigger	Trigger type	Rise
	External control device	GD61454
	Trigger device	GD61454.b0
	Transfer inverting flag device	GD61454.b1
External information notification	<input checked="" type="checkbox"/> External notification device	GD61455
	Device Data Transfer notification Signal	GD61455.b0
	BCD conversion error notification signal	GD61455.b14
	Device data transfer error notification signal	GD61455.b15
Device	Block number	4
Block 1	Device type	Signed BIN16
	Point	1
	Source Device	U00-A100-MD9
	Destination Device	GD61428
	Offset	None
Block 2	Device type	Unsigned BIN16
	Point	1
	Source Device	U00-A100-MD10
	Destination Device	GD61430
	Offset	None

Item		Settings
Block 3	Device type	Signed BIN16
	Point	1
	Source Device	U00-A100-MD7
	Destination Device	GD61432
	Offset	None
Block 4	Device type	Unsigned BIN16
	Point	1
	Source Device	U00-A100-MD8
	Destination Device	GD61434
	Offset	None

5.8 Script List

Item	Settings
Project script	Specified
Screen script	B-30001、B-30013、B-30015、B-30016、B-30017、B-30019、B-30023、B-30025、B-30029、B-30105、B-30111、B-30207、B-30305、W-30015
Object script	B-30207、W-30003

5.8.1 Project script

Script No.	30001	Script name	Script30001
Comment	Initial setting		
Data type	Signed BIN16	Trigger type	Rise GB40
<pre>[w:GD62102]=204; // Set Document ID to 204 [w:GD62103]=1; // Set Document page No. to 1 [w:GD61130] = 2; //One-touch tuning initial selection (basic mode) [w:GD61100] =1; //Machine diagnosis estimated value record No. setting [w:GD60400] = 1; // Aixs No. initial value [w:GD60800] = 0; // Initial axis name offset value set([b:GD61200.b0]); // Write recipe</pre>			

Script No.	30020	Script name	Script30020
Comment	Turn OFF the RecipeWriteTrigger.		
Data type	Signed BIN16	Trigger type	ON GD61200.b0
<pre>if ([b:GD61110.b0] == ON) { //While writing the record. rst([b:GD61200.b0]); //Reset trigger device for recipe write. }</pre>			

Script No.	30025	Script name	Script30020
Comment	When Axis No.SelectScreen Opened		
Data type	Signed BIN16	Trigger type	Rise GB62095
<pre>//Reflect each setting when Axis No. window is opened [w:GD63682] = (([w:GD60400] - 1) >> 3) * 8; //Bit lamp offset [w:GD63683] = (([w:GD60400] - 1) >> 3) * 160; //Name offset //Turn ON internal devices (GB61021 to GB61084) according to validated axis number. [u32:TMP0900] = [u32:GD61531] ; [u32:TMP0901] = [u32:GD61533] ; [w:TMP0902] = 0; while([w:TMP0902] < 32) { if(([u32:TMP0900] & 0x00000001) == 1) { set([b:GB61921[w:TMP0902]]); } [u32:TMP0900] = [u32:TMP0900] >> 1; [w:TMP0902] = [w:TMP0902] + 1; } while([w:TMP0902] < 64) { if(([u32:TMP0901] & 0x00000001) == 1) { set([b:GB61921[w:TMP0902]]); } }</pre>			

```

[u32:TMP0901] = [u32:TMP0901] >> 1;
[w:TMP0902] = [w:TMP0902] + 1;
}

//Turn ON bit lamp in the axis number selection window
[w:TMP0903] = [w:GD60400] - 1;
set([b:GB62029[w:TMP0903]]);

//Turn OFF trigger with displayed and validated axis number.
//OFF=Available ON=Not available
[w:TMP0900] = [w:GD63682];
[w:TMP0901] = 0;
while([w:TMP0901] < 8)
{
    if([b:GB61921[w:TMP900]] == OFF)
    {
        rst([b:GB62020[w:TMP0901]]); //Trigger OFF
    }else{
        set([b:GB62020[w:TMP0901]]); //Trigger ON
    }

    [w:TMP0900] = [w:TMP0900] + 1;
    [w:TMP0901] = [w:TMP0901] + 1;
}

rst([b:GB62095]);

```

Script No.	30026	Script name	Script30026
Comment	Process while AxisNo.selected		
Data type	Signed BIN16	Trigger type	ON GB62098

```

//Switch Axis No.
//Configure necessary settings when switching axis No.

[w:TMP0900] = [w:GD63685] + [w:GD63682]; //Calculate the selected axis number
[w:TMP0901] = 0;

//Turn bit ON according to the selected axis number
while([w:TMP0901] < 64)
{
    if(([w:TMP0901] + 1) == [w:TMP0900])
    {
        set([b:GB62029[w:TMP0901]]);
    }else{
        rst([b:GB62029[w:TMP0901]]);
    }
    [w:TMP0901] = [w:TMP0901] + 1;
}

//Processing before closing the screen.
//Process according to the selected axis number
[w:TMP0901] = 0;

while([w:TMP0901] < 64)
{
    if([b:GB62029[w:TMP0901]] == ON)
    {
        [w:TMP0900] = [w:TMP0901] + 1;
        break;
    }
    [w:TMP0901] = [w:TMP0901] + 1;
}

```

```

switch([w:TMP0900])
{
    case 1:    [w:GD60400] = 1;        //Axis Number 1
               [w:GD63681] = 0;
               break;

    case 2:    [w:GD60400] = 2;        //Axis Number 2
               [w:GD63681] = 20;
               break;

    case 3:    [w:GD60400] = 3;        //Axis Number 3
               [w:GD63681] = 40;
               break;

    case 4:    [w:GD60400] = 4;        //Axis Number 4
               [w:GD63681] = 60;
               break;

    case 5:    [w:GD60400] = 5;        //Axis Number 5
               [w:GD63681] = 80;
               break;

    case 6:    [w:GD60400] = 6;        //Axis Number 6
               [w:GD63681] = 100;
               break;

    case 7:    [w:GD60400] = 7;        //Axis Number 7
               [w:GD63681] = 120;
               break;

    case 8:    [w:GD60400] = 8;        //Axis Number 8
               [w:GD63681] = 140;
               break;

    case 9:    [w:GD60400] = 9;        //Axis Number 9
               [w:GD63681] = 160;
               break;

    case 10:   [w:GD60400] = 10;       //Axis Number 10
               [w:GD63681] = 180;
               break;

    case 11:   [w:GD60400] = 11;       //Axis Number 11
               [w:GD63681] = 200;
               break;

    case 12:   [w:GD60400] = 12;       //Axis Number 12
               [w:GD63681] = 220;
               break;

    case 13:   [w:GD60400] = 13;       //Axis Number 13
               [w:GD63681] = 240;
               break;

    case 14:   [w:GD60400] = 14;       //Axis Number 14
               [w:GD63681] = 260;
               break;

    case 15:   [w:GD60400] = 15;       //Axis Number 15
               [w:GD63681] = 280;
               break;
}

```


case 16:	[w:GD60400] = 16; [w:GD63681] = 300; break;	//Axis Number 16
case 17:	[w:GD60400] = 17; [w:GD63681] = 320; break;	//Axis Number 17
case 18:	[w:GD60400] = 18; [w:GD63681] = 340; break;	//Axis Number 18
case 19:	[w:GD60400] = 19; [w:GD63681] = 360; break;	//Axis Number 19
case 20:	[w:GD60400] = 20; [w:GD63681] = 380; break;	//Axis Number 20
case 21:	[w:GD60400] = 21; [w:GD63681] = 400; break;	//Axis Number 21
case 22:	[w:GD60400] = 22; [w:GD63681] = 420; break;	//Axis Number 22
case 23:	[w:GD60400] = 23; [w:GD63681] = 440; break;	//Axis Number 23
case 24:	[w:GD60400] = 24; [w:GD63681] = 460; break;	//Axis Number 24
case 25:	[w:GD60400] = 25; [w:GD63681] = 480; break;	//Axis Number 25
case 26:	[w:GD60400] = 26; [w:GD63681] = 500; break;	//Axis Number 26
case 27:	[w:GD60400] = 27; [w:GD63681] = 520; break;	//Axis Number 27
case 28:	[w:GD60400] = 28; [w:GD63681] = 540; break;	//Axis Number 28
case 29:	[w:GD60400] = 29; [w:GD63681] = 560; break;	//Axis Number 29
case 30:	[w:GD60400] = 30; [w:GD63681] = 580; break;	//Axis Number 30
case 31:	[w:GD60400] = 31; [w:GD63681] = 600; break;	//Axis Number 31

case 32:	[w:GD60400] = 32; [w:GD63681] = 620; break;	//Axis Number 32
case 33:	[w:GD60400] = 33; [w:GD63681] = 640; break;	//Axis Number 33
case 34:	[w:GD60400] = 34; [w:GD63681] = 660; break;	//Axis Number 34
case 35:	[w:GD60400] = 35; [w:GD63681] = 680; break;	//Axis Number 35
case 36:	[w:GD60400] = 36; [w:GD63681] = 700; break;	//Axis Number 36
case 37:	[w:GD60400] = 37; [w:GD63681] = 720; break;	//Axis Number 37
case 38:	[w:GD60400] = 38; [w:GD63681] = 740; break;	//Axis Number 38
case 39:	[w:GD60400] = 39; [w:GD63681] = 760; break;	//Axis Number 39
case 40:	[w:GD60400] = 40; [w:GD63681] = 780; break;	//Axis Number 40
case 41:	[w:GD60400] = 41; [w:GD63681] = 800; break;	//Axis Number 41
case 42:	[w:GD60400] = 42; [w:GD63681] = 820; break;	//Axis Number 42
case 43:	[w:GD60400] = 43; [w:GD63681] = 840; break;	//Axis Number 43
case 44:	[w:GD60400] = 44; [w:GD63681] = 860; break;	//Axis Number 44
case 45:	[w:GD60400] = 45; [w:GD63681] = 880; break;	//Axis Number 45
case 46:	[w:GD60400] = 46; [w:GD63681] = 900; break;	//Axis Number 46
case 47:	[w:GD60400] = 47; [w:GD63681] = 920; break;	//Axis Number 47
case 48:	[w:GD60400] = 48;	//Axis Number 48

[w:GD63681] = 940;
break;

case 49: [w:GD60400] = 49; //Axis Number 49
[w:GD63681] = 960;
break;

case 50: [w:GD60400] = 50; //Axis Number 50
[w:GD63681] = 980;
break;

case 51: [w:GD60400] = 51; //Axis Number 51
[w:GD63681] = 1000;
break;

case 52: [w:GD60400] = 52; //Axis Number 52
[w:GD63681] = 1020;
break;

case 53: [w:GD60400] = 53; //Axis Number 53
[w:GD63681] = 1040;
break;

case 54: [w:GD60400] = 54; //Axis Number 54
[w:GD63681] = 1060;
break;

case 55: [w:GD60400] = 55; //Axis Number 55
[w:GD63681] = 1080;
break;

case 56: [w:GD60400] = 56; //Axis Number 56
[w:GD63681] = 1100;
break;

case 57: [w:GD60400] = 57; //Axis Number 57
[w:GD63681] = 1120;
break;

case 58: [w:GD60400] = 58; //Axis Number 58
[w:GD63681] = 1140;
break;

case 59: [w:GD60400] = 59; //Axis Number 59
[w:GD63681] = 1160;
break;

case 60: [w:GD60400] = 60; //Axis Number 60
[w:GD63681] = 1180;
break;

case 61: [w:GD60400] = 61; //Axis Number 61
[w:GD63681] = 1200;
break;

case 62: [w:GD60400] = 62; //Axis Number 62
[w:GD63681] = 1220;
break;

case 63: [w:GD60400] = 63; //Axis Number 63
[w:GD63681] = 1240;
break;

case 64: [w:GD60400] = 64; //Axis Number 64

```

[w:GD63681] = 1260;
break;

default:    break;
}

rst([b:GB62098]);

```

Script No.	30027	Script name	Script30027
Comment	Axis Selection Scroll up		
Data type	Signed BIN16	Trigger type	Rise GB62096
<pre> //Scroll up //Set the bit lamp offset //Makes scrolling loop if([w:GD63682] >= 8) { [w:GD63682] = [w:GD63682] - 8; }else{ [w:GD63682] = 56; } //Set the name offset [w:GD63683] = [w:GD63682] * 20; //Turn OFF trigger with displayed and validated axis number //OFF=Available ON=Not available [w:TMP0900] = [w:GD63682]; [w:TMP0901] = 0; while([w:TMP0901] < 8) { if([b:GB61921[w:TMP900]] == OFF) { rst([b:GB62020[w:TMP0901]]); //Trigger OFF }else{ set([b:GB62020[w:TMP0901]]); //Trigger ON } [w:TMP0900] = [w:TMP0900] + 1; [w:TMP0901] = [w:TMP0901] + 1; } </pre>			

Script No.	30028	Script name	Script30028
Comment	Axis Selection ScrollDown		
Data type	Signed BIN16	Trigger type	Rise GB62097
<pre> //Scroll down //Set the bit lamp offset //Makes scrolling loop if([w:GD63682] < 56) { [w:GD63682] = [w:GD63682] + 8; }else{ [w:GD63682] = 0; } //Set the name offset [w:GD63683] = [w:GD63682] * 20; //Turn OFF trigger with displayed and validated axis number. </pre>			

```

//OFF=Available ON=Not available
[w:TMP0900] = [w:GD63682];
[w:TMP0901] = 0;
while([w:TMP0901] < 8)
{
    if([b:GB61921[w:TMP900]] == OFF)
    {
        rst([b:GB62020[w:TMP0901]]); //Trigger OFF
    }else{
        set([b:GB62020[w:TMP0901]]); //Trigger ON
    }

    [w:TMP0900] = [w:TMP0900] + 1;
    [w:TMP0901] = [w:TMP0901] + 1;
}

```

Script No.	30199	Script name	Script30199
Comment	Document Specification Display		
Data type	Signed BIN16	Trigger type	ON GB62100
<pre> //[s16:U00-A1-ALM0]: In alarm number status //[w:GD62103]: Document Display Page Number //[w:GD60021]: Language Switching Device if([b:GB62100] == OFF){ return; }else{ rst([b:GB62100]); } if([w:GD60021] == 0 [w:GD60021] == 1 [w:GD60021] == 3){// For Japanese and Chinese if([s16:U00-A1-ALM0] <=20){ switch([s16:U00-A1-ALM0]) { case 16: [w:GD62103] = 1; break; case 17: [w:GD62103] = 3; break; case 18: [w:GD62103] = 3; break; case 19: [w:GD62103] = 4; break; case 20: [w:GD62103] = 5; break; } } switch([s16:U00-A1-ALM0]) { case 21: [w:GD62103] = 6; break; } </pre>			

```
case 22:
    [w:GD62103] = 7;
    break;

case 23:
    [w:GD62103] = 9;
    break;

case 25:
    [w:GD62103] = 10;
    break;

case 26:
    [w:GD62103] = 10;
    break;

case 27:
    [w:GD62103] = 11;
    break;

case 30:
    [w:GD62103] = 11;
    break;

case 31:
    [w:GD62103] = 12;
    break;

case 32:
    [w:GD62103] = 13;
    break;

case 33:
    [w:GD62103] = 14;
    break;

case 36:
    [w:GD62103] = 16;
    break;

case 37:
    [w:GD62103] = 17;
    break;

case 39:
    [w:GD62103] = 20;
    break;

case 40:
    [w:GD62103] = 21;
    break;

case 42:
    [w:GD62103] = 22;
    break;

case 43:
    [w:GD62103] = 22;
    break;

case 48:
    [w:GD62103] = 23;
    break;
```

```
case 49:
    [w:GD62103] = 24;
    break;

case 50:
    [w:GD62103] = 25;
    break;

case 51:
    [w:GD62103] = 27;
    break;

case 52:
    [w:GD62103] = 28;
    break;

case 53:
    [w:GD62103] = 29;
    break;

case 54:
    [w:GD62103] = 30;
    break;

case 55:
    [w:GD62103] = 31;
    break;

case 57:
    [w:GD62103] = 32;
    break;

case 58:
    [w:GD62103] = 33;
    break;

case 61:
    [w:GD62103] = 33;
    break;

case 62:
    [w:GD62103] = 33;
    break;

case 66:
    [w:GD62103] = 34;
    break;

case 69:
    [w:GD62103] = 37;
    break;

case 70:
    [w:GD62103] = 37;
    break;

case 71:
    [w:GD62103] = 38;
    break;

case 80:
    [w:GD62103] = 39;
    break;
```

```
case 81:
    [w:GD62103] = 41;
break;

case 82:
    [w:GD62103] = 42;
break;

case 84:
    [w:GD62103] = 43;
break;

case 86:
    [w:GD62103] = 44;
break;

case 97:
    [w:GD62103] = 44;
break;

case 99:
    [w:GD62103] = 45;
break;

case 100:
    [w:GD62103] = 45;
break;

case 101:
    [w:GD62103] = 46;
break;

case 102:
    [w:GD62103] = 47;
break;

case 103:
    [w:GD62103] = 48;
break;

case 104:
    [w:GD62103] = 48;
break;

case 105:
    [w:GD62103] = 49;
break;

case 112:
    [w:GD62103] = 51;
break;

case 113:
    [w:GD62103] = 54;
break;

case 114:
    [w:GD62103] = 55;
break;

case 116:
    [w:GD62103] = 55;
break;
```



```
case 117:
    [w:GD62103] = 56;
break;

case 121:
    [w:GD62103] = 56;
break;

case 122:
    [w:GD62103] = 59;
break;

case 123:
    [w:GD62103] = 60;
break;

case 124:
    [w:GD62103] = 61;
break;

case 125:
    [w:GD62103] = 62;
break;

case 130:
    [w:GD62103] = 63;
break;

case 132:
    [w:GD62103] = 64;
break;

case 133:
    [w:GD62103] = 65;
break;

case 134:
    [w:GD62103] = 66;
break;

case 138:
    [w:GD62103] = 67;
break;

case 141:
    [w:GD62103] = 68;
break;

case 142:
    [w:GD62103] = 70;
break;

case 2184:// Watchdog
    [w:GD62103] = 72;
break;

// Warning below
case 144:
    [w:GD62103] = 73;
break;

case 145:
```

```
[w:GD62103] = 74;
break;

case 146:
    [w:GD62103] = 75;
    break;

case 147:
    [w:GD62103] = 75;
    break;

case 149:
    [w:GD62103] = 76;
    break;

case 150:
    [w:GD62103] = 77;
    break;

case 151:
    [w:GD62103] = 78;
    break;

case 152:
    [w:GD62103] = 78;
    break;

case 153:
    [w:GD62103] = 79;
    break;

case 154:
    [w:GD62103] = 79;
    break;

case 155:
    [w:GD62103] = 80;
    break;

case 156:
    [w:GD62103] = 81;
    break;

case 157:
    [w:GD62103] = 81;
    break;

case 158:
    [w:GD62103] = 82;
    break;

case 159:
    [w:GD62103] = 82;
    break;

case 224:
    [w:GD62103] = 83;
    break;

case 225:
    [w:GD62103] = 83;
    break;

case 226:
```

```
[w:GD62103] = 84;
break;

case 227:
    [w:GD62103] = 84;
    break;

case 228:
    [w:GD62103] = 84;
    break;

case 229:
    [w:GD62103] = 85;
    break;

case 230:
    [w:GD62103] = 85;
    break;

case 231:
    [w:GD62103] = 86;
    break;

case 232:
    [w:GD62103] = 86;
    break;

case 233:
    [w:GD62103] = 87;
    break;

case 234:
    [w:GD62103] = 88;
    break;

case 235:
    [w:GD62103] = 88;
    break;

case 236:
    [w:GD62103] = 89;
    break;

case 237:
    [w:GD62103] = 89;
    break;

case 240:
    [w:GD62103] = 89;
    break;

case 242:
    [w:GD62103] = 89;
    break;

case 243:
    [w:GD62103] = 89;
    break;

case 244:
    [w:GD62103] = 90;
    break;

case 245:
```

```

        [w:GD62103] = 90;
        break;

    case 246:
        [w:GD62103] = 91;
        break;

    case 255:// No error
        [w:GD62103] = 1;
        break;
    }
}
}else{
    if([s16:U00-A1-ALM0] <=20){
        switch([s16:U00-A1-ALM0])
        {
            case 16:
                [w:GD62103] = 1;
                break;

            case 17:
                [w:GD62103] = 4;
                break;

            case 18:
                [w:GD62103] = 4;
                break;

            case 19:
                [w:GD62103] = 5;
                break;

            case 20:
                [w:GD62103] = 5;
                break;
        }
    }

    switch([s16:U00-A1-ALM0])
    {
        case 21:
            [w:GD62103] = 7;
            break;

        case 22:
            [w:GD62103] = 8;
            break;

        case 23:
            [w:GD62103] = 10;
            break;

        case 25:
            [w:GD62103] = 11;
            break;

        case 26:
            [w:GD62103] = 12;
            break;

        case 27:
            [w:GD62103] = 12;
            break;

        case 30:

```

```
[w:GD62103] = 13;
break;

case 31:
    [w:GD62103] = 13;
    break;

case 32:
    [w:GD62103] = 14;
    break;

case 33:
    [w:GD62103] = 16;
    break;

case 36:
    [w:GD62103] = 17;
    break;

case 37:
    [w:GD62103] = 19;
    break;

case 39:
    [w:GD62103] = 22;
    break;

case 40:
    [w:GD62103] = 23;
    break;

case 42:
    [w:GD62103] = 24;
    break;

case 43:
    [w:GD62103] = 24;
    break;

case 48:
    [w:GD62103] = 25;
    break;

case 49:
    [w:GD62103] = 26;
    break;

case 50:
    [w:GD62103] = 27;
    break;

case 51:
    [w:GD62103] = 29;
    break;

case 52:
    [w:GD62103] = 30;
    break;

case 53:
    [w:GD62103] = 31;
    break;

case 54:
```

```
[w:GD62103] = 32;
break;

case 55:
    [w:GD62103] = 33;
    break;

case 57:
    [w:GD62103] = 34;
    break;

case 58:
    [w:GD62103] = 35;
    break;

case 61:
    [w:GD62103] = 35;
    break;

case 62:
    [w:GD62103] = 35;
    break;

case 66:
    [w:GD62103] = 36;
    break;

case 69:
    [w:GD62103] = 38;
    break;

case 70:
    [w:GD62103] = 39;
    break;

case 71:
    [w:GD62103] = 40;
    break;

case 80:
    [w:GD62103] = 40;
    break;

case 81:
    [w:GD62103] = 42;
    break;

case 82:
    [w:GD62103] = 43;
    break;

case 84:
    [w:GD62103] = 44;
    break;

case 86:
    [w:GD62103] = 45;
    break;

case 97:
    [w:GD62103] = 45;
    break;

case 99:
```

```
[w:GD62103] = 46;
break;

case 100:
    [w:GD62103] = 46;
    break;

case 101:
    [w:GD62103] = 47;
    break;

case 102:
    [w:GD62103] = 48;
    break;

case 103:
    [w:GD62103] = 49;
    break;

case 104:
    [w:GD62103] = 50;
    break;

case 105:
    [w:GD62103] = 51;
    break;

case 112:
    [w:GD62103] = 53;
    break;

case 113:
    [w:GD62103] = 56;
    break;

case 114:
    [w:GD62103] = 57;
    break;

case 116:
    [w:GD62103] = 58;
    break;

case 117:
    [w:GD62103] = 59;
    break;

case 121:
    [w:GD62103] = 59;
    break;

case 122:
    [w:GD62103] = 62;
    break;

case 123:
    [w:GD62103] = 63;
    break;

case 124:
    [w:GD62103] = 64;
    break;

case 125:
```

```
[w:GD62103] = 65;
break;

case 130:
    [w:GD62103] = 66;
    break;

case 132:
    [w:GD62103] = 67;
    break;

case 133:
    [w:GD62103] = 69;
    break;

case 134:
    [w:GD62103] = 70;
    break;

case 138:
    [w:GD62103] = 71;
    break;

case 141:
    [w:GD62103] = 72;
    break;

case 142:
    [w:GD62103] = 73;
    break;

case 2184:// Watchdog
    [w:GD62103] = 75;
    break;
```

```
// Warning below
```

```
case 144:
    [w:GD62103] = 77;
    break;

case 145:
    [w:GD62103] = 79;
    break;

case 146:
    [w:GD62103] = 80;
    break;

case 147:
    [w:GD62103] = 80;
    break;

case 149:
    [w:GD62103] = 81;
    break;

case 150:
    [w:GD62103] = 83;
    break;

case 151:
    [w:GD62103] = 83;
```



```
break;

case 152:
    [w:GD62103] = 84;
    break;

case 153:
    [w:GD62103] = 84;
    break;

case 154:
    [w:GD62103] = 85;
    break;

case 155:
    [w:GD62103] = 85;
    break;

case 156:
    [w:GD62103] = 86;
    break;

case 157:
    [w:GD62103] = 86;
    break;

case 158:
    [w:GD62103] = 87;
    break;

case 159:
    [w:GD62103] = 87;
    break;

case 224:
    [w:GD62103] = 88;
    break;

case 225:
    [w:GD62103] = 88;
    break;

case 226:
    [w:GD62103] = 89;
    break;

case 227:
    [w:GD62103] = 89;
    break;

case 228:
    [w:GD62103] = 90;
    break;

case 229:
    [w:GD62103] = 90;
    break;

case 230:
    [w:GD62103] = 90;
    break;

case 231:
    [w:GD62103] = 91;
```

```

break;

case 232:
    [w:GD62103] = 91;
break;

case 233:
    [w:GD62103] = 91;
break;

case 234:
    [w:GD62103] = 93;
break;

case 235:
    [w:GD62103] = 93;
break;

case 236:
    [w:GD62103] = 93;
break;

case 237:
    [w:GD62103] = 93;
break;

case 240:
    [w:GD62103] = 94;
break;

case 242:
    [w:GD62103] = 94;
break;

case 243:
    [w:GD62103] = 94;
break;

case 244:
    [w:GD62103] = 94;
break;

case 245:
    [w:GD62103] = 95;
break;

case 246:
    [w:GD62103] = 96;
break;

case 255:// No error
    [w:GD62103] = 1;
break;
}
}

if([s16:U00-A1-ALM0] == 255){
    [w:GD62198] = 16;
}else{
    [w:GD62198] = [s16:U00-A1-ALM0];
}

```

Script No.	30198	Script name	Script30198
Comment	Document Specification Display 2		
Data Type	Signed BIN16	Trigger type	ON GB62102
<pre> //[s16:U00-A100-ALM0]: In alarm number status //[w:GD62103]: Document Display Page Number //[w:GD60021]: Language Switching Device if([b:GB62102] == OFF){ return; }else{ rst([b:GB62102]); } if([w:GD60021] == 2 [w:GD60021] == 3){// For Japanese and Chinese if([s16:U00-A100-ALM0] <=20){ switch([s16:U00-A100-ALM0]) { case 16: [w:GD62103] = 1; break; case 17: [w:GD62103] = 3; break; case 18: [w:GD62103] = 3; break; case 19: [w:GD62103] = 4; break; case 20: [w:GD62103] = 5; break; } } switch([s16:U00-A100-ALM0]) { case 21: [w:GD62103] = 6; break; case 22: [w:GD62103] = 7; break; case 23: [w:GD62103] = 9; break; case 25: [w:GD62103] = 10; break; case 26: [w:GD62103] = 10; break; case 27: </pre>			

```
[w:GD62103] = 11;
break;

case 30:
    [w:GD62103] = 11;
    break;

case 31:
    [w:GD62103] = 12;
    break;

case 32:
    [w:GD62103] = 13;
    break;

case 33:
    [w:GD62103] = 14;
    break;

case 36:
    [w:GD62103] = 16;
    break;

case 37:
    [w:GD62103] = 17;
    break;

case 39:
    [w:GD62103] = 20;
    break;

case 40:
    [w:GD62103] = 21;
    break;

case 42:
    [w:GD62103] = 22;
    break;

case 43:
    [w:GD62103] = 22;
    break;

case 48:
    [w:GD62103] = 23;
    break;

case 49:
    [w:GD62103] = 24;
    break;

case 50:
    [w:GD62103] = 25;
    break;

case 51:
    [w:GD62103] = 27;
    break;

case 52:
    [w:GD62103] = 28;
    break;

case 53:
```

```
[w:GD62103] = 29;
break;

case 54:
    [w:GD62103] = 30;
    break;

case 55:
    [w:GD62103] = 31;
    break;

case 57:
    [w:GD62103] = 32;
    break;

case 58:
    [w:GD62103] = 33;
    break;

case 61:
    [w:GD62103] = 33;
    break;

case 62:
    [w:GD62103] = 33;
    break;

case 66:
    [w:GD62103] = 34;
    break;

case 69:
    [w:GD62103] = 37;
    break;

case 70:
    [w:GD62103] = 37;
    break;

case 71:
    [w:GD62103] = 38;
    break;

case 80:
    [w:GD62103] = 39;
    break;

case 81:
    [w:GD62103] = 41;
    break;

case 82:
    [w:GD62103] = 42;
    break;

case 84:
    [w:GD62103] = 43;
    break;

case 86:
    [w:GD62103] = 44;
    break;

case 97:
```

```
[w:GD62103] = 44;
break;

case 99:
    [w:GD62103] = 45;
    break;

case 100:
    [w:GD62103] = 45;
    break;

case 101:
    [w:GD62103] = 46;
    break;

case 102:
    [w:GD62103] = 47;
    break;

case 103:
    [w:GD62103] = 48;
    break;

case 104:
    [w:GD62103] = 48;
    break;

case 105:
    [w:GD62103] = 49;
    break;

case 112:
    [w:GD62103] = 51;
    break;

case 113:
    [w:GD62103] = 54;
    break;

case 114:
    [w:GD62103] = 55;
    break;

case 116:
    [w:GD62103] = 55;
    break;

case 117:
    [w:GD62103] = 56;
    break;

case 121:
    [w:GD62103] = 56;
    break;

case 122:
    [w:GD62103] = 59;
    break;

case 123:
    [w:GD62103] = 60;
    break;

case 124:
```

```
[w:GD62103] = 61;
break;

case 125:
    [w:GD62103] = 62;
    break;

case 130:
    [w:GD62103] = 63;
    break;

case 132:
    [w:GD62103] = 64;
    break;

case 133:
    [w:GD62103] = 65;
    break;

case 134:
    [w:GD62103] = 66;
    break;

case 138:
    [w:GD62103] = 67;
    break;

case 141:
    [w:GD62103] = 68;
    break;

case 142:
    [w:GD62103] = 70;
    break;

case 2184:// Watchdog
    [w:GD62103] = 72;
    break;
```

// Warning below

```
case 144:
    [w:GD62103] = 73;
    break;

case 145:
    [w:GD62103] = 74;
    break;

case 146:
    [w:GD62103] = 75;
    break;

case 147:
    [w:GD62103] = 75;
    break;

case 149:
    [w:GD62103] = 76;
    break;

case 150:
    [w:GD62103] = 77;
```

```
break;

case 151:
    [w:GD62103] = 78;
    break;

case 152:
    [w:GD62103] = 78;
    break;

case 153:
    [w:GD62103] = 79;
    break;

case 154:
    [w:GD62103] = 79;
    break;

case 155:
    [w:GD62103] = 80;
    break;

case 156:
    [w:GD62103] = 81;
    break;

case 157:
    [w:GD62103] = 81;
    break;

case 158:
    [w:GD62103] = 82;
    break;

case 159:
    [w:GD62103] = 82;
    break;

case 224:
    [w:GD62103] = 83;
    break;

case 225:
    [w:GD62103] = 83;
    break;

case 226:
    [w:GD62103] = 84;
    break;

case 227:
    [w:GD62103] = 84;
    break;

case 228:
    [w:GD62103] = 84;
    break;

case 229:
    [w:GD62103] = 85;
    break;

case 230:
    [w:GD62103] = 85;
```



```

break;

case 231:
    [w:GD62103] = 86;
break;

case 232:
    [w:GD62103] = 86;
break;

case 233:
    [w:GD62103] = 87;
break;

case 234:
    [w:GD62103] = 88;
break;

case 235:
    [w:GD62103] = 88;
break;

case 236:
    [w:GD62103] = 89;
break;

case 237:
    [w:GD62103] = 89;
break;

case 240:
    [w:GD62103] = 89;
break;

case 242:
    [w:GD62103] = 89;
break;

case 243:
    [w:GD62103] = 89;
break;

case 244:
    [w:GD62103] = 90;
break;

case 245:
    [w:GD62103] = 90;
break;

case 246:
    [w:GD62103] = 91;
break;

case 255:// No error
    [w:GD62103] = 1;
break;
}
}else{
    if([s16:U00-A100-ALM0] <=20){
        switch([s16:U00-A100-ALM0])
        {
            case 16:
                [w:GD62103] = 1;

```

```

        break;

        case 17:
            [w:GD62103] = 4;
            break;

        case 18:
            [w:GD62103] = 4;
            break;

        case 19:
            [w:GD62103] = 5;
            break;

        case 20:
            [w:GD62103] = 5;
            break;
    }
}

switch([s16:U00-A100-ALM0])
{
    case 21:
        [w:GD62103] = 7;
        break;

    case 22:
        [w:GD62103] = 8;
        break;

    case 23:
        [w:GD62103] = 10;
        break;

    case 25:
        [w:GD62103] = 11;
        break;

    case 26:
        [w:GD62103] = 12;
        break;

    case 27:
        [w:GD62103] = 12;
        break;

    case 30:
        [w:GD62103] = 13;
        break;

    case 31:
        [w:GD62103] = 13;
        break;

    case 32:
        [w:GD62103] = 14;
        break;

    case 33:
        [w:GD62103] = 16;
        break;

    case 36:
        [w:GD62103] = 17;

```

```
break;

case 37:
    [w:GD62103] = 19;
    break;

case 39:
    [w:GD62103] = 22;
    break;

case 40:
    [w:GD62103] = 23;
    break;

case 42:
    [w:GD62103] = 24;
    break;

case 43:
    [w:GD62103] = 24;
    break;

case 48:
    [w:GD62103] = 25;
    break;

case 49:
    [w:GD62103] = 26;
    break;

case 50:
    [w:GD62103] = 27;
    break;

case 51:
    [w:GD62103] = 29;
    break;

case 52:
    [w:GD62103] = 30;
    break;

case 53:
    [w:GD62103] = 31;
    break;

case 54:
    [w:GD62103] = 32;
    break;

case 55:
    [w:GD62103] = 33;
    break;

case 57:
    [w:GD62103] = 34;
    break;

case 58:
    [w:GD62103] = 35;
    break;

case 61:
    [w:GD62103] = 35;
```

```
break;

case 62:
    [w:GD62103] = 35;
    break;

case 66:
    [w:GD62103] = 36;
    break;

case 69:
    [w:GD62103] = 38;
    break;

case 70:
    [w:GD62103] = 39;
    break;

case 71:
    [w:GD62103] = 40;
    break;

case 80:
    [w:GD62103] = 40;
    break;

case 81:
    [w:GD62103] = 42;
    break;

case 82:
    [w:GD62103] = 43;
    break;

case 84:
    [w:GD62103] = 44;
    break;

case 86:
    [w:GD62103] = 45;
    break;

case 97:
    [w:GD62103] = 45;
    break;

case 99:
    [w:GD62103] = 46;
    break;

case 100:
    [w:GD62103] = 46;
    break;

case 101:
    [w:GD62103] = 47;
    break;

case 102:
    [w:GD62103] = 48;
    break;

case 103:
    [w:GD62103] = 49;
```

```
break;

case 104:
    [w:GD62103] = 50;
    break;

case 105:
    [w:GD62103] = 51;
    break;

case 112:
    [w:GD62103] = 53;
    break;

case 113:
    [w:GD62103] = 56;
    break;

case 114:
    [w:GD62103] = 57;
    break;

case 116:
    [w:GD62103] = 58;
    break;

case 117:
    [w:GD62103] = 59;
    break;

case 121:
    [w:GD62103] = 59;
    break;

case 122:
    [w:GD62103] = 62;
    break;

case 123:
    [w:GD62103] = 63;
    break;

case 124:
    [w:GD62103] = 64;
    break;

case 125:
    [w:GD62103] = 65;
    break;

case 130:
    [w:GD62103] = 66;
    break;

case 132:
    [w:GD62103] = 67;
    break;

case 133:
    [w:GD62103] = 69;
    break;

case 134:
    [w:GD62103] = 70;
```

```

break;

case 138:
    [w:GD62103] = 71;
break;

case 141:
    [w:GD62103] = 72;
break;

case 142:
    [w:GD62103] = 73;
break;

case 2184:// Watchdog
    [w:GD62103] = 75;
break;

// Warning below
case 144:
    [w:GD62103] = 77;
break;

case 145:
    [w:GD62103] = 79;
break;

case 146:
    [w:GD62103] = 80;
break;

case 147:
    [w:GD62103] = 80;
break;

case 149:
    [w:GD62103] = 81;
break;

case 150:
    [w:GD62103] = 83;
break;

case 151:
    [w:GD62103] = 83;
break;

case 152:
    [w:GD62103] = 84;
break;

case 153:
    [w:GD62103] = 84;
break;

case 154:
    [w:GD62103] = 85;
break;

case 155:
    [w:GD62103] = 85;
break;

```

```
case 156:
    [w:GD62103] = 86;
    break;

case 157:
    [w:GD62103] = 86;
    break;

case 158:
    [w:GD62103] = 87;
    break;

case 159:
    [w:GD62103] = 87;
    break;

case 224:
    [w:GD62103] = 88;
    break;

case 225:
    [w:GD62103] = 88;
    break;

case 226:
    [w:GD62103] = 89;
    break;

case 227:
    [w:GD62103] = 89;
    break;

case 228:
    [w:GD62103] = 90;
    break;

case 229:
    [w:GD62103] = 90;
    break;

case 230:
    [w:GD62103] = 90;
    break;

case 231:
    [w:GD62103] = 91;
    break;

case 232:
    [w:GD62103] = 91;
    break;

case 233:
    [w:GD62103] = 91;
    break;

case 234:
    [w:GD62103] = 93;
    break;

case 235:
    [w:GD62103] = 93;
    break;
```

```

    case 236:
        [w:GD62103] = 93;
        break;

    case 237:
        [w:GD62103] = 93;
        break;

    case 240:
        [w:GD62103] = 94;
        break;

    case 242:
        [w:GD62103] = 94;
        break;

    case 243:
        [w:GD62103] = 94;
        break;

    case 244:
        [w:GD62103] = 94;
        break;

    case 245:
        [w:GD62103] = 95;
        break;

    case 246:
        [w:GD62103] = 96;
        break;

    case 255:// No error
        [w:GD62103] = 1;
        break;
    }
}

if([s16:U00-A100-ALM0] == 255){
    [w:GD62198] = 16;
}else{
    [w:GD62198] = [s16:U00-A100-ALM0];
}
}

```

Script No.	30201	Script name	Script30201
Comment	Estimated Value Logging		
Data type	Signed BIN16	Trigger type	Sampling 5Sec
<pre> // Discrimination of Estimation completed (Torque in positive direction) if (([u16:U00-A1-MD2] & 0x000F) == 1) { //When 1 is stored set([b:GB62310]); // Estimation completed }else{ rst([b:GB62310]); // Estimation not completed } // Discrimination of Estimation completed (Torque in negative direction) if (([u16:U00-A1-MD2] >> 4 & 0x000F) == 1) { //When 1 is stored set([b:GB62311]); // Estimation completed }else{ rst([b:GB62311]); // Estimation not completed } // Discrimination of Estimation completed (Vibration) </pre>			


```

if ( ( [u16:U00-A1-MD2] >> 8 & 0x000F ) == 1 ) { //When 1 is stored
    set([b:GB62312]); // Estimation completed
}else{
    rst([b:GB62312]); // Estimation not completed
}

```

Script No.	30300	Script name	Script30300
Comment	Alarm Detection		
Data type	Signed BIN16	Trigger type	Ordinary
<pre> // Identify errors based on the alarm number and the detail number //[s16:U00-A1-ALM0] : alarm number //[s16:U00-A1-ALM1] : alarm detail number switch([s16:U00-A1-ALM1]) { case 0: if([s16:U00-A1-ALM0] == 2184){ [w:GD62100] = 299; }else{ [w:GD62100] = [s16:U00-A1-ALM0]; } break; case 1: [w:GD62100] = [s16:U00-A1-ALM0]; break; case 2: [w:GD62100] = 300 + [s16:U00-A1-ALM0]; break; case 3: [w:GD62100] = 600 + [s16:U00-A1-ALM0]; break; case 4: [w:GD62100] = 900 + [s16:U00-A1-ALM0]; break; case 5: [w:GD62100] = 1200 + [s16:U00-A1-ALM0]; break; case 6: [w:GD62100] = 1500 + [s16:U00-A1-ALM0]; break; case 7: [w:GD62100] = 1800 + [s16:U00-A1-ALM0]; break; case 8: [w:GD62100] = 2100 + [s16:U00-A1-ALM0]; break; case 9: [w:GD62100] = 2400 + [s16:U00-A1-ALM0]; break; case 10: [w:GD62100] = 2700 + [s16:U00-A1-ALM0]; break; </pre>			

```

case 11:
    [w:GD62100] = 3000 + [s16:U00-A1-ALM0];
    break;

case 12:
    [w:GD62100] = 3300 + [s16:U00-A1-ALM0];
    break;

case 13:
    [w:GD62100] = 3600 + [s16:U00-A1-ALM0];
    break;

case 14:
    [w:GD62100] = 3900 + [s16:U00-A1-ALM0];
    break;

case 15:
    [w:GD62100] = 4200 + [s16:U00-A1-ALM0];
    break;
}

```

5.8.2 Screen script

Base Screen 30001

Script No.	30021	Script name	Script30021
Comment	WhenValid/InvalidAxisScrnOpen		
Data Type	Signed BIN16	Trigger type	Rise GB62094
<pre> //Reflect settings when the window is opened. [w:GD63682] = 0; //Set the bit lamp offset [w:GD63683] = 0; //Name offset //Turn OFF trigger with validated between axis number 1 to 8. //OFF=Available ON=Not available [w:TMP0900] = 0; while([w:TMP0900] < 8) { if([b:GB61921[w:TMP900]] == OFF) { rst([b:GB62020[w:TMP0900]]); //Trigger OFF }else{ set([b:GB62020[w:TMP0900]]); //Trigger ON } [w:TMP0900] = [w:TMP0900] + 1; } </pre>			
Script No.	30018	Script name	Script30018
Comment	Processing before recipe saved		
Data Type	Signed BIN16	Trigger type	Rise GB62099
<pre> //Turn ON internal devices (GB61921~GB61984) according to validated axis number. [u32:TMP0900] = [u32:GD61531] ; [u32:TMP0901] = [u32:GD61533] ; [w:TMP0902] = 0; while([w:TMP0902] < 32) { if(([u32:TMP0900] & 0x00000001) == 1) { set([b:GB61921[w:TMP0902]]); } [u32:TMP0900] = [u32:TMP0900] >> 1; [w:TMP0902] = [w:TMP0902] + 1; } </pre>			

```

}

while([w:TMP0902] < 64)
{
    if([u32:TMP0901] & 0x00000001) == 1)
    {
        set([b:GB61921[w:TMP0902]]);
    }

    [u32:TMP0901] = [u32:TMP0901] >> 1;
    [w:TMP0902] = [w:TMP0902] + 1;
}

//Turn ON bit lamp in the axis selection window.
[w:TMP0903] = [w:GD60400] - 1;
set([b:GB62029[w:TMP0903]]);

```

rst([b:GB62099]); //Reset the flag to start to save recipe.

Script No.	30022	Script name	Script30022
Comment	Recipe saved		
Data Type	Signed BIN16	Trigger type	ON GB62094

//Store the results that were set in valid/invalid axis setting window in recipe.

```

if([w:GD60004] == 0 ) { //In case script switching device of overlap2 is 0 (While window2 is closed).
    [w:TMP0900] = 0;
    [u32:TMP0901] = [u32:GD61531]; //Store the latest current axis block.
    [u32:TMP0902] = [u32:GD61533];

```

```

//Reflect the results of ON/OFF status in word device.
while([w:TMP0900] < 32)
{
    if([b:GB61921[w:TMP0900]] == ON)
    {
        [u32:TMP0903] = 0x00000001 << [w:TMP0900] ;
        [u32:TMP0901] = [u32:TMP0901] | [u32:TMP0903];
    }else{
        [u32:TMP0903] = 0x00000001 << [w:TMP0900] ;
        [u32:TMP0901] = [u32:TMP0901] & (~[u32:TMP0903]);
    }
    [w:TMP0900] = [w:TMP0900] + 1;
}

```

```

while([w:TMP0900] < 64)
{
    if([b:GB61921[w:TMP0900]] == ON)
    {
        [u32:TMP0903] = 0x00000001 << [w:TMP0900] - 32;
        [u32:TMP0902] = [u32:TMP0902] | [u32:TMP0903];
    }else{
        [u32:TMP0903] = 0x00000001 << [w:TMP0900] - 32;
        [u32:TMP0902] = [u32:TMP0902] & (~[u32:TMP0903]);
    }
    [w:TMP0900] = [w:TMP0900] + 1;
}

```

```

[u32:GD61531] = [u32:TMP0901]; //Set GD61531 to the reflected results.
[u32:GD61533] = [u32:TMP0902]; //Set GD61533 to the reflected results.

```

set([b:GD61200.b1]); //Read recipe

rst([b:GB62094]); //Reset start flag for valid/invalid axis screen.

}			
Script No.	30019	Script name	Script30019
Comment	Processing after recipe saved.		
Data Type	Signed BIN16	Trigger type	Rise GD61110.b1
//Turn read trigger OFF after confirmation of during writing recipe. rst([b:GD61200.b1]);			
Script No.	30023	Script name	Script30023
Comment	Scroll up		
Data Type	Signed BIN16	Trigger type	Rise GB61919
//Scroll up //Set the bit lamp offset //Makes scrolling loop if([w:GD63682] >= 8) { [w:GD63682] = [w:GD63682] - 8; }else{ [w:GD63682] = 56; } //Set the name offset [w:GD63683] = [w:GD63682] * 20; //Turn OFF trigger with displayed and validated axis number. //OFF=Available ON=Not available [w:TMP0900] = [w:GD63682]; [w:TMP0901] = 0; while([w:TMP0901] < 8) { if([b:GB61921[w:TMP900]] == OFF) { rst([b:GB62020[w:TMP0901]]); //Trigger OFF }else{ set([b:GB62020[w:TMP0901]]); //Trigger ON } [w:TMP0900] = [w:TMP0900] + 1; [w:TMP0901] = [w:TMP0901] + 1; } }			
Script No.	30024	Script name	Script30024
Comment	Scroll down		
Data Type	Signed BIN16	Trigger type	Rise GB61920
//Scroll down //Set the bit lamp offset //Makes scrolling loop if([w:GD63682] < 56) { [w:GD63682] = [w:GD63682] + 8; }else{ [w:GD63682] = 0; } //Set the name offset [w:GD63683] = [w:GD63682] * 20; //Turn OFF trigger with displayed and validated station number. //OFF=Available ON=Not available			

```

[w:TMP0900] = [w:GD63682];
[w:TMP0901] = 0;
while([w:TMP0901] < 8)
{
    if([b:GB61921[w:TMP900]] == OFF)
    {
        rst([b:GB62020[w:TMP0901]]); //Trigger OFF
    }else{
        set([b:GB62020[w:TMP0901]]); //Trigger ON
    }

    [w:TMP0900] = [w:TMP0900] + 1;
    [w:TMP0901] = [w:TMP0901] + 1;
}

```

Base Screen 30013~30016

Script No.	30145	Script name	Script30145
Comment	Gain Adjustment Mode Selection		
Data Type	Unsigned BIN16	Trigger type	Ordinary
<pre> //Change the trigger in accordance with selected gain adjustment mode. switch([w:U00-A100-PA1008]){ case 0x0000: //2 gain adjustment mode 1 [w:GD61140] = 1; break; case 0x0001: //Auto tuning mode 1 [w:GD61140] = 2; break; case 0x0002: //Auto tuning mode 2 [w:GD61140] = 4; break; case 0x0003: //Manual mode [w:GD61140] = 8; break; case 0x0004: //2 gain adjustment mode 2 [w:GD61140] = 16; break; } </pre>			

Base Screen 30015

Script No.	30150	Script name	Script30150
Comment	Filter Setting Monitor		
Data Type	Unsigned BIN16	Trigger type	Ordinary
<pre> //Filter 1 [w:GD61600] = [w:U00-A100-PB1001] & 0x000F; [w:TMP850] = [w:U00-A100-PB1014] & 0x0F00; [w:GD61601] = [w:TMP850] >>8 ; [w:TMP851] = [w:U00-A100-PB1014] & 0x00F0; [w:GD61602] = [w:TMP851] >>4 ; //Filter 2 [w:GD61603] = [w:U00-A100-PB1016] & 0x000F; [w:TMP852] = [w:U00-A100-PB1016] & 0x0F00; [w:GD61604] = [w:TMP852] >>8 ; [w:TMP853] = [w:U00-A100-PB1016] & 0x00F0; [w:GD61605] = [w:TMP853] >>4 ; </pre>			

```

//Filter 3
[w:GD61606] = [w:U00-A100-PB1047] & 0x000F;

[w:TMP854] = [w:U00-A100-PB1047] & 0x0F00;
[w:GD61607] = [w:TMP854] >>8 ;

[w:TMP855] = [w:U00-A100-PB1047] & 0x00F0;
[w:GD61608] = [w:TMP855] >>4 ;

//Filter 4
[w:GD61609] = [w:U00-A100-PB1049] & 0x000F;

[w:TMP856] = [w:U00-A100-PB1049] & 0x0F00;
[w:GD61610] = [w:TMP856] >>8 ;

[w:TMP857] = [w:U00-A100-PB1049] & 0x00F0;
[w:GD61611] = [w:TMP857] >>4 ;

//Filter 5
if( [w:GD61619] == 1 ){ //When the low-pass filter is ON
    [w:GD61612] = 2;
}
else {
    [w:GD61612] = [w:U00-A100-PB1051] & 0x000F;
}

[w:TMP858] = [w:U00-A100-PB1051] & 0x0F00;
[w:GD61613] = [w:TMP858] >>8 ;

[w:TMP859] = [w:U00-A100-PB1051] & 0x00F0;
[w:GD61614] = [w:TMP859] >>4 ;

//Robust filter
[w:GD61619] = [w:U00-A100-PE1041] & 0x000F;

```

Script No.	30151	Script name	Script30151
Comment	Filter 1 Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61200

```

[w:GD61551]=[w:U00-A100-PB1001];

switch([w:GD61550]){
    case 0 : //Input 0000 in GD61551
        [b:GD61551.b0]=0;
        [b:GD61551.b1]=0;
        [b:GD61551.b2]=0;
        [b:GD61551.b3]=0;
        set([b:GB61250]); //Turn on the input signal
        break;

    case 1: //Input 0001 in GD61551
        [b:GD61551.b0]=1;
        [b:GD61551.b1]=0;
        [b:GD61551.b2]=0;
        [b:GD61551.b3]=0;
        set([b:GB61250]); //Turn on the input signal
        break;

    case 2: //Input 0002 in GD61551

```

```

[b:GD61551.b0]=0;
[b:GD61551.b1]=1;
[b:GD61551.b2]=0;
[b:GD61551.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1001]=[w:GD61551]; //Substitute GD61551 in PB1001
rst([b:GB61200]);
rst([b:GB61250]);
}

```

Script No.	30152	Script name	Script30152
Comment	Filter 1 Notch Width		
Data Type	Unsigned BIN16	Trigger type	ON GB61201

```

[w:GD61553]=[w:U00-A100-PB1014];

switch([w:GD61552]){
case 0 : //Input 0000 in GD61553
[b:GD61553.b8]=0;
[b:GD61553.b9]=0;
[b:GD61553.b10]=0;
[b:GD61553.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0100 in GD61553
[b:GD61553.b8]=1;
[b:GD61553.b9]=0;
[b:GD61553.b10]=0;
[b:GD61553.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0200 in GD61553
[b:GD61553.b8]=0;
[b:GD61553.b9]=1;
[b:GD61553.b10]=0;
[b:GD61553.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 3 : //Input 0300 in GD61553
[b:GD61553.b8]=1;
[b:GD61553.b9]=1;
[b:GD61553.b10]=0;
[b:GD61553.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1014]=[w:GD61553]; //Substitute GD61553 in PB1014
rst([b:GB61201]);
rst([b:GB61250]);
}

```

Script No.	30153	Script name	Script30153
Comment	Filter 1 Notch Depth		
Data Type	Unsigned BIN16	Trigger type	ON GB61202
<pre> [w:GD61553]=[w:U00-A100-PB1014]; switch([w:GD61554]){ case 0 : //Input 0000 in GD61553 [b:GD61553.b4]=0; [b:GD61553.b5]=0; [b:GD61553.b6]=0; [b:GD61553.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0010 in GD61553 [b:GD61553.b4]=1; [b:GD61553.b5]=0; [b:GD61553.b6]=0; [b:GD61553.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 2 : //Input 0020 in GD61553 [b:GD61553.b4]=0; [b:GD61553.b5]=1; [b:GD61553.b6]=0; [b:GD61553.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 3 : //Input 0030 in GD61553 [b:GD61553.b4]=1; [b:GD61553.b5]=1; [b:GD61553.b6]=0; [b:GD61553.b7]=0; set([b:GB61250]); //Turn on the input signal break; } if ([b:GB61250] == ON) { //When turning on the input signal [w:U00-A100-PB1014]=[w:GD61553]; //Substitute GD61553 in PB1014 rst([b:GB61202]); rst([b:GB61250]); } </pre>			
Script No.	30154	Script name	Script30154
Comment	Filter 2 Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61203
<pre> [w:GD61556]=[w:U00-A100-PB1016]; switch([w:GD61555]){ case 0 : //Input 0000 in GD61556 [b:GD61556.b0]=0; [b:GD61556.b1]=0; [b:GD61556.b2]=0; [b:GD61556.b3]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0001 in GD61556 </pre>			


```

[b:GD61556.b0]=1;
[b:GD61556.b1]=0;
[b:GD61556.b2]=0;
[b:GD61556.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;
}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1016]=[w:GD61556]; //Substitute GD61556 in PB1016
rst([b:GB61203]);
rst([b:GB61250]);
}

```

Script No.	30155	Script name	Script30155
Comment	Filter 2 Notch Width		
Data Type	Unsigned BIN16	Trigger type	ON GB61204

```

[w:GD61556]=[w:U00-A100-PB1016];

switch([w:GD61557]){
  case 0 : //Input 0000 in GD61556
    [b:GD61556.b8]=0;
    [b:GD61556.b9]=0;
    [b:GD61556.b10]=0;
    [b:GD61556.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 1 : //Input 0100 in GD61556
    [b:GD61556.b8]=1;
    [b:GD61556.b9]=0;
    [b:GD61556.b10]=0;
    [b:GD61556.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 2 : //Input 0200 in GD61556
    [b:GD61556.b8]=0;
    [b:GD61556.b9]=1;
    [b:GD61556.b10]=0;
    [b:GD61556.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 3 : //Input 0300 in GD61556
    [b:GD61556.b8]=1;
    [b:GD61556.b9]=1;
    [b:GD61556.b10]=0;
    [b:GD61556.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1016]=[w:GD61556]; //Substitute GD61556 in PB1016
rst([b:GB61204]);
rst([b:GB61250]);
}

```

Script No.	30156	Script name	Script30156
Comment	Filter 2 Notch Depth		
Data Type	Unsigned BIN16	Trigger type	ON GB61205
<pre> [w:GD61556]=[w:U00-A100-PB1016]; switch([w:GD61558]){ case 0 : //Input 0000 in GD61556 [b:GD61556.b4]=0; [b:GD61556.b5]=0; [b:GD61556.b6]=0; [b:GD61556.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0010 in GD61556 [b:GD61556.b4]=1; [b:GD61556.b5]=0; [b:GD61556.b6]=0; [b:GD61556.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 2 : //Input 0020 in GD61556 [b:GD61556.b4]=0; [b:GD61556.b5]=1; [b:GD61556.b6]=0; [b:GD61556.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 3 : //Input 0030 in GD61556 [b:GD61556.b4]=1; [b:GD61556.b5]=1; [b:GD61556.b6]=0; [b:GD61556.b7]=0; set([b:GB61250]); //Turn on the input signal break; } if ([b:GB61250] == ON) { //When turning on the input signal [w:U00-A100-PB1016]=[w:GD61556]; //Substitute GD61556 in PB1016 rst([b:GB61205]); rst([b:GB61250]); } </pre>			
Script No.	30157	Script name	Script30157
Comment	Filter 3 Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61206
<pre> [w:GD61560]=[w:U00-A100-PB1047]; switch([w:GD61559]){ case 0 : //Input 0000 in GD61560 [b:GD61560.b0]=0; [b:GD61560.b1]=0; [b:GD61560.b2]=0; [b:GD61560.b3]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0001 in GD61560 </pre>			

```

[b:GD61560.b0]=1;
[b:GD61560.b1]=0;
[b:GD61560.b2]=0;
[b:GD61560.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;
}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1047]=[w:GD61560]; //Substitute GD61560 in PB1047
rst([b:GB61206]);
rst([b:GB61250]);
}

```

Script No.	30158	Script name	Script30158
Comment	Filter 3 Notch Width		
Data Type	Unsigned BIN16	Trigger type	ON GB61207

```

[w:GD61560]=[w:U00-A100-PB1047];

switch([w:GD61561]){
case 0 : //Input 0000 in GD61560
[b:GD61560.b8]=0;
[b:GD61560.b9]=0;
[b:GD61560.b10]=0;
[b:GD61560.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0100 in GD61560
[b:GD61560.b8]=1;
[b:GD61560.b9]=0;
[b:GD61560.b10]=0;
[b:GD61560.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0200 in GD61560
[b:GD61560.b8]=0;
[b:GD61560.b9]=1;
[b:GD61560.b10]=0;
[b:GD61560.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 3 : //Input 0300 in GD61560
[b:GD61560.b8]=1;
[b:GD61560.b9]=1;
[b:GD61560.b10]=0;
[b:GD61560.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;
}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1047]=[w:GD61560]; //Substitute GD61560 in PB1047
rst([b:GB61207]);
rst([b:GB61250]);
}

```

Script No.	30159	Script name	Script30159
Comment	Filter 3 Notch Depth		
Data Type	Unsigned BIN16	Trigger type	ON GB61208
<pre> [w:GD61560]=[w:U00-A100-PB1047]; switch([w:GD61562]){ case 0 : //Input 0000 in GD61560 [b:GD61560.b4]=0; [b:GD61560.b5]=0; [b:GD61560.b6]=0; [b:GD61560.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0010 in GD61560 [b:GD61560.b4]=1; [b:GD61560.b5]=0; [b:GD61560.b6]=0; [b:GD61560.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 2 : //Input 0020 in GD61560 [b:GD61560.b4]=0; [b:GD61560.b5]=1; [b:GD61560.b6]=0; [b:GD61560.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 3 : //Input 0030 in GD61560 [b:GD61560.b4]=1; [b:GD61560.b5]=1; [b:GD61560.b6]=0; [b:GD61560.b7]=0; set([b:GB61250]); //Turn on the input signal break; } if ([b:GB61250] == ON) { //When turning on the input signal [w:U00-A100-PB1047]=[w:GD61560]; //Substitute GD61560 in PB1047 rst([b:GB61208]); rst([b:GB61250]); } </pre>			
Script No.	30160	Script name	Script30160
Comment	Filter 4 Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61209
<pre> [w:GD61564]=[w:U00-A100-PB1049]; switch([w:GD61563]){ case 0 : //Input 0000 in GD61564 [b:GD61564.b0]=0; [b:GD61564.b1]=0; [b:GD61564.b2]=0; [b:GD61564.b3]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0001 in GD61564 </pre>			

```

[b:GD61564.b0]=1;
[b:GD61564.b1]=0;
[b:GD61564.b2]=0;
[b:GD61564.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;
}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1049]=[w:GD61564]; //Substitute GD61564 in PB1049
rst([b:GB61209]);
rst([b:GB61250]);
}

```

Script No.	30161	Script name	Script30161
Comment	Filter 4 Notch Width		
Data Type	Unsigned BIN16	Trigger type	ON GB61210

```

[w:GD61564]=[w:U00-A100-PB1049];

switch([w:GD61565]){
  case 0 : //Input 0000 in GD61564
    [b:GD61564.b8]=0;
    [b:GD61564.b9]=0;
    [b:GD61564.b10]=0;
    [b:GD61564.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 1 : //Input 0100 in GD61564
    [b:GD61564.b8]=1;
    [b:GD61564.b9]=0;
    [b:GD61564.b10]=0;
    [b:GD61564.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 2 : //Input 0200 in GD61564
    [b:GD61564.b8]=0;
    [b:GD61564.b9]=1;
    [b:GD61564.b10]=0;
    [b:GD61564.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 3 : //Input 0300 in GD61564
    [b:GD61564.b8]=1;
    [b:GD61564.b9]=1;
    [b:GD61564.b10]=0;
    [b:GD61564.b11]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1049]=[w:GD61564]; //Substitute GD61564 in PB1049
rst([b:GB61210]);
rst([b:GB61250]);
}

```

Script No.	30162	Script name	Script30162
Comment	Filter 4 Notch Depth		
Data Type	Unsigned BIN16	Trigger type	ON GB61211
<pre> [w:GD61564]=[w:U00-A100-PB1049]; switch([w:GD61566]){ case 0 : //Input 0000 in GD61564 [b:GD61564.b4]=0; [b:GD61564.b5]=0; [b:GD61564.b6]=0; [b:GD61564.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0010 in GD61564 [b:GD61564.b4]=1; [b:GD61564.b5]=0; [b:GD61564.b6]=0; [b:GD61564.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 2 : //Input 0020 in GD61564 [b:GD61564.b4]=0; [b:GD61564.b5]=1; [b:GD61564.b6]=0; [b:GD61564.b7]=0; set([b:GB61250]); //Turn on the input signal break; case 3 : //Input 0030 in GD61564 [b:GD61564.b4]=1; [b:GD61564.b5]=1; [b:GD61564.b6]=0; [b:GD61564.b7]=0; set([b:GB61250]); //Turn on the input signal break; } if ([b:GB61250] == ON) { //When turning on the input signal [w:U00-A100-PB1049]=[w:GD61564]; //Substitute GD61564 in PB1049 rst([b:GB61211]); rst([b:GB61250]); } </pre>			
Script No.	30163	Script name	Script30163
Comment	Filter 5 Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61212
<pre> [w:GD61568]=[w:U00-A100-PB1051]; switch([w:GD61567]){ case 0 : //Input 0000 in GD61568 [b:GD61568.b0]=0; [b:GD61568.b1]=0; [b:GD61568.b2]=0; [b:GD61568.b3]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0001 in GD61568 </pre>			

```

[b:GD61568.b0]=1;
[b:GD61568.b1]=0;
[b:GD61568.b2]=0;
[b:GD61568.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;
}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1051]=[w:GD61568]; //Substitute GD61568 in PB1051
rst([b:GB61212]);
rst([b:GB61250]);
}

```

Script No.	30164	Script name	Script30164
Comment	Filter 5 Notch Width		
Data Type	Unsigned BIN16	Trigger type	ON GB61213

```

[w:GD61568]=[w:U00-A100-PB1051];

switch([w:GD61569]){
case 0 : //Input 0000 in GD61568
[b:GD61568.b8]=0;
[b:GD61568.b9]=0;
[b:GD61568.b10]=0;
[b:GD61568.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0100 in GD61568
[b:GD61568.b8]=1;
[b:GD61568.b9]=0;
[b:GD61568.b10]=0;
[b:GD61568.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0200 in GD61568
[b:GD61568.b8]=0;
[b:GD61568.b9]=1;
[b:GD61568.b10]=0;
[b:GD61568.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 3 : //Input 0300 in GD61568
[b:GD61568.b8]=1;
[b:GD61568.b9]=1;
[b:GD61568.b10]=0;
[b:GD61568.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1051]=[w:GD61568]; //Substitute GD61568 in PB1051
rst([b:GB61213]);
rst([b:GB61250]);
}

```

Script No.	30165	Script name	Script30165
Comment	Filter 5 Notch Depth		
Data Type	Unsigned BIN16	Trigger type	ON GB61214

```
[w:GD61568]=[w:U00-A100-PB1051];

switch([w:GD61570]){
  case 0 : //Input 0000 in GD61568
    [b:GD61568.b4]=0;
    [b:GD61568.b5]=0;
    [b:GD61568.b6]=0;
    [b:GD61568.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 1 : //Input 0010 in GD61568
    [b:GD61568.b4]=1;
    [b:GD61568.b5]=0;
    [b:GD61568.b6]=0;
    [b:GD61568.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 2 : //Input 0020 in GD61568
    [b:GD61568.b4]=0;
    [b:GD61568.b5]=1;
    [b:GD61568.b6]=0;
    [b:GD61568.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

    case 3 : //Input 0030 in GD61568
    [b:GD61568.b4]=1;
    [b:GD61568.b5]=1;
    [b:GD61568.b6]=0;
    [b:GD61568.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
  [w:U00-A100-PB1051]=[w:GD61568]; //Substitute GD61568 in PB1051
  rst([b:GB61214]);
  rst([b:GB61250]);
}
}
```

Base Screen 30016

Script No.	30170	Script name	Script30170
Comment	Filter Setting Monitor 2		
Data Type	Unsigned BIN16	Trigger type	Ordinary

```
//Low-pass filter
[w:TMP860] = [w:U00-A100-PB1023] & 0x00F0;
[w:GD61615] = [w:TMP860] >>4 ;

//shaft resonance suppression filter
if ( [w:GD61609] == 1 ){//When filter 4 is ON
  [w:GD61616] =3;
}
else {
```



```
[w:GD61616] = [w:U00-A100-PB1023] & 0x000F;
}
```

```
[w:GD61617] = [w:U00-A100-PB1017] & 0x00FF;
```

```
[w:TMP861] = [w:U00-A100-PB1017] & 0x0F00;
[w:GD61618] = [w:TMP861] >>8 ;
```

```
//Robust filter
[w:GD61619] = [w:U00-A100-PE1041] & 0x000F;
```

```
//Filter 4
[w:GD61609] = [w:U00-A100-PB1049] & 0x000F;
```

Script No.	30171	Script name	Script30171
Comment	Low-pass Filter Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61215

```
[w:GD61572]=[w:U00-A100-PB1023];
```

```
switch([w:GD61571]){
  case 0 : //Input 0000 in GD61572
    [b:GD61572.b4]=0;
    [b:GD61572.b5]=0;
    [b:GD61572.b6]=0;
    [b:GD61572.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;
```

```
  case 1 : //Input 0010 in GD61572
    [b:GD61572.b4]=1;
    [b:GD61572.b5]=0;
    [b:GD61572.b6]=0;
    [b:GD61572.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;
```

```
  case 2 : //Input 0020 in GD61572
    [b:GD61572.b4]=0;
    [b:GD61572.b5]=1;
    [b:GD61572.b6]=0;
    [b:GD61572.b7]=0;
    set([b:GB61250]); //Turn on the input signal
    break;
```

```
}
```

```
if ( [b:GB61250] == ON ) { //When turning on the input signal
  [w:U00-A100-PB1023]=[w:GD61572]; //Substitute GD61572 in PB1023
  rst([b:GB61215]);
  rst([b:GB61250]);
}
```

Script No.	30172	Script name	Script30172
Comment	Shaft Res. Supp. Filter Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61216

```
[w:GD61574]=[w:U00-A100-PB1023];
```

```
switch([w:GD61573]){
```

```

case 0 : //Input 0000 in GD61574
[b:GD61574.b0]=0;
[b:GD61574.b1]=0;
[b:GD61574.b2]=0;
[b:GD61574.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0001 in GD61574
[b:GD61574.b0]=1;
[b:GD61574.b1]=0;
[b:GD61574.b2]=0;
[b:GD61574.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0002 in GD61574
[b:GD61574.b0]=0;
[b:GD61574.b1]=1;
[b:GD61574.b2]=0;
[b:GD61574.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1023]=[w:GD61574]; //Substitute GD61574 in PB1023
rst([b:GB61216]);
rst([b:GB61250]);
}

```

Script No.	30173	Script name	Script30173
Comment	Shaft Res.Supp.Filter Frequency		
Data Type	Unsigned BIN16	Trigger type	ON GB61217

```

[w:GD61576]=[w:U00-A100-PB1017];

switch([w:GD61575]){
case 0 : //Input 0000 in GD61576
[b:GD61576.b0]=0;
[b:GD61576.b1]=0;
[b:GD61576.b2]=0;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0001 in GD61576
[b:GD61576.b0]=1;
[b:GD61576.b1]=0;
[b:GD61576.b2]=0;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0002 in GD61576

```

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=1;
[b:GD61576.b2]=0;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 3 : //Input 0003 in GD61576

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=1;
[b:GD61576.b2]=0;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 4 : //Input 0004 in GD61576

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=0;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 5 : //Input 0005 in GD61576

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=0;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 6 : //Input 0006 in GD61576

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=1;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 7 : //Input 0007 in GD61576

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=1;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
```

```
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 8 : //Input 0008 in GD61576

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=0;
[b:GD61576.b2]=0;
[b:GD61576.b3]=1;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 9 : //Input 0009 in GD61576

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=0;
[b:GD61576.b2]=0;
[b:GD61576.b3]=1;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 10 : //Input 000A in GD61576

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=1;
[b:GD61576.b2]=0;
[b:GD61576.b3]=1;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 11 : //Input 000B in GD61576

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=1;
[b:GD61576.b2]=0;
[b:GD61576.b3]=1;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

case 12 : //Input 000C in GD61576

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=0;
[b:GD61576.b2]=1;
[b:GD61576.b3]=1;
[b:GD61576.b4]=0;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
```

```
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 13 : //Input 000D in GD61576
```

```
[b:GD61576.b0]=1;  
[b:GD61576.b1]=0;  
[b:GD61576.b2]=1;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=0;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 14 : //Input 000E in GD61576
```

```
[b:GD61576.b0]=0;  
[b:GD61576.b1]=1;  
[b:GD61576.b2]=1;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=0;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 15 : //Input 000F in GD61576
```

```
[b:GD61576.b0]=1;  
[b:GD61576.b1]=1;  
[b:GD61576.b2]=1;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=0;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 16 : //Input 0010 in GD61576
```

```
[b:GD61576.b0]=0;  
[b:GD61576.b1]=0;  
[b:GD61576.b2]=0;  
[b:GD61576.b3]=0;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 17 : //Input 0011 in GD61576
```

```
[b:GD61576.b0]=1;  
[b:GD61576.b1]=0;  
[b:GD61576.b2]=0;  
[b:GD61576.b3]=0;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 18 : //Input 0012 in GD61576
```

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=1;
[b:GD61576.b2]=0;
[b:GD61576.b3]=0;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 19 : //Input 0013 in GD61576
[b:GD61576.b0]=1;
[b:GD61576.b1]=1;
[b:GD61576.b2]=0;
[b:GD61576.b3]=0;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 20 : //Input 0014 in GD61576
[b:GD61576.b0]=0;
[b:GD61576.b1]=0;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 21 : //Input 0015 in GD61576
[b:GD61576.b0]=1;
[b:GD61576.b1]=0;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 22 : //Input 0016 in GD61576
[b:GD61576.b0]=0;
[b:GD61576.b1]=1;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 23 : //Input 0017 in GD61576
[b:GD61576.b0]=1;
[b:GD61576.b1]=1;
[b:GD61576.b2]=1;
[b:GD61576.b3]=0;
```

```
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 24 : //Input 0018 in GD61576  
[b:GD61576.b0]=0;  
[b:GD61576.b1]=0;  
[b:GD61576.b2]=0;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 25 : //Input 0019 in GD61576  
[b:GD61576.b0]=1;  
[b:GD61576.b1]=0;  
[b:GD61576.b2]=0;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 26 : //Input 001A in GD61576  
[b:GD61576.b0]=0;  
[b:GD61576.b1]=1;  
[b:GD61576.b2]=0;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 27 : //Input 001B in GD61576  
[b:GD61576.b0]=1;  
[b:GD61576.b1]=1;  
[b:GD61576.b2]=0;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;  
set([b:GB61250]); //Turn on the input signal  
break;
```

```
case 28 : //Input 001C in GD61576  
[b:GD61576.b0]=0;  
[b:GD61576.b1]=0;  
[b:GD61576.b2]=1;  
[b:GD61576.b3]=1;  
[b:GD61576.b4]=1;  
[b:GD61576.b5]=0;  
[b:GD61576.b6]=0;  
[b:GD61576.b7]=0;
```

```
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 29 : //Input 001D in GD61576
```

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=0;
[b:GD61576.b2]=1;
[b:GD61576.b3]=1;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
```

```
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 30 : //Input 001E in GD61576
```

```
[b:GD61576.b0]=0;
[b:GD61576.b1]=1;
[b:GD61576.b2]=1;
[b:GD61576.b3]=1;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
```

```
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 31 : //Input 001F in GD61576
```

```
[b:GD61576.b0]=1;
[b:GD61576.b1]=1;
[b:GD61576.b2]=1;
[b:GD61576.b3]=1;
[b:GD61576.b4]=1;
[b:GD61576.b5]=0;
[b:GD61576.b6]=0;
[b:GD61576.b7]=0;
```

```
set([b:GB61250]); //Turn on the input signal
break;
```

```
}
```

```
if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1017]=[w:GD61576]; //Substitute GD61576 in PB1017
rst([b:GB61217]);
rst([b:GB61250]);
}
```

Script No.	30174	Script name	Script30174
Comment	Shaft Res.Supp.Filter NotchDepth		
Data Type	Unsigned BIN16	Trigger type	ON GB61218

```
[w:GD61576]=[w:U00-A100-PB1017];
```

```
switch([w:GD61577]){
```

```
case 0 : //Input 0000 in GD61576
```

```
[b:GD61576.b8]=0;
[b:GD61576.b9]=0;
[b:GD61576.b10]=0;
[b:GD61576.b11]=0;
```

```
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 1 : //Input 0100 in GD61576
```

```
[b:GD61576.b8]=1;
```



```
[b:GD61576.b9]=0;
[b:GD61576.b10]=0;
[b:GD61576.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 2 : //Input 0200 in GD61576
[b:GD61576.b8]=0;
[b:GD61576.b9]=1;
[b:GD61576.b10]=0;
[b:GD61576.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 3 : //Input 0300 in GD61576
[b:GD61576.b8]=1;
[b:GD61576.b9]=1;
[b:GD61576.b10]=0;
[b:GD61576.b11]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
}
```

```
if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1017]=[w:GD61576]; //Substitute GD61576 in PB1017
rst([b:GB61218]);
rst([b:GB61250]);
}
```

Script No.	30175	Script name	Script30175
Comment	Robust Filter Setting		
Data Type	Unsigned BIN16	Trigger type	ON GB61219

```
[w:GD61579]=[w:U00-A100-PE1041];
```

```
switch([w:GD61578]){
case 0 : //Input 0000 in GD61579
[b:GD61579.b0]=0;
[b:GD61579.b1]=0;
[b:GD61579.b2]=0;
[b:GD61579.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
case 1 : //Input 0001 in GD61579
[b:GD61579.b0]=1;
[b:GD61579.b1]=0;
[b:GD61579.b2]=0;
[b:GD61579.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;
```

```
}
```

```
if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PE1041]=[w:GD61579]; //Substitute GD61579 in PE1041
rst([b:GB61219]);
rst([b:GB61250]);
}
```

Base Screen 30017

Script No.	30180	Script name	Script30180
Comment	Vibration Supp. Control Monitor		
Data Type	Unsigned BIN16	Trigger type	Ordinary
<pre>//Vibration suppression control mode selection [w:GD61625] = [w:U00-A100-PA1024] & 0x000F; //Vibration suppression control 1 [w:GD61626] = [w:U00-A100-PB1002] & 0x000F; //Vibration suppression control 2 [w:TMP865] = [w:U00-A100-PB1002] & 0x00F0; [w:GD61627] = [w:TMP865] >>4 ;</pre>			
Script No.	30181	Script name	Script30181
Comment	Control Setting 1		
Data Type	Unsigned BIN16	Trigger type	ON GB61221
<pre>[w:GD61623]=[w:U00-A100-PB1002]; switch([w:GD61622]){ case 0 : //Input 0000 in GD61523 [b:GD61623.b0]=0; [b:GD61623.b1]=0; [b:GD61623.b2]=0; [b:GD61623.b3]=0; set([b:GB61250]); //Turn on the input signal break; case 1 : //Input 0001 in GD61523 [b:GD61623.b0]=1; [b:GD61623.b1]=0; [b:GD61623.b2]=0; [b:GD61623.b3]=0; set([b:GB61250]); //Turn on the input signal break; case 2 : //Input 0003 in GD61523 [b:GD61623.b0]=0; [b:GD61623.b1]=1; [b:GD61623.b2]=0; [b:GD61623.b3]=0; set([b:GB61250]); //Turn on the input signal break; } if ([b:GB61250] == ON) { //When turning on the input signal [w:U00-A100-PB1002]=[w:GD61623]; //Substitute GD61623 in PB1002 rst([b:GB61221]); rst([b:GB61250]); }</pre>			
Script No.	30182	Script name	Script30182
Comment	Control Setting 2		
Data Type	Unsigned BIN16	Trigger type	ON GB61222
<pre>[w:GD61623]=[w:U00-A100-PB1002]; switch([w:GD61624]){ case 0 : //Input 0000 in GD61523</pre>			

```

[b:GD61623.b4]=0;
[b:GD61623.b5]=0;
[b:GD61623.b6]=0;
[b:GD61623.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0010 in GD61523
[b:GD61623.b4]=1;
[b:GD61623.b5]=0;
[b:GD61623.b6]=0;
[b:GD61623.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0020 in GD61523
[b:GD61623.b4]=0;
[b:GD61623.b5]=1;
[b:GD61623.b6]=0;
[b:GD61623.b7]=0;
set([b:GB61250]); //Turn on the input signal
break;

}

if ( [b:GB61250] == ON ) { //When turning on the input signal
[w:U00-A100-PB1002]=[w:GD61623]; //Substitute GD61623 in PB1002
rst([b:GB61222]);
rst([b:GB61250]);
}

```

Script No.	30183	Script name	Script30183
Comment	Vib. Supp. Ctrl. mode selection		
Data Type	Unsigned BIN16	Trigger type	ON GB61220

```

[w:GD61621]=[w:U00-A100-PA1024];

switch([w:GD61620]){
case 0 : //Input 0000 in GD61621
[b:GD61621.b0]=0;
[b:GD61621.b1]=0;
[b:GD61621.b2]=0;
[b:GD61621.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 1 : //Input 0001 in GD61621
[b:GD61621.b0]=1;
[b:GD61621.b1]=0;
[b:GD61621.b2]=0;
[b:GD61621.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

case 2 : //Input 0002 in GD61621
[b:GD61621.b0]=0;
[b:GD61621.b1]=1;
[b:GD61621.b2]=0;
[b:GD61621.b3]=0;
set([b:GB61250]); //Turn on the input signal
break;

}

```

```

if ( [b:GB61250] == ON ) { //When turning on the input signal
  [w:U00-A100-PA1024]=[w:GD61621]; //Substitute GD61621 in PA1024
  rst([b:GB61220]);
  rst([b:GB61250]);
}

```

Base Screen 30019

Script No.	30115	Script name	Script30115
Comment	Response mode selection		
Data Type	Signed BIN16	Trigger type	Rise GB60000
<pre> rst([b:GB60000]); //Start the tuning in accordance with the selected response mode switch([w:GD61130]){ case 1: set([b:U00-A100-OTI1]); //High mode break; case 2: set([b:U00-A100-OTI0]); //Basic mode break; case 3: set([b:U00-A100-OTI2]); //Low mode break; } </pre>			

Base Screen 30023

Script No.	30125	Script name	Script30125
Comment	Start/End JOG operation		
Data Type	Signed BIN16	Trigger type	Rise/Fall GB60010
<pre> //Start operation if([b:GB60010] == ON){ set([b:U00-A100-OM1]); //Switch to JOG operation mode. set([b:GB60011]); //Turn ON the trigger for transferring the motor speed set([b:GB60012]); //Turn ON the trigger for transferring the acceleration/deceleration time constant }else{ set([b:U00-A100-OM0]); //End test operation mode. } </pre>			
Script No.	30126	Script name	Script30126
Comment	Transfer motor speed		
Data Type	Unsigned BIN32	Trigger type	Rise GB60011
<pre> [u32:U00-A100-TMD0] = [w:GD61201]; //Substitute the value of GD61201 in TMD0 device rst([b:GB60011]); //Switch Trigger OFF </pre>			
Script No.	30127	Script name	Script30127
Comment	Transfer accel/decel constant		
Data Type	Unsigned BIN32	Trigger type	Rise GB60012
<pre> [u32:U00-A100-TMD1] = [w:GD61203]; //Substitute the value of GD61203 in TMD1 device rst([b:GB60012]); //Switch Trigger OFF </pre>			
Script No.	30128	Script name	Script30128
Comment	Forward rotation operation		
Data Type	Signed BIN16	Trigger type	上 升 沿 / 下 降 沿 GB60013
<pre> if([b:GB60013] == ON){ //When the trigger signal rises [u32:U00-A100-TMI0] = 0x00000801; //Substitute 2049(0x0801) in TMI0 device } </pre>			

```

}else{                                //When the trigger signal falls
    [u32:U00-A100-TMI0] = 0x00000001; //Substitute 1(0x0001) in TMI0 device
}

```

Script No.	30129	Script name	Script30129
Comment	Reverse rotation operation		
Data Type	Signed BIN16	Trigger type	Rise/Fall GB60014
<pre> if([b:GB60014] == ON){ //When the trigger signal rises [u32:U00-A100-TMI0] = 4097; //Substitute 4097(0x1001) in TMI0 device }else{ //When the trigger signal falls [u32:U00-A100-TMI0] = 1; //Substitute 1(0x0001) in TMI0 device } </pre>			

Script No.	30120	Script name	Script30120
Comment	Superimpose window control		
Data Type	Signed BIN16	Trigger type	Rise GB40
<pre> //Display the status display screen [w:GD60016]=30101; </pre>			

Base Screen 30025

Script No.	30130	Script name	Script30130
Comment	Start/EndPositioningOperation		
Data Type	Signed BIN16	Trigger type	Rise/Fall GB60015
<pre> //Start operation if([b:GB60015] == ON){ set([b:U00-A100-OM2]); //Switch to positioning operation mode set([b:GB60011]); //Turn ON the trigger to transfer motor speed set([b:GB60012]); //Turn ON the trigger to transfer acceleration/deceleration constant set([b:GB60016]); //Turn travel distance transfer trigger ON. }else{ set([b:U00-A100-OM0]); //End test operation mode } </pre>			
Script No.	30126	Script name	Script30126
Comment	Transfer motor speed		
Data Type	Unsigned BIN32	Trigger type	Rise GB60011
<pre> [u32:U00-A100-TMD0] = [w:GD61201]; //Substitute the value of GD61201 in TMD0 device rst([b:GB60011]); //Switch Trigger OFF </pre>			
Script No.	30127	Script name	Script30127
Comment	Transfer accel/decel constant		
Data Type	Unsigned BIN32	Trigger type	Rise GB60012
<pre> [u32:U00-A100-TMD1] = [w:GD61203]; //Substitute the value of GD61203 in TMD1 device rst([b:GB60012]); //Switch Trigger OFF </pre>			
Script No.	30131	Script name	Script30131
Comment	Transfer travel distance		
Data Type	Unsigned BIN32	Trigger type	Rise GB60016
<pre> [u32:U00-A100-TMD3] = [w:GD61205]; //Substitute the value of GD61205 in TMD3 Device [b:GB60016] = OFF; //Switch Trigger OFF </pre>			
Script No.	30120	Script name	Script30120
Comment	Superimpose window control		
Data Type	Signed BIN16	Trigger type	Rise GB40

```
//Display the status display screen
[w:GD60016]=30101;
```

Base Screen 30029

Script No.	30135	Script name	Script30135
Comment	Start/End (DO) forced output		
Data Type	Signed BIN16	Trigger type	Rise/Fall GB60017
<pre>//Start operation if([b:GB60017] == ON){ [w:GD61351] = 0; //Clear dummy device [w:GD61352] = 0; //Clear dummy device set([b:U00-A100-OM4]); //Switch to output signal (DO) forced output mode. }else{ [w:GD61351] = 0; //Clear dummy device [w:GD61352] = 0; //Clear dummy device set([b:U00-A100-OM0]); //End test operation mode }</pre>			
Script No.	30136	Script name	Script30136
Comment	Output signal selection		
Data Type	Unsigned BIN16	Trigger type	ON GB60017
<pre>if([w:GD61352] != [w:GD61351]){ //When the signal has changed [u32:U00-A100-TMO0] = [w:GD61351]; //Store the value in TMO0 [w:GD61352] = [w:GD61351]; //Store the value in the comparison device }</pre>			

Base Screen 30105

Script No.	30104	Script name	Script30104
Comment	Threshold Value Initial Reading		
Data Type	Signed BIN16	Trigger type	Rise GB40
<pre>//Read the threshold value when the screen appears. set([b:GB61150]);</pre>			

Script No.	30100	Script name	Script30100
Comment	Machine Diagnosis Setting		
Data Type	Signed BIN16	Trigger type	Ordinary
<pre>//Display the estimated value [w:TMP960] = [w:U00-A100-MD2]&0x000F; if ([w:TMP960] == 1) { //When 1 is stored set([b:GB61000]); } //Display the estimated value else{ rst([b:GB61000]); } [w:TMP961] = [w:U00-A100-MD2]&0x00F0; [w:TMP962] = [w:TMP961] >> 4; //Shift by 4 to right and store in TMP962 if ([w:TMP962] == 1) { //When 1 is stored set([b:GB61001]); } //Display the estimated value else{ rst([b:GB61001]); } [w:TMP963] = [w:U00-A100-MD2]&0x0F00; [w:TMP964] = [w:TMP963] >> 8; //Shift by 8 to right and store in TMP964 if ([w:TMP964] == 1) { //When 1 is stored</pre>			

```

    set([b:GB61002]); } //Display the estimated value
else{
    rst([b:GB61002]);
}

//Reset the recipe trigger
if( [b:GD61110.b0] == ON ){ //When the write process notification signal is ON
    rst([b:GB61150]); //Threshold value write trigger OFF
}

if( [b:GD61110.b1] == ON ){ //When the read completed notification signal is ON
    rst([b:GB61101]); //Estimated value read trigger OFF
    rst([b:GB61151]); //Threshold value read trigger OFF
}

```

Script No.	30101	Script name	Script30101
Comment	Threshold Value Excess Judge 1		
Data Type	Signed BIN16	Trigger type	ON GB61000

```

//Determine if the estimated value has exceeded the threshold value.

//MD3
if( [s16:U00-A100-MD3] > [s16:GD61400] ) { //When MD3 has exceeded the threshold value
    set ([b:GB61050]); //Change the background color of the numerical display
}
else{ //When MD3 has not exceeded the threshold value
    rst ([b:GB61050]);
}

//MD4
if( [s16:U00-A100-MD4] > [s16:GD61402] ) { //When MD4 has exceeded the threshold value
    set ([b:GB61051]); //Change the background color of the numerical display
}
else{ //When MD4 has not exceeded the threshold value
    rst ([b:GB61051]);
}

```

Script No.	30102	Script name	Script30102
Comment	Threshold Value Excess Judge 2		
Data Type	Signed BIN16	Trigger type	ON GB61001

```

//Determine if the estimated value has exceeded the threshold value.

//MD5
if( [s16:U00-A100-MD5] < [s16:GD61404] ) { //When MD5 has exceeded the threshold value
    set ([b:GB61052]); //Change the background color of the numerical display
}
else{ //When MD5 has not exceeded the threshold value
    rst ([b:GB61052]);
}

//MD6
if( [s16:U00-A100-MD6] < [s16:GD61406] ) { //When MD6 has exceeded the threshold value
    set ([b:GB61053]); //Change the background color of the numerical display
}
else{ //When MD6 has not exceeded the threshold value
    rst ([b:GB61053]);
}

```

Script No.	30103	Script name	Script30103
Comment	Threshold Value Excess Judge 3		
Data Type	Signed BIN16	Trigger type	ON GB61002
<pre>//Determine if the estimated value has exceeded the threshold value. //MD7 if([w:U00-A100-MD7] > [w:GD61412]) { //When MD7 has exceeded the threshold value set ([b:GB61056]); //Change the background color of the numerical display } else{ //When MD7 has not exceeded the threshold value rst ([b:GB61056]); } //MD8 if([u16:U00-A100-MD8] > [u16:GD61414]) { //When MD8 has exceeded the threshold value set ([b:GB61057]); //Change the background color of the numerical display } else{ //When MD8 has not exceeded the threshold value rst ([b:GB61057]); } //MD9 if([w:U00-A100-MD9] > [w:GD61408]) { //When MD9 has exceeded the threshold value set ([b:GB61054]); //Change the background color of the numerical display } else{ //When MD9 has not exceeded the threshold value rst ([b:GB61054]); } //MD10 if([u16:U00-A100-MD10] > [u16:GD61410]) { //When MD10 has exceeded the threshold value set ([b:GB61055]); //Change the background color of the numerical display } else{ //When MD10 has not exceeded the threshold value rst ([b:GB61055]); }</pre>			
Script No.	30106	Script name	Script30106
Comment	Estimated Value Transfer Setting		
Data Type	Signed BIN16	Trigger type	Rise GB61070
<pre>//Transfer the estimated value to GD //MD3-4 if([b:GB61000]==ON){ //When the value has been estimated set([b:GD61450.b0]); //Device data transfer start trigger ON set([b:GB61160]); //Script start trigger ON } else{ //When the value has not been estimated [s16:GD61420]=9990; [s16:GD61422]=9990; set([b:GB61071]); //Movement completed } //MD5-6 if([b:GB61001]==ON){ //When the value has been estimated set([b:GD61452.b0]); //Device data transfer start trigger ON set([b:GB61161]); //Script start trigger ON } else{ //When the value has not been estimated [s16:GD61424]=9990;</pre>			


```

[s16:GD61426]=9990;
set([b:GB61072]); //Movement completed
}

//MD7-10
if([b:GB61002]==ON){ //When the value has been estimated
  set([b:GD61454.b0]); //Device data transfer start trigger ON
  set([b:GB61162]); //Script start trigger ON
}
else{ //When the value has not been estimated
  [w:GD61428]=999;
  [u16:GD61430]=9990;
  [w:GD61432]=999;
  [u16:GD61434]=9990;
  set([b:GB61073]); //Movement completed
}

//Esrimated value recipe save script trigger ON
set([b:GB61170]);

```

Script No.	30107	Script name	Script30107
Comment	Estimated Value Transfer 1		
Data Type	Signed BIN16	Trigger type	ON GB61160

```

if([b:GD61451.b0]==ON){ //When the transferring signal is ON
  set([b:GB61165]); //Transfer start flag ON
  rst([b:GD61450.b0]); //Transfer trigger OFF
}

if([b:GB61165]==ON&&[b:GD61451.b0]==OFF){
  set([b:GB61071]); //Transfer completed flag ON
  rst([b:GB61165]); //Transfer start flag OFF
  rst([b:GB61160]); //Script trigger OFF
}

```

Script No.	30108	Script name	Script30108
Comment	Estimated Value Transfer 2		
Data Type	Signed BIN16	Trigger type	ON GB61161

```

if([b:GD61453.b0]==ON){ //When the transferring signal is ON
  set([b:GB61166]); //Transfer start flag ON
  rst([b:GD61452.b0]); //Transfer trigger OFF
}

if([b:GB61166]==ON&&[b:GD61453.b0]==OFF){
  set([b:GB61072]); //Transfer completed flag ON
  rst([b:GB61166]); //Transfer start flag OFF
  rst([b:GB61161]); //Script trigger OFF
}

```

Script No.	30109	Script name	Script30109
Comment	Estimated Value Transfer 3		
Data Type	Signed BIN16	Trigger type	ON GB61162

```

if([b:GD61455.b0]==ON){ //When the transferring signal is ON
  set([b:GB61167]); //Transfer start flag ON
  rst([b:GD61454.b0]); //Transfer trigger OFF
}

if([b:GB61167]==ON&&[b:GD61455.b0]==OFF){
  set([b:GB61073]); //Transfer completed flag ON
  rst([b:GB61167]); //Transfer start flag OFF
  rst([b:GB61162]); //Script trigger OFF
}

```

}			
Script No.	30110	Script name	Script30110
Comment	Estimated Value Recipe Save		
Data Type	Signed BIN16	Trigger type	ON GB61170
<pre> if([b:GB61071]==ON&&[b:GB61072]==ON&&[b:GB61073]==ON){ //When all of the transfer completed flags are ON set([b:GB61101]); //Estimated value recipe read trigger ON //All flags OFF rst([b:GB61071]); rst([b:GB61072]); rst([b:GB61073]); rst([b:GB61070]); //Estimated value save switch rst([b:GB61170]); //Recipe save script trigger } </pre>			

Base Screen 30111

Script No.	30200	Script name	Script30200
Comment	Present Time Setting		
Data Type	Signed BIN16	Trigger type	OFF GB62200
<pre> // Store the information of the present time [w:GD62240]=[w:GS650]; // Store the information of the year and month [w:GD62241]=[w:GS651]; // Store the information of the day and hour [w:GD62242]=[w:GS652]; // Store the information of the minute and second set([b:GB62200]); </pre>			

Base Screen 30207

Script No.	30202	Script name	Script30202
Comment	DocumentDisplayProcessOfLastPage		
Data Type	Signed BIN16	Trigger type	Sampling 300ms
<pre> //Check the total number of document pages is not 0. if([w:GD62103]!=0){ //Compare the current page number to the total number of document pages to see if the current page number exceeds the total number. if([w:GD62103]>[w:GD62104]){ //Set the last page to display. [w:GD62103]=[w:GD62104]; } } </pre>			

Base Screen 30305

Script No.	30050	スクリプト名	Script30050
Comment	I/O device monitor processing		
Data Type	Signed BIN16	トリガ種別	Ordinary
<pre> //Input device //EMG [u32:TMP800] = [u32:U00-A100-DI0] & 0x00020000; //Calculate bit17 of DI0 with logical conjunction and store it in TMP [w:GD61500] = [u32:TMP800] >> 17; //Shift TMP to right by 17 and store it in GD61500 //EM2/1 </pre>			

```

[u32:TMP801] = [u32:U00-A100-DI0] & 0x00040000; //Calculate bit18 of DI0 with logical conjunction and
store it in TMP
[w:GD61501] = [u32:TMP801] >> 18; //Shift TMP to right by 18 and store it in GD61501

//CRDY
[u32:TMP802] = [u32:U00-A100-DI0] & 0x00080000; //Calculate bit19 of DI0 with logical conjunction and
store it in TMP
[w:GD61502] = [u32:TMP802] >> 19; //Shift TMP to right by 19 and store it in GD61502

//CDP
[u32:TMP803] = [u32:U00-A100-DI0] & 0x08000000; //Calculate bit27 of DI0 with logical conjunction and
store it in TMP
[w:GD61503] = [u32:TMP803] >> 27; //Shift TMP to right by 27 and store it in GD61503

//CLD
[u32:TMP804] = [u32:U00-A100-DI0] & 0x10000000; //Calculate bit28 of DI0 with logical conjunction and
store it in TMP
[w:GD61504] = [u32:TMP804] >> 28; //Shift TMP to right by 28 and store it in GD61504

//FLS
[u32:TMP805] = [u32:U00-A100-DI1] & 0x00010000; //Calculate bit16 of DI1 with logical conjunction and
store it in TMP
[w:GD61505] = [u32:TMP805] >> 16; //Shift TMP to right by 16 and store it in GD61505

//RLS
[u32:TMP806] = [u32:U00-A100-DI1] & 0x00020000; //Calculate bit17 of DI1 with logical conjunction and
store it in TMP
[w:GD61506] = [u32:TMP806] >> 17; //Shift TMP to right by 17 and store it in GD61506

//DOG
[u32:TMP807] = [u32:U00-A100-DI1] & 0x00040000; //Calculate bit18 of DI1 with logical conjunction and
store it in TMP
[w:GD61507] = [u32:TMP807] >> 18; //Shift TMP to right by 18 and store it in GD61507

//Output device

//ALM2
[u32:TMP808] = [u32:U00-A100-DO0] & 0x00010000; //Calculate bit16 of DO0 with logical conjunction and
store it in TMP
[w:GD61510] = [u32:TMP808] >> 16; //Shift TMP to right by 16 and store it in GD61510

//RDY
[u32:TMP809] = [u32:U00-A100-DO0] & 0x00080000; //Calculate bit19 of DO0 with logical conjunction and
store it in TMP
[w:GD61511] = [u32:TMP809] >> 19; //Shift TMP to right by 19 and store it in GD61511

//STO
[u32:TMP810] = [u32:U00-A100-DO0] & 0x00200000; //Calculate bit21 of DO0 with logical conjunction and
store it in TMP
[w:GD61512] = [u32:TMP810] >> 21; //Shift TMP to right by 21 and store it in GD61512

//SMPD
[u32:TMP811] = [u32:U00-A100-DO0] & 0x00400000; //Calculate bit22 of DO0 with logical conjunction and
store it in TMP
[w:GD61513] = [u32:TMP811] >> 22; //Shift TMP to right by 22 and store it in GD61513

//CDPS
[u32:TMP812] = [u32:U00-A100-DO0] & 0x02000000; //Calculate bit25 of DO0 with logical conjunction and
store it in TMP
[w:GD61514] = [u32:TMP812] >> 25; //Shift TMP to right by 25 and store it in GD61514

//CLDS
[u32:TMP813] = [u32:U00-A100-DO0] & 0x04000000; //Calculate bit26 of DO0 with logical conjunction and

```

```

store it in TMP
[w:GD61515] = [u32:TMP813] >> 26; //Shift TMP to right by 26 and store it in GD61515

//ABSV
[u32:TMP814] = [u32:U00-A100-DO0] & 0x08000000; //Calculate bit27 of DO0 with logical conjunction and
store it in TMP
[w:GD61516] = [u32:TMP814] >> 27; //Shift TMP to right by 27 and store it in GD61516

//IPF
[u32:TMP815] = [u32:U00-A100-DO0] & 0x20000000; //Calculate bit29 of DO0 with logical conjunction and
store it in TMP
[w:GD61517] = [u32:TMP815] >> 29; //Shift TMP to right by 29 and store it in GD61517

//SPC
[u32:TMP816] = [u32:U00-A100-DO0] & 0x40000000; //Calculate bit30 of DO0 with logical conjunction and
store it in TMP
[w:GD61518] = [u32:TMP816] >> 30; //Shift TMP to right by 30 and store it in GD61518

//MTTR
[u32:TMP817] = [u32:U00-A100-DO0] & 0x80000000; //Calculate bit31 of DO0 with logical conjunction and
store it in TMP
[w:GD61519] = [u32:TMP817] >> 31; //Shift TMP to right by 31 and store it in GD61519

//SFLS
[u32:TMP818] = [u32:U00-A100-DO1] & 0x00010000; //Calculate bit16 of DO1 with logical conjunction and
store it in TMP
[w:GD61520] = [u32:TMP818] >> 16; //Shift TMP to right by 16 and store it in GD61520

//SRLS
[u32:TMP819] = [u32:U00-A100-DO1] & 0x00020000; //Calculate bit17 of DO1 with logical conjunction and
store it in TMP
[w:GD61521] = [u32:TMP819] >> 17; //Shift TMP to right by 17 and store it in GD61521

//SDOG
[u32:TMP820] = [u32:U00-A100-DO1] & 0x00040000; //Calculate bit18 of DO1 with logical conjunction and
store it in TMP
[w:GD61522] = [u32:TMP820] >> 18; //Shift TMP to right by 18 and store it in GD61522

//SSV3
[u32:TMP821] = [u32:U00-A100-DO1] & 0x00800000; //Calculate bit23 of DO1 with logical conjunction and
store it in TMP
[w:GD61523] = [u32:TMP821] >> 23; //Shift TMP to right by 23 and store it in GD61523

```

Window Screen 30015

Script No.	30105	Script name	Script30105
Comment	Threshold Value Reading		
Data Type	Signed BIN16	Trigger type	When the screen is closed

//When the threshold value setting window is closed, the saved value will be applied.
set([b:GB61150]);

5.8.3 Object script

Base screen 30207

Object	Switch	Object ID *1	10068
Script user ID	1		
Data type	Signed BIN16	Trigger type	Device Writing
<pre>//Prevents the current page number from exceeding the total page number of document if([u16:GD62103] >= [u16:GD62104]){ [u16:GD62103] = [u16:GD62104] - 1; }</pre>			
Object	Numerical Input	Object ID *1	10106
Script user ID	2		
Data type	Signed BIN16	Trigger type	Input Fixation
<pre>//\$W : Alarm No. input //[w:GD62103] : Document Display Page Number //[w:GD60021] : Language Switching Device if([w:GD60021] == 2 [w:GD60021] == 3){// For Japanese and Chinese if(\$W <=20){ switch(\$W) { case 16: [w:GD62103] = 1; break; case 17: [w:GD62103] = 3; break; case 18: [w:GD62103] = 3; break; case 19: [w:GD62103] = 4; break; case 20: [w:GD62103] = 5; break; } } switch(\$W) { case 21: [w:GD62103] = 6; break; case 22: [w:GD62103] = 7; break; case 23: [w:GD62103] = 9; break; case 25: [w:GD62103] = 10; break; } }</pre>			

```
case 26:
    [w:GD62103] = 10;
    break;

case 27:
    [w:GD62103] = 11;
    break;

case 30:
    [w:GD62103] = 11;
    break;

case 31:
    [w:GD62103] = 12;
    break;

case 32:
    [w:GD62103] = 13;
    break;

case 33:
    [w:GD62103] = 14;
    break;

case 36:
    [w:GD62103] = 16;
    break;

case 37:
    [w:GD62103] = 17;
    break;

case 39:
    [w:GD62103] = 20;
    break;

case 40:
    [w:GD62103] = 21;
    break;

case 42:
    [w:GD62103] = 22;
    break;

case 43:
    [w:GD62103] = 22;
    break;

case 48:
    [w:GD62103] = 23;
    break;

case 49:
    [w:GD62103] = 24;
    break;

case 50:
    [w:GD62103] = 25;
    break;

case 51:
    [w:GD62103] = 27;
    break;
```

```
case 52:
    [w:GD62103] = 28;
    break;

case 53:
    [w:GD62103] = 29;
    break;

case 54:
    [w:GD62103] = 30;
    break;

case 55:
    [w:GD62103] = 31;
    break;

case 57:
    [w:GD62103] = 32;
    break;

case 58:
    [w:GD62103] = 33;
    break;

case 61:
    [w:GD62103] = 33;
    break;

case 62:
    [w:GD62103] = 33;
    break;

case 66:
    [w:GD62103] = 34;
    break;

case 69:
    [w:GD62103] = 37;
    break;

case 70:
    [w:GD62103] = 37;
    break;

case 71:
    [w:GD62103] = 38;
    break;

case 80:
    [w:GD62103] = 39;
    break;

case 81:
    [w:GD62103] = 41;
    break;

case 82:
    [w:GD62103] = 42;
    break;

case 84:
    [w:GD62103] = 43;
    break;
```

```
case 86:
    [w:GD62103] = 44;
    break;

case 97:
    [w:GD62103] = 44;
    break;

case 99:
    [w:GD62103] = 45;
    break;

case 100:
    [w:GD62103] = 45;
    break;

case 101:
    [w:GD62103] = 46;
    break;

case 102:
    [w:GD62103] = 47;
    break;

case 103:
    [w:GD62103] = 48;
    break;

case 104:
    [w:GD62103] = 48;
    break;

case 105:
    [w:GD62103] = 49;
    break;

case 112:
    [w:GD62103] = 51;
    break;

case 113:
    [w:GD62103] = 54;
    break;

case 114:
    [w:GD62103] = 55;
    break;

case 116:
    [w:GD62103] = 55;
    break;

case 117:
    [w:GD62103] = 56;
    break;

case 121:
    [w:GD62103] = 56;
    break;

case 122:
    [w:GD62103] = 59;
    break;
```



```
case 123:
    [w:GD62103] = 60;
    break;

case 124:
    [w:GD62103] = 61;
    break;

case 125:
    [w:GD62103] = 62;
    break;

case 130:
    [w:GD62103] = 63;
    break;

case 132:
    [w:GD62103] = 64;
    break;

case 133:
    [w:GD62103] = 65;
    break;

case 134:
    [w:GD62103] = 66;
    break;

case 138:
    [w:GD62103] = 67;
    break;

case 141:
    [w:GD62103] = 68;
    break;

case 142:
    [w:GD62103] = 70;
    break;

case 2184:// Watchdog
    [w:GD62103] = 72;
    break;
```

```
// Warning below
```

```
case 144:
    [w:GD62103] = 73;
    break;

case 145:
    [w:GD62103] = 74;
    break;

case 146:
    [w:GD62103] = 75;
    break;

case 147:
    [w:GD62103] = 75;
    break;

case 149:
```

```
[w:GD62103] = 76;
break;

case 150:
    [w:GD62103] = 77;
    break;

case 151:
    [w:GD62103] = 78;
    break;

case 152:
    [w:GD62103] = 78;
    break;

case 153:
    [w:GD62103] = 79;
    break;

case 154:
    [w:GD62103] = 79;
    break;

case 155:
    [w:GD62103] = 80;
    break;

case 156:
    [w:GD62103] = 81;
    break;

case 157:
    [w:GD62103] = 81;
    break;

case 158:
    [w:GD62103] = 82;
    break;

case 159:
    [w:GD62103] = 82;
    break;

case 224:
    [w:GD62103] = 83;
    break;

case 225:
    [w:GD62103] = 83;
    break;

case 226:
    [w:GD62103] = 84;
    break;

case 227:
    [w:GD62103] = 84;
    break;

case 228:
    [w:GD62103] = 84;
    break;

case 229:
```

```
[w:GD62103] = 85;
break;

case 230:
    [w:GD62103] = 85;
break;

case 231:
    [w:GD62103] = 86;
break;

case 232:
    [w:GD62103] = 86;
break;

case 233:
    [w:GD62103] = 87;
break;

case 234:
    [w:GD62103] = 88;
break;

case 235:
    [w:GD62103] = 88;
break;

case 236:
    [w:GD62103] = 89;
break;

case 237:
    [w:GD62103] = 89;
break;

case 240:
    [w:GD62103] = 89;
break;

case 242:
    [w:GD62103] = 89;
break;

case 243:
    [w:GD62103] = 89;
break;

case 244:
    [w:GD62103] = 90;
break;

case 245:
    [w:GD62103] = 90;
break;

case 246:
    [w:GD62103] = 91;
break;

case 255:// No error
    [w:GD62103] = 1;
break;
}
}else{
```

```

if($W <=20){
  switch($W)
  {
    case 16:
      [w:GD62103] = 1;
      break;

    case 17:
      [w:GD62103] = 4;
      break;

    case 18:
      [w:GD62103] = 4;
      break;

    case 19:
      [w:GD62103] = 5;
      break;

    case 20:
      [w:GD62103] = 5;
      break;
  }
}

```

```

switch($W)
{
  case 21:
    [w:GD62103] = 7;
    break;

  case 22:
    [w:GD62103] = 8;
    break;

  case 23:
    [w:GD62103] = 10;
    break;

  case 25:
    [w:GD62103] = 11;
    break;

  case 26:
    [w:GD62103] = 12;
    break;

  case 27:
    [w:GD62103] = 12;
    break;

  case 30:
    [w:GD62103] = 13;
    break;

  case 31:
    [w:GD62103] = 13;
    break;

  case 32:
    [w:GD62103] = 14;
    break;

  case 33:

```

```
[w:GD62103] = 16;
break;

case 36:
    [w:GD62103] = 17;
    break;

case 37:
    [w:GD62103] = 19;
    break;

case 39:
    [w:GD62103] = 22;
    break;

case 40:
    [w:GD62103] = 23;
    break;

case 42:
    [w:GD62103] = 24;
    break;

case 43:
    [w:GD62103] = 24;
    break;

case 48:
    [w:GD62103] = 25;
    break;

case 49:
    [w:GD62103] = 26;
    break;

case 50:
    [w:GD62103] = 27;
    break;

case 51:
    [w:GD62103] = 29;
    break;

case 52:
    [w:GD62103] = 30;
    break;

case 53:
    [w:GD62103] = 31;
    break;

case 54:
    [w:GD62103] = 32;
    break;

case 55:
    [w:GD62103] = 33;
    break;

case 57:
    [w:GD62103] = 34;
    break;

case 58:
```

```
[w:GD62103] = 35;
break;

case 61:
    [w:GD62103] = 35;
    break;

case 62:
    [w:GD62103] = 35;
    break;

case 66:
    [w:GD62103] = 36;
    break;

case 69:
    [w:GD62103] = 38;
    break;

case 70:
    [w:GD62103] = 39;
    break;

case 71:
    [w:GD62103] = 40;
    break;

case 80:
    [w:GD62103] = 40;
    break;

case 81:
    [w:GD62103] = 42;
    break;

case 82:
    [w:GD62103] = 43;
    break;

case 84:
    [w:GD62103] = 44;
    break;

case 86:
    [w:GD62103] = 45;
    break;

case 97:
    [w:GD62103] = 45;
    break;

case 99:
    [w:GD62103] = 46;
    break;

case 100:
    [w:GD62103] = 46;
    break;

case 101:
    [w:GD62103] = 47;
    break;

case 102:
```

```
[w:GD62103] = 48;
break;

case 103:
    [w:GD62103] = 49;
    break;

case 104:
    [w:GD62103] = 50;
    break;

case 105:
    [w:GD62103] = 51;
    break;

case 112:
    [w:GD62103] = 53;
    break;

case 113:
    [w:GD62103] = 56;
    break;

case 114:
    [w:GD62103] = 57;
    break;

case 116:
    [w:GD62103] = 58;
    break;

case 117:
    [w:GD62103] = 59;
    break;

case 121:
    [w:GD62103] = 59;
    break;

case 122:
    [w:GD62103] = 62;
    break;

case 123:
    [w:GD62103] = 63;
    break;

case 124:
    [w:GD62103] = 64;
    break;

case 125:
    [w:GD62103] = 65;
    break;

case 130:
    [w:GD62103] = 66;
    break;

case 132:
    [w:GD62103] = 67;
    break;

case 133:
```

```
[w:GD62103] = 69;
break;

case 134:
    [w:GD62103] = 70;
    break;

case 138:
    [w:GD62103] = 71;
    break;

case 141:
    [w:GD62103] = 72;
    break;

case 142:
    [w:GD62103] = 73;
    break;

case 2184:// Watchdog
    [w:GD62103] = 75;
    break;
```

// Warning below

```
case 144:
    [w:GD62103] = 77;
    break;

case 145:
    [w:GD62103] = 79;
    break;

case 146:
    [w:GD62103] = 80;
    break;

case 147:
    [w:GD62103] = 80;
    break;

case 149:
    [w:GD62103] = 81;
    break;

case 150:
    [w:GD62103] = 83;
    break;

case 151:
    [w:GD62103] = 83;
    break;

case 152:
    [w:GD62103] = 84;
    break;

case 153:
    [w:GD62103] = 84;
    break;

case 154:
    [w:GD62103] = 85;
```



```
break;

case 155:
    [w:GD62103] = 85;
    break;

case 156:
    [w:GD62103] = 86;
    break;

case 157:
    [w:GD62103] = 86;
    break;

case 158:
    [w:GD62103] = 87;
    break;

case 159:
    [w:GD62103] = 87;
    break;

case 224:
    [w:GD62103] = 88;
    break;

case 225:
    [w:GD62103] = 88;
    break;

case 226:
    [w:GD62103] = 89;
    break;

case 227:
    [w:GD62103] = 89;
    break;

case 228:
    [w:GD62103] = 90;
    break;

case 229:
    [w:GD62103] = 90;
    break;

case 230:
    [w:GD62103] = 90;
    break;

case 231:
    [w:GD62103] = 91;
    break;

case 232:
    [w:GD62103] = 91;
    break;

case 233:
    [w:GD62103] = 91;
    break;

case 234:
    [w:GD62103] = 93;
```

```

break;

case 235:
    [w:GD62103] = 93;
break;

case 236:
    [w:GD62103] = 93;
break;

case 237:
    [w:GD62103] = 93;
break;

case 240:
    [w:GD62103] = 94;
break;

case 242:
    [w:GD62103] = 94;
break;

case 243:
    [w:GD62103] = 94;
break;

case 244:
    [w:GD62103] = 94;
break;

case 245:
    [w:GD62103] = 95;
break;

case 246:
    [w:GD62103] = 96;
break;

case 255:// No error
    [w:GD62103] = 1;
break;
}
}

```

Window screen 30003

Object	Numerical Display (Year)	Object ID *1	20018
Script user ID	1		
Data type	Unsigned BIN16	Trigger type	Rise GB40
<p>//Obtain today's date of Year and Month from the clock data [w:TMP950] = [w:GS650] & 0xF000;//Obtain the tens digit of "last two digits of Year" from the clock data for setting [w:TMP960] = [w:TMP950] >> 12;//Decimal alignment [w:TMP968] = [w:TMP960] * 10;//BCD->BIN [w:TMP951] = [w:GS650] & 0x0F00;//Obtain the ones digit of "last two digits of Year" from the clock data for setting [w:TMP961] = [w:TMP951] >> 8;//BCD->BIN [w:TMP973] = 2000 + [w:TMP968] + [w:TMP961];//Set the Year in TMP973 as BIN [w:GD63990] = [w:TMP973];//Set the Year</p> <p>[w:TMP952] = [w:GS650] & 0x00F0;//Obtain the tens digit of Month from the clock data for setting [w:TMP962] = [w:TMP952] >> 4;//Decimal alignment [w:TMP969] = [w:TMP962] * 10;//BCD->BIN</p>			

[w:TMP953] = [w:GS650] & 0x000F; // Obtain the ones digit of Month from the clock data for setting
[w:TMP974] = [w:TMP969] + [w:TMP953]; // Set the Month in TMP974 as BIN
[w:GD63991] = [w:TMP974]; // Set the Month

[w:TMP954] = [w:GS651] & 0xF000; // Obtain the tens digit of Day from the clock data for setting
[w:TMP963] = [w:TMP954] >> 12; // Decimal alignment
[w:TMP970] = [w:TMP963] * 10; // BCD->BIN
[w:TMP955] = [w:GS651] & 0x0F00; // Obtain the ones digit of Day from the clock data for setting
[w:TMP964] = [w:TMP955] >> 8; // BCD->BIN
[w:TMP975] = [w:TMP970] + [w:TMP964]; // Set the Day in TMP975 as BIN
[w:GD63992] = [w:TMP975]; // Set the Day

[w:TMP956] = [w:GS651] & 0x00F0; // Obtain the tens digit of Hour from the clock data for setting
[w:TMP965] = [w:TMP956] >> 4; // Decimal alignment
[w:TMP971] = [w:TMP965] * 10; // BCD->BIN
[w:TMP957] = [w:GS651] & 0x000F; // Obtain the ones digit of Hour from the clock data for setting
[w:TMP976] = [w:TMP971] + [w:TMP957]; // Set the Hour in TMP976 as BIN
[w:GD63993] = [w:TMP976]; // Set the Hour

[w:TMP958] = [w:GS652] & 0xF000; // Obtain the tens digit of Minute from the clock data for setting
[w:TMP966] = [w:TMP958] >> 12; // Decimal alignment
[w:TMP972] = [w:TMP966] * 10; // BCD->BIN
[w:TMP959] = [w:GS652] & 0x0F00; // Obtain the ones digit of Minute from the clock data for setting
[w:TMP967] = [w:TMP959] >> 8; // BCD->BIN
[w:TMP977] = [w:TMP972] + [w:TMP967]; // Set the Minute in TMP977 as BIN
[w:GD63994] = [w:TMP977]; // Set the Minute

[w:TMP993] = [w:GS652] & 0x00F0; // Obtain the tens digit of Second from the clock data for setting
[w:TMP995] = [w:TMP993] >> 4; // Decimal alignment
[w:TMP996] = [w:TMP995] * 10; // BCD->BIN
[w:TMP994] = [w:GS652] & 0x000F; // Obtain the ones digit of Second from the clock data for setting
[w:TMP978] = [w:TMP996] + [w:TMP994]; // Set the Second in TMP978 as BIN
[w:GD63995] = [w:TMP978]; // Set the Second

Object	Numerical Display (Month)	Object ID *1	20019
Script user ID	2		
Data type	Unsigned BIN16	Trigger type	Ordinary

//BIN -> BCD conversion

[w:TMP979] = [w:GD63990] - 2000; // Last two digits of Year

[w:TMP980] = (([w:TMP979] / 10) << 4) + ([w:TMP979] % 10); // Year BIN -> BCD
[w:TMP981] = (([w:GD63991] / 10) << 4) + ([w:GD63991] % 10); // Month BIN -> BCD
[w:TMP982] = (([w:GD63992] / 10) << 4) + ([w:GD63992] % 10); // Day BIN -> BCD
[w:TMP983] = (([w:GD63993] / 10) << 4) + ([w:GD63993] % 10); // Hour BIN -> BCD
[w:TMP984] = (([w:GD63994] / 10) << 4) + ([w:GD63994] % 10); // Minute BIN -> BCD
[w:TMP985] = (([w:GD63995] / 10) << 4) + ([w:GD63995] % 10); // Second BIN -> BCD

Object	Numerical Display (Day)	Object ID *1	20020
Script user ID	3		
Data type	Unsigned BIN16	Trigger type	Ordinary

//Set the Year and Month

[w:GS513] = ([w:TMP980] << 8) + [w:TMP981]; //Set the Year and Month in the change time device

Object	Numerical Display (Hour)	Object ID *1	20021
Script user ID	4		
Data type	Unsigned BIN16	Trigger type	Ordinary

//Set the Day and Hour

[w:GS514] = ([w:TMP982] << 8) + [w:TMP983]; //Set the Day and Hour in the change time device

Object	Numerical Display (Minute)	Object ID *1	20022
Script user ID	5		
Data type	Unsigned BIN16	Trigger type	Ordinary
<pre>//Set the Minute and Second [w:GS515] = ([w:TMP984] << 8) + [w:TMP985]; //Set the Minute and Second in the change time device</pre>			
Object	Numerical Display (Second)	Object ID *1	20023
Script user ID	6		
Data type	Unsigned BIN16	Trigger type	Ordinary
<pre>//Set the Day of Week [w:TMP986] = [w:GD63990]; //Year (BIN) [w:TMP987] = [w:GD63991]; //Month (BIN) [w:TMP988] = [w:GD63992]; //Day (BIN) if(([w:TMP987] == 1) ([w:TMP987] == 2)){//Perform the correction processing for having January and February as 13th and 14th months of previous year [w:TMP986] = [w:TMP986] - 1; //Subtract 1 from Year [w:TMP987] = [w:TMP987] + 12; //Add 12 to Month } [w:TMP989] = [w:TMP986]/4; //Create items required for Zeller's congruence [w:TMP990] = [w:TMP986]/100; //Create items required for Zeller's congruence [w:TMP991] = [w:TMP986]/400; //Create items required for Zeller's congruence [w:TMP992] = (13*[w:TMP987]+8)/5; //Create items required for Zeller's congruence //Calculate the Day of Week with Zeller's congruence and set it in the change time device [w:GS516] = ([w:TMP986]+[w:TMP989]-[w:TMP990]+[w:TMP991]+[w:TMP992]+[w:TMP988])%7;</pre>			

*1 The object ID may be changed when the screen is utilized.

5.9 Logging List

Logging ID30001 Logging 1

Item		Setting
Logging mode		File Save Mode
	Number of Files	10
	Number of Logs a file	100
	File Terminal Trigger	None
Logging triggers	Trigger Type	Sampling
	Sampling (x100ms)	3000
Number of blocks		2
blocks 1	Device	U00-A1-ST40
	Device Type	Signed BIN 32
	Points	1
blocks 2	Device	U00-A1-ST41
	Device Type	Signed BIN 32
	Points	1
File Access	Drive Name	A:Standard SD Card
	Folder Name	Package1\LOG30001
	File Name	LOG30001
	Add date information to the file name	None
Output additional file	Output additional file	None

Logging ID30002 Logging 2

Item		Setting
Logging mode		File Save Mode
	Number of Files	10
	Number of Logs a file	100
	File Terminal Trigger	None
Logging triggers	Trigger Type	ON Sampling
	Device	GB62310
	Sampling (x100ms)	36000
Number of blocks		2
blocks 1	Device	U00-A1-MD4
	Device Type	Signed BIN 16
	Points	1
blocks 2	Device	U00-A1-MD3
	Device Type	Signed BIN 16
	Points	1
File Access	Drive Name	A:Standard SD Card
	Folder Name	Package1\LOG30002
	File Name	LOG30002
	Add date information to the file name	None
Output additional file	Output additional file	None

Logging ID30003 Logging 3

Item		Setting
Logging mode		File Save Mode
	Number of Files	10
	Number of Logs a file	100
	File Terminal Trigger	None
Logging mode	Trigger Type	ON Sampling
	Device	GB62311
	Sampling (x100ms)	36000
Number of blocks		2

Item		Setting
blocks 1	Device	U00-A1-MD6
	Device Type	Signed BIN 16
	Points	1
blocks 2	Device	U00-A1-MD5
	Device Type	Signed BIN 16
	Points	1
File Access	Drive Name	A:Standard SD Card
	Folder Name	Package1\LOG30002
	File Name	LOG30002
	Add date information to the file name	None
Output additional file	Output additional file	None

Logging ID30004 Logging 4

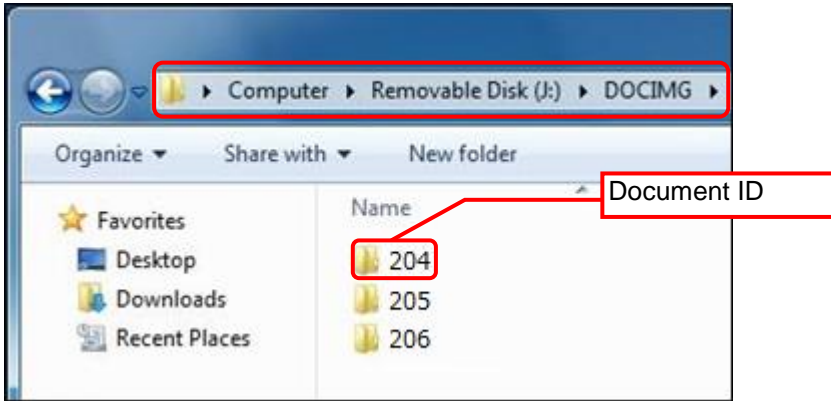
Item		Setting
Logging mode		File Save Mode
	Number of Files	10
	Number of Logs a file	100
	File Terminal Trigger	None
Logging mode	Trigger Type	ON Sampling
	Device	GB62311
	Sampling (x100ms)	36000
Number of blocks		4
blocks 1	Device	U00-A1-MD9
	Device Type	Signed BIN 16
	Points	1
blocks 2	Device	U00-A1-MD10
	Device Type	Unsigned BIN 16
	Points	1
blocks 3	Device	U00-A1-MD7
	Device Type	Signed BIN 16
	Points	1
blocks 4	Device	U00-A1-MD8
	Device Type	Unsigned BIN 16
	Points	1
File Access	Drive Name	A:Standard SD Card
	Folder Name	Package1\LOG30002
	File Name	LOG30002
	Add date information to the file name	None
Output additional file	Output additional file	None

6. Manual Display

Manuals can be displayed using the document display function. For the details on the document display function, please refer to the "GT Designer3 (GOT2000) Screen Design Manual". Please note that the language switching cannot be performed with the document display function. Therefore, in the sample screens, the document language is switched by changing the [document ID] in accordance with the selected display language.

6.1 Preparing Document Data for Manual Display

- (1) Save the DOCIMG folder into the root directory of the SD card without changing the folder configuration inside the DOCIMG folder.



SD card folder configuration

7. OTHERS

7.1 Settings for Using Motion Controllers

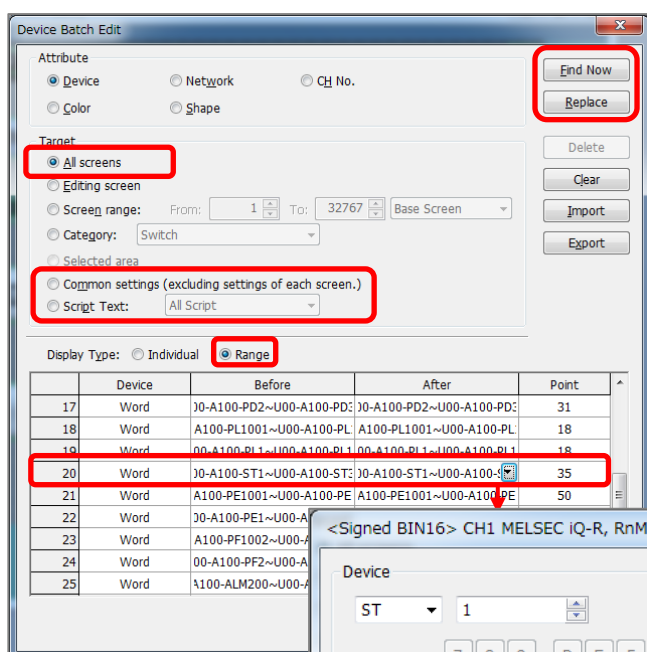
When you use a motion controller in connection between the GOT and servo amplifier, make sure to change the device setting for servo amplifier on the screen design software. Change the device of the servo amplifier to motion controller in the [Device Batch Edit] dialog on GT Designer3. For the details on the device of the servo amplifier, please refer to "5.4 Device List".

How to change the device of the servo amplifier to motion controller in the [Device Batch Edit] dialog on GT Designer3

1. Select [Search/Replace] - [Batch Edit] - [Device...] from the menu on GT Designer3.
2. Select [All screens] for [Target] in the [Device Batch Edit] dialog.
3. Select [Range] for [Display Type], and click [Find Now].
4. In the search result list, change all of the devices listed in the [After] column to motion controller, and click [Replace].
5. Select [Common settings] and [Script Text] for [Target] that is described in step 2, and repeat steps 3 and 4 as above.

* When [Range] is selected for [Display Type], the batch device edit for a double-word device is executed in units of two words. When the target devices listed in the [After] column include both an even number and odd number as a start device number, you need to execute steps 2 to 4 twice.

For the details on [Device Batch Edit], please refer to "GT Designer3 (GOT2000) Screen Design Manual".



How to indicate a device in Device Batch Edit (Device of servo amplifier: ST0)

Simple Motion module

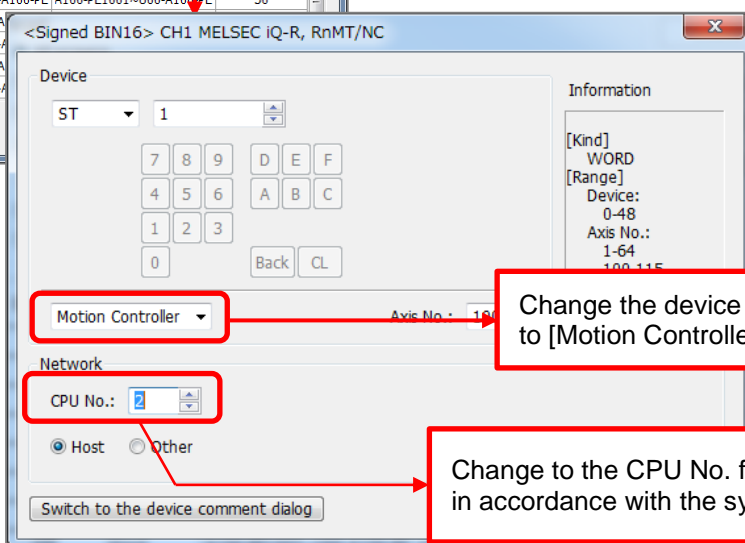
U00-A100-ST0

→ Device name
→ Axis No.
→ Unit No.

Motion Controller

0-FF/2 A100-ST0

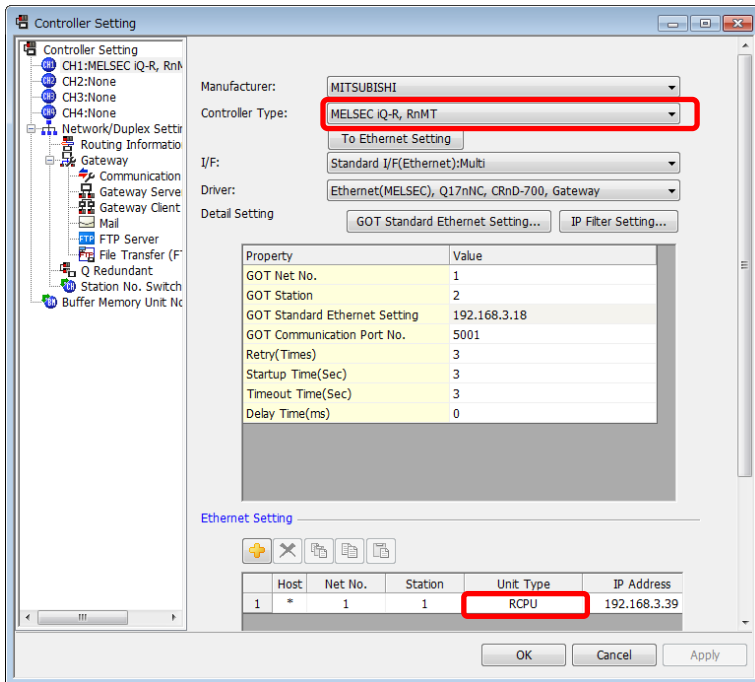
→ Device name
→ Axis No.
→ NW No.- Station No./ CPU No.



7.2 Settings for Using MELSEC-Q Series PLCs

When you use a MELSEC-Q Series PLC in connection between the GOT and servo amplifier, make sure to change the controller setting and the device setting for servo amplifier on the screen design software.

- (1) Change the controller setting in accordance with the system configuration.



- (2) For using the motion controller, select [Motion Controller] as the device for servo amplifier in [Device Batch Edit]. For the details on the device for servo amplifier and how to change the device setting, please refer to "5.4 Device List" and "7.1 Settings for Using Motion Controllers", respectively.

7.3 Precautions for GOT Monitoring Speed

While the GOT displays a screen on which the device for servo amplifier is used, it may cause a delay in collecting the alarm data and logging data of the background.

7.4 User Customization to Utilize Resource Data

In this sample, the logging function is used for the power consumption and the estimated value of the machine diagnosis, and the data is stored in the SD card. The stored data can be taken out for verification, etc. To take out the stored data, the following methods are available.

(1) [File Transfer Function]

The file transfer function (FTP transfer) is the function to write the file data to an external FTP server from the GOT (FTP client). For this function, please refer to the "GT Designer3 (GOT2000) Screen Design Manual".

(2) [File Manager Function]

The file manager function enables to handle folders and files that are stored in the GOT drives and to change the sorting order. For this function, please refer to the "GOT2000 Series User's Manual (Utility)".