

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	
2017/3	BCN-P5999-0868	First edition	-
2017/6	BCN-P5999-0868-1a	Version A	[5.6.2 Individual setting] Corrected the description of block 1 in recipe 3 [Signed BIN16] → [Unsigned BIN16]

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

Project Data

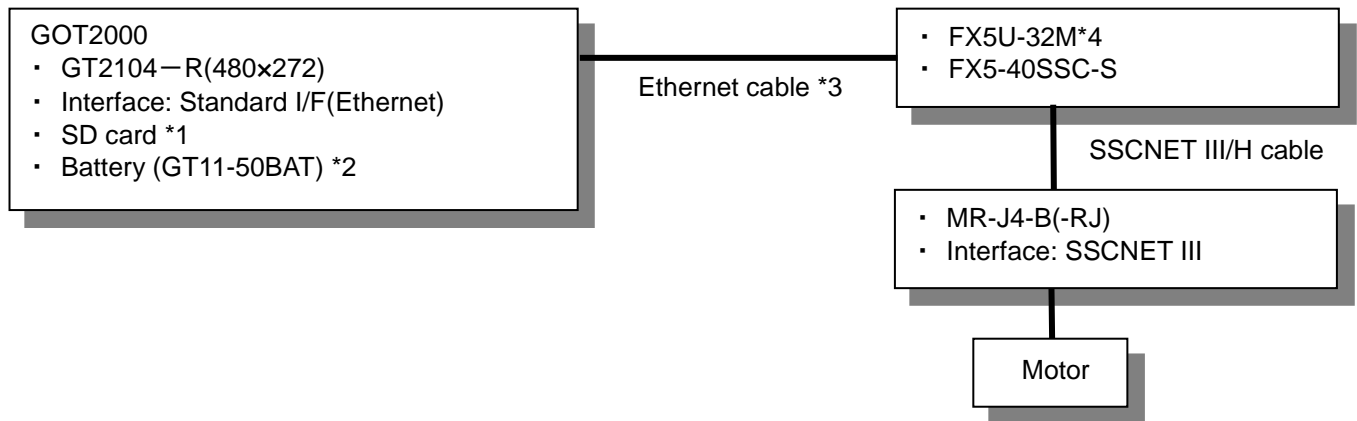
Date	Project Data	GT Designer3*	Description	
2017/3	GT21_MITSUBISHI_MR-J4-B_R_Ver1_E.GTX	1.170C	First edition	-
2017/6	GT21_MITSUBISHI_MR-J4-B_R_Ver1a_E.GTX	1.170C	Version A	[Device data transfer: ID 3 Estimation Transfer 3] Corrected the device type for block 2 and 4 [Signed BIN16] → [Unsigned BIN16]

* 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-F 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.

2. SYSTEM CONFIGURATION



*1: SD card is used for the logging function, recipe function, and user alarm observation.

*2: Battery is used to backup the clock data 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: By changing the controller setting, the sample screen covers a system configuration in which a MELSEC iQ-R Series PLC is used. For the details on how to change the controller setting, please refer to "6.2 Settings for Using MELSEC iQ-R Series PLCs".

3. GOT

3.1 System Applications Required to be Written into GOT

Type	System application name	
Standard Function	Standard System Application	
	Standard Font	Japanese
	TrueType Numerical Font	
Communication Driver	Ethernet Connection	Ethernet(MELSEC), Q17nNC, CRnD-700, Gateway
Extended Function	Standard Font	Chinese (Simplified)*1

*1: For writing the system application into the GOT, Chinese (Simplified) should be manually selected. For more details, please refer to "6.1 How to Manually Select System Applications".

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.	200	

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	

3.3 Ethernet Settings of Screen Design Software

	Host	Net No.	Station	Unit Type	IP Address	Port No.	Communication
1	*	1	1	FX5CPU	192.168.3.250	5562	TCP

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

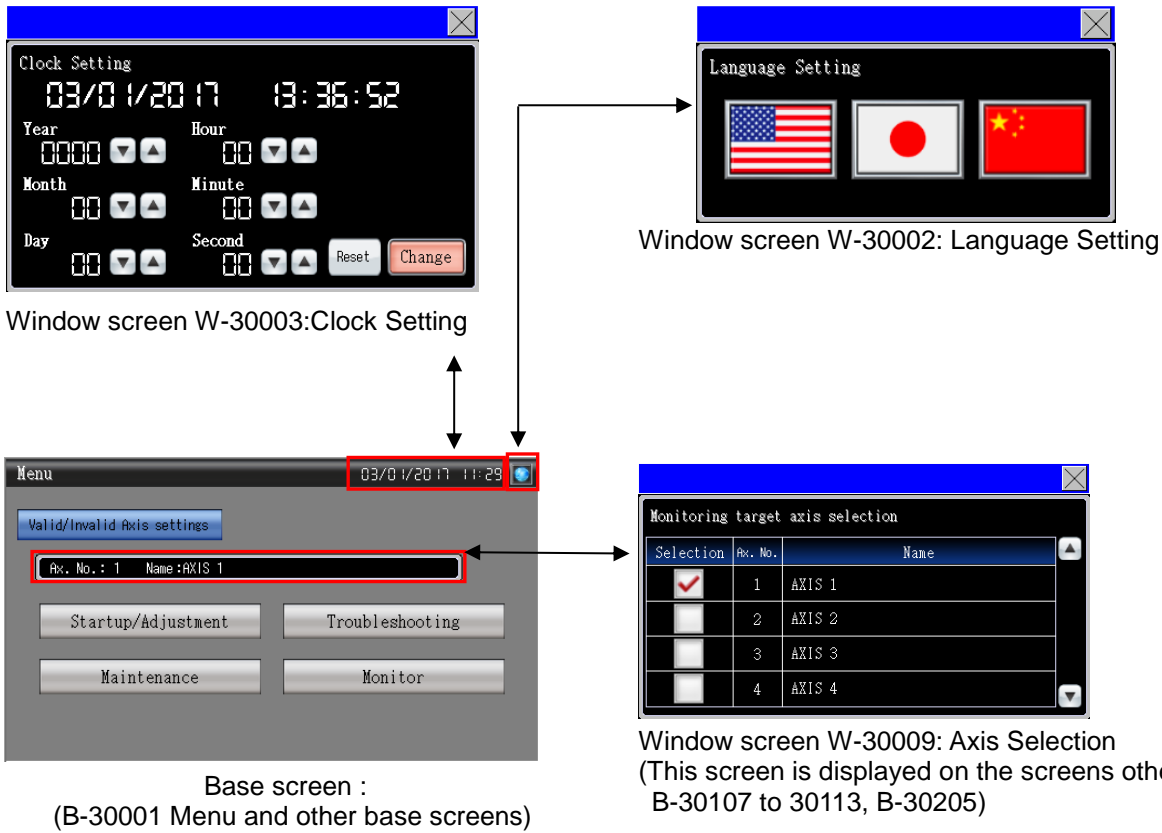
5.1 Display Language

The language of the text displayed on the screen can be switched between English, Japanese, 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.

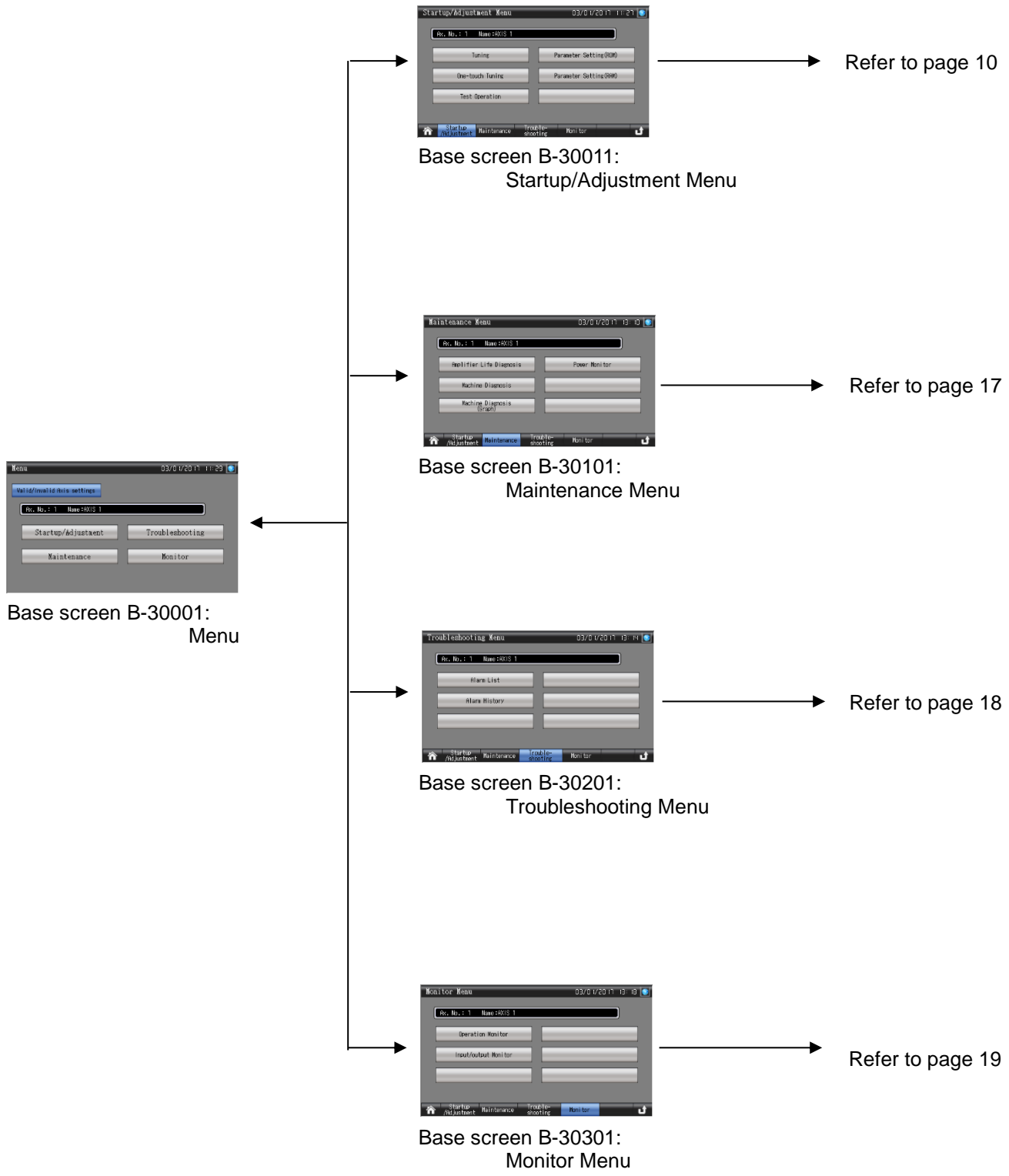
Column No.	Language
1	English
2	Japanese
3	Chinese (Simplified)

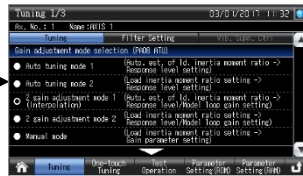
5.2 Screen Transition

5.2.1 Screen list/transition (common)

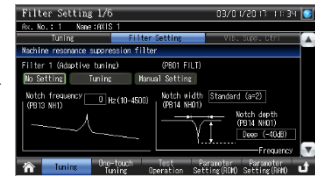


5.2.2 Screen list/transition (individual)





Base screen B-30012 to 30014:
Tuning



Base screen B-30015 to 30020:
Filter Setting

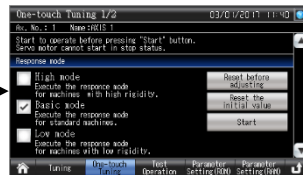
Refer to page 11



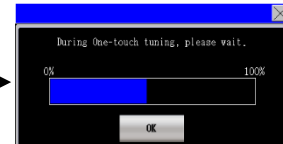
Base screen B-30021 to 30023:
Vibration Suppression Control



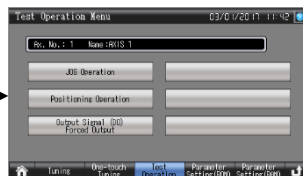
Base screen B-30011:
Startup/Adjustment Menu



Base screen B-30024 to 30025:
One-Touch Tuning

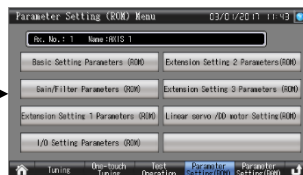


Window screen W-30018:
One-Touch Tuning Progress



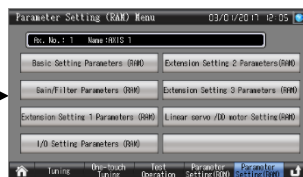
Base screen B-30031:
Test Operation Menu

Refer to page 12



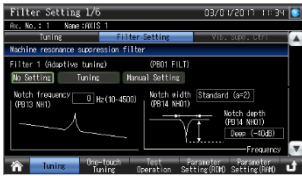
Base screen B-30041:
Parameter Setting (ROM) Menu

Refer to page 13

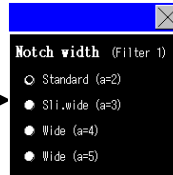


Base screen B-30071:
Parameter Setting (RAM) Menu

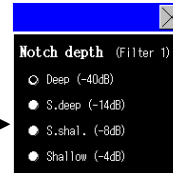
Refer to page 15



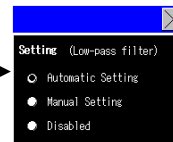
Base screen B-30015 to 30020:
Filter Setting



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



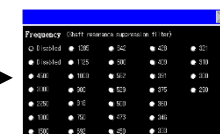
Window screen W-30021, W-30023, W-30025, W-30027, W-30029:
Filter 1 to 5 Notch Depth



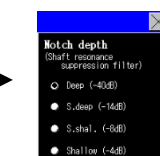
Window screen W-30030:
Low-pass Filter Setting



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



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



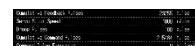
Window screen W-30033:
Shaft Res.Ctrl.Filter NotchDepth



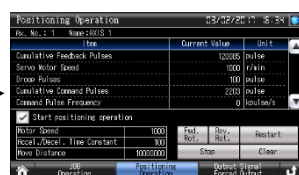
Base screen B-30031:
Test Operation Menu



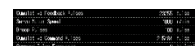
Base screen B-30033:
JOG Operation



Superimpose window
W-30101 to 30105:
Status Display



Base screen B-30035:
Positioning Operation



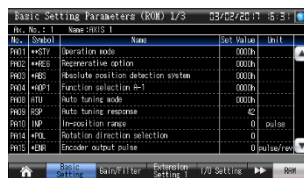
Superimpose window
W-30101 to 30105:
Status Display



Base screen B-30037:
Output Signal (DO) Forced



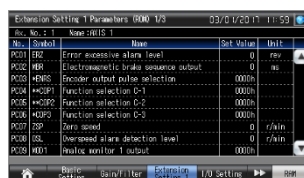
Base screen B-30041:
Parameter Setting (ROM) Menu



Base screen B-30043 to 30045:
Basic Setting Parameters (ROM)



Base screen B-30047 to 30053:
Gain/Filter Parameters (ROM)



Base screen B-30055 to 30057:
Extension Setting 1 Parameters (ROM)



Base screen B-30059 to 30060:
I/O Setting Parameters (ROM)

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No.	Symbol	Name	Set Value	Unit
PE31	+	Fully closed loop function selection 1	0000h	
PE32	+	Fully closed loop function selection 2	0000h	
PE34	+	F/R pos. elec. gear 1 - numerator	0	
PE35	+	F/R pos. elec. gear 1 - denominator	0	
PE36	+	F/R pos. elec. gear 2 - numerator	0	
PE37	+	F/R pos. elec. gear 2 - denominator	0	
PE38	+	Pos. dev. err. detection level	0	r/min
PE39	+	Pos. dev. err. detection level	0	mm/s
PE40	+	Pos. dev. err. detection level	0	rad/s

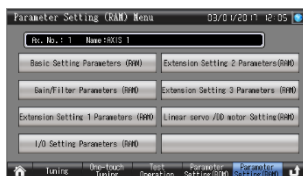
Base screen B-30062 to 30064:
Extension Setting 2 Parameters (ROM)

No.	Symbol	Name	Set Value	Unit
PE52	+	Function selection F-2	0000h	
PE53	+	Function selection F-3	0000h	
PE54	+	Function selection F-5	0000h	
PE55	+	Function selection F-5	0000h	
PE56	+	Function selection F-5	0000h	
PE57	+	Function selection F-5	0000h	
PE58	+	Electronic demand brake operating time	0	ms
PE59	+	Drive recorder error selection time	0	s
PE60	+	Drive recorder switching time setting	0	s
PE61	+	Vibration knock drive	0	%
PE62	+	Deceleration level	0	%

Base screen B-30065 to 30066:
Extension Setting 3 Parameters (ROM)

No.	Symbol	Name	Set Value	Unit
LE11	+	Linear servo motor/DD motor function selection 1	0000h	
LE12	+	Linear encoder resolution - Numerator	0	μm
LE13	+	Linear encoder resolution - Denominator	0	μm
LE14	+	Linear servo motor/DD motor function selection 2	0000h	
LE15	+	Position deviation error detection level	0	mm
LE16	+	Speed deviation error detection level	0	mm/s
LE17	+	Position deviation error detection level	0	%

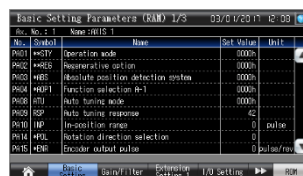
Base screen B-30068 to 30069:
Linear Servo Motor/DD Motor (ROM)



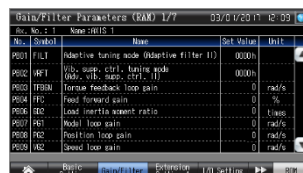
Base screen B-30071:
Parameter Setting (RAM) Menu



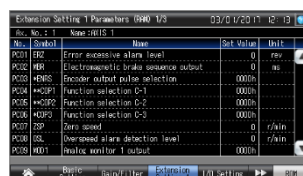
Window screen W-30071:
Parameter Setting (RAM) Message



Base screen B-30073 to 30075:
Basic Setting Parameters (RAM)



Base screen B-30077 to 30083:
Gain/Filter Parameters (RAM)



Base screen B-30085 to 30087:
Extension Setting 1 Parameters (RAM)



Base screen B-30089 to 30090:
I/O Setting Parameters (RAM)

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No.	Symbol	Name	Set Value	Unit
PE01	FFC1	Fully closed loop function selection 1	0000h	
PE02	FFC2	Fully closed loop function selection 2	0000h	
PE04	FFB1	F/B plus elec. user 1's numerator	0	
PE05	FFB2	F/B plus elec. user 1's denominator	0	
PE06	DC1	Fully closed loop ctrl.	0	r/min
PE07	SD2	Pos. dev. error detection level	0	rad/sec
PE08	DF	Fully closed loop dail F/B filter	0	rad/s

Base screen B-30092 to 30094:
Extension Setting 2 Parameters (RAM)

No.	Symbol	Name	Set Value	Unit
PE09	FFB3	Function selection F-2	0000h	
PE10	FFB4	Function selection F-3	0000h	
PE11	FFB5	Function selection F-5	0000h	
PE12	FFB6	Function selection F-6	0000h	
PE13	EBT	Electronic brake brake operating time	0	s
PE14	SD10	S/D diagnostic error detection time	0	s
PE15	DET	Drive recorder switching time setting	0	s
PE16	SD11	Vibration knock drive - Roll stop detection level	0	%

Base screen B-30095 to 30096:
Extension Setting 3 Parameters (RAM)

No.	Symbol	Name	Set Value	Unit
RL01	FFL11	Linear servo motor/DD motor function selection 1	0000h	
RL02	FFL16	Linear encoder resolution - Numerator	0	um
RL03	FFL10	Linear encoder resolution - Denominator	0	um
RL04	FFL12	Linear servo motor/DD motor function selection 2	0000h	
RL05	LE1	Position deviation error detection level	0	um
RL06	LE2	Speed deviation error detection level	0	mm/s
RL07	LE3	Torque/thrust deviation error detection level	0	%

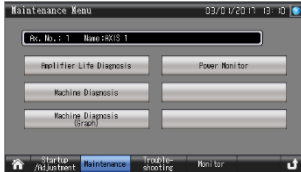
Base screen B-30098 to 30099:
Linear Servo Motor/DD (RAM)



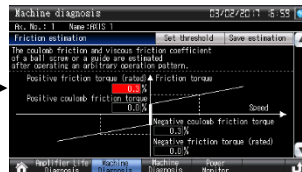
Base screen B-30103:
Amplifier Life Diagnosis



Window screen W-30080:
Amplifier Life Diagnosis Message



Base screen B-30101:
Maintenance Menu



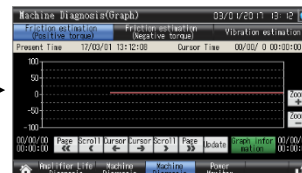
Base screen B-30105 to 30106:
Machine Diagnosis

Friction torque at rated speed	Target Value	Actual Value
Friction torque at rated speed	2.0	0.0
Coulomb friction torque	0.0	0.0

Window screen W-30015 to 30016:
Threshold Value Setting



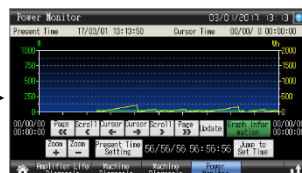
Window screen W-30017:
Estimated Value Saving



Base screen B-30107 to 30111:
Machine Diagnosis(Graph)

Line	Name	Estimated Val.	Cursor Val.
1	Friction torque at rated speed in positive direction (%)	2.0	0.0
2	Coulomb friction torque in positive direction (%)	0.0	0.0

Window screen B-30110 to 30113:
Machine Diagnosis Graph Status Display



Base screen B-30113:
Power Monitor

	Current Value	Cursor Position
Unit Power Consumption	10 W	0 W
Unit Total Power Consumption	0 Wh	0 Wh

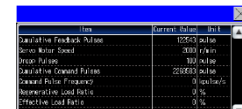
Window screen 30120:
Power monitor status display



Base screen B-30201:
Troubleshooting Menu



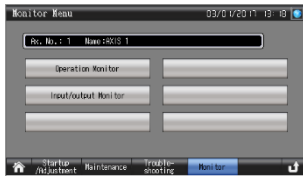
Base screen B-30203 to 30204:
Alarm List



Window screen
W-30011 to 30013:
Alarm Occurrence Status



Base screen B-30205:
Alarm History



Base screen B-30301:
Monitor Menu



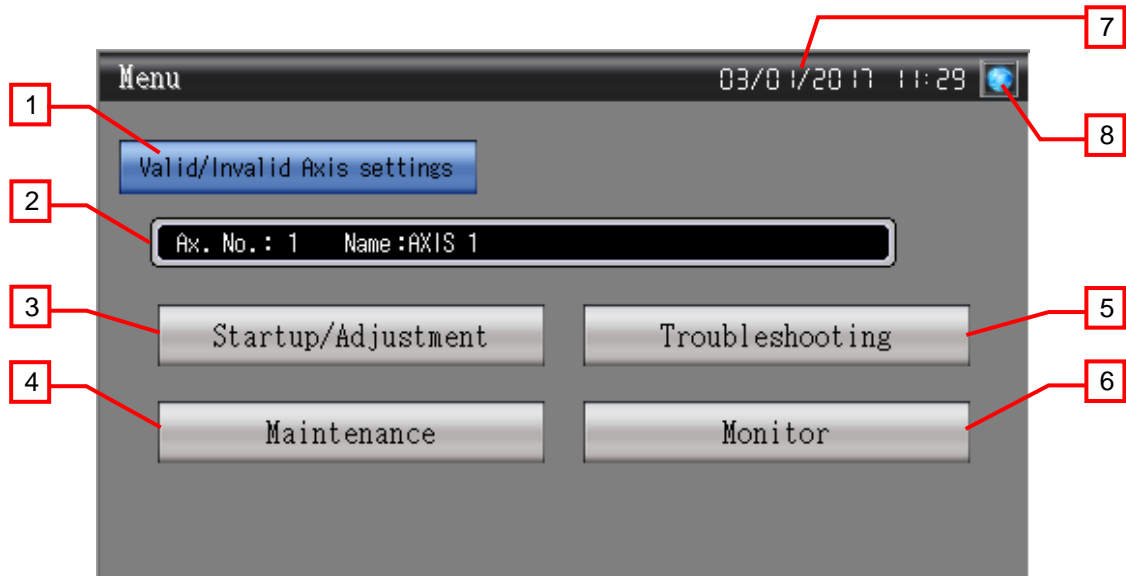
Base screen B-30303 to 30305:
Operation Monitor



Base screen B-30307 to 30308:
Input/output Monitor

5.3 Screen Specifications

5.3.1 Menu (B-30001)



Outline

This screen shows the menu.

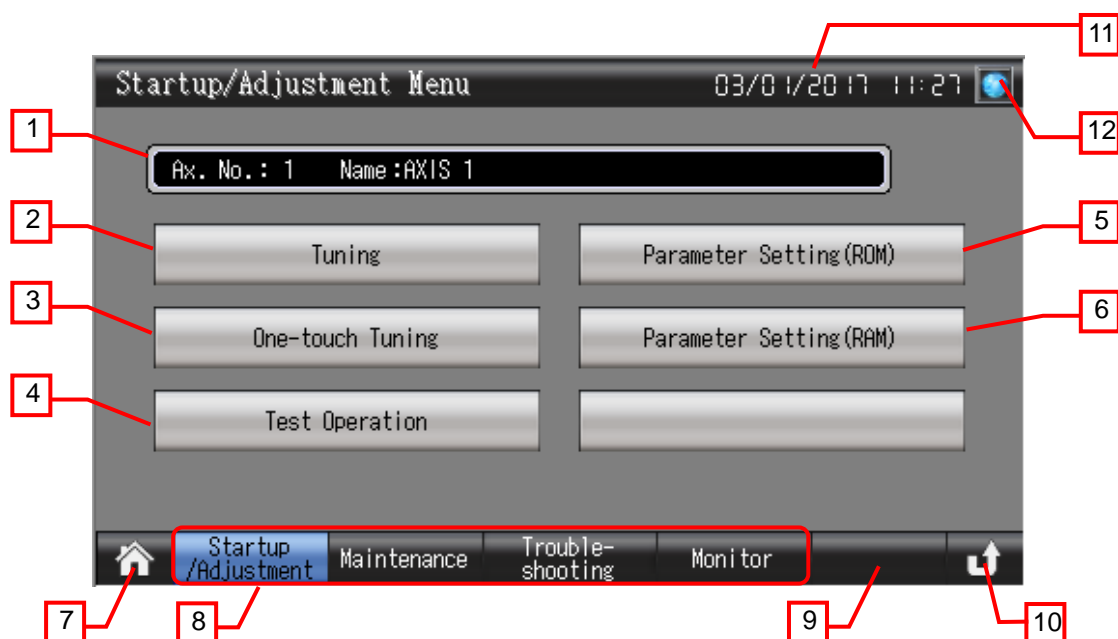
Description

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".

5.3.2 Startup/Adjustment Menu (B-30011)



Outline

This screen shows the menu for startup/adjustment.

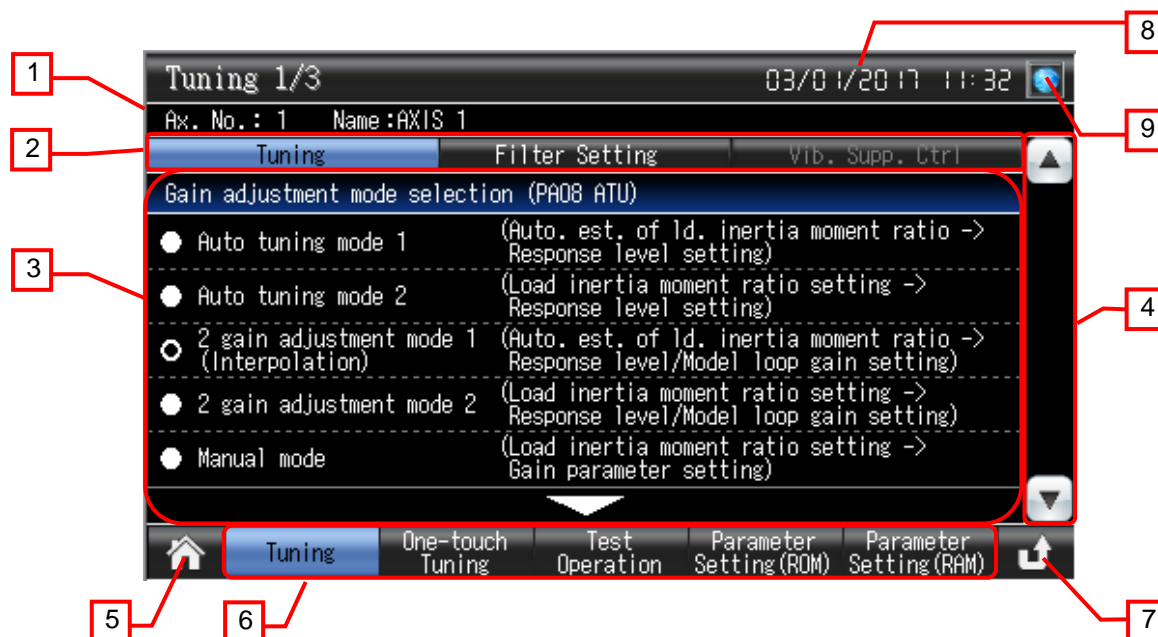
Description

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 to the [Menu] screen.
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".

5.3.3 Tuning 1/3 (B-30012)



Outline

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

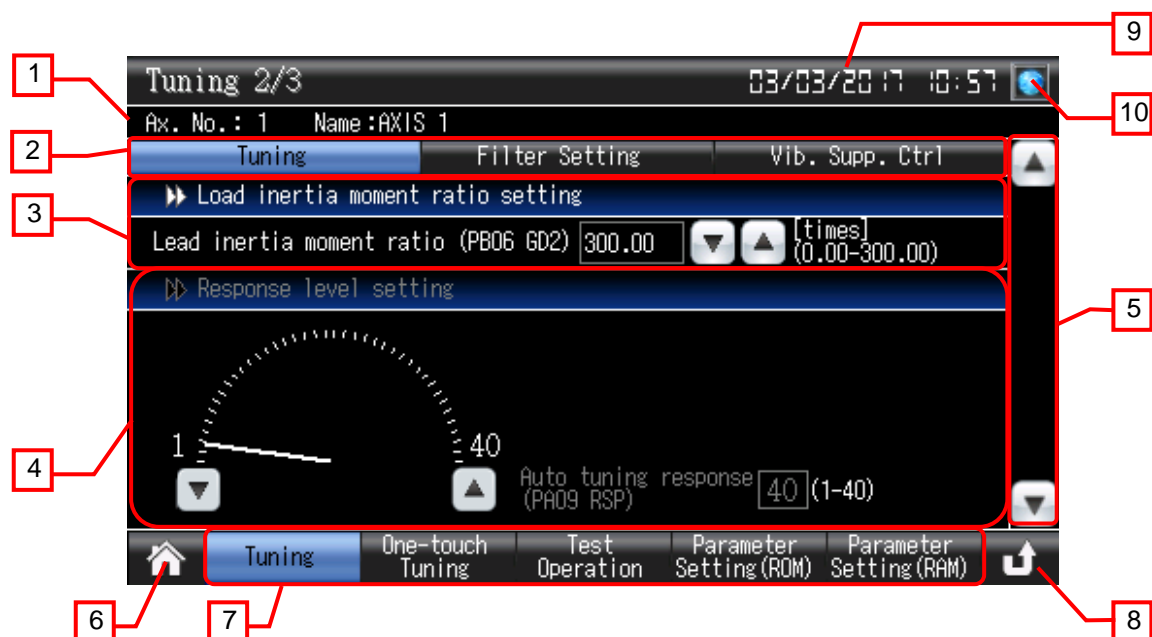
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Select the gain adjustment mode. The items to be set differ according to the selected mode.
4. Switches the display items of the tuning.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".

5.3.4 Tuning 2/3 (B-30013)



Outline

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

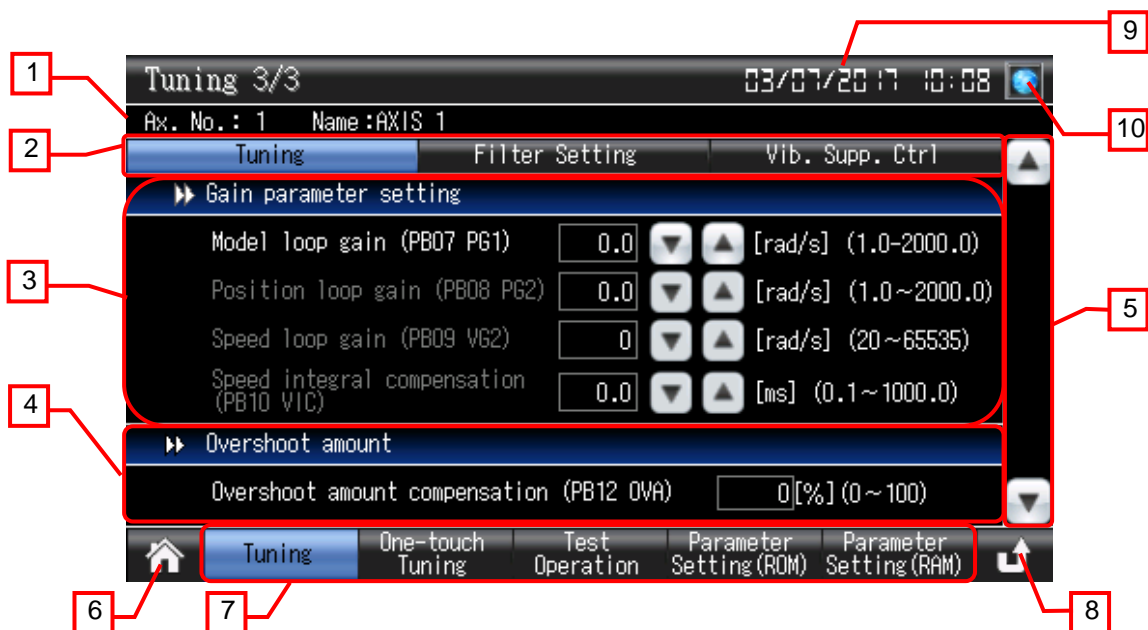
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Set the load inertia moment ratio.
4. Set the auto tuning response.
5. Switches the display items of the tuning.
6. Switches to the [Menu] screen.
7. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 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".

5.3.5 Tuning 3/3 (B-30014)



Outline

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

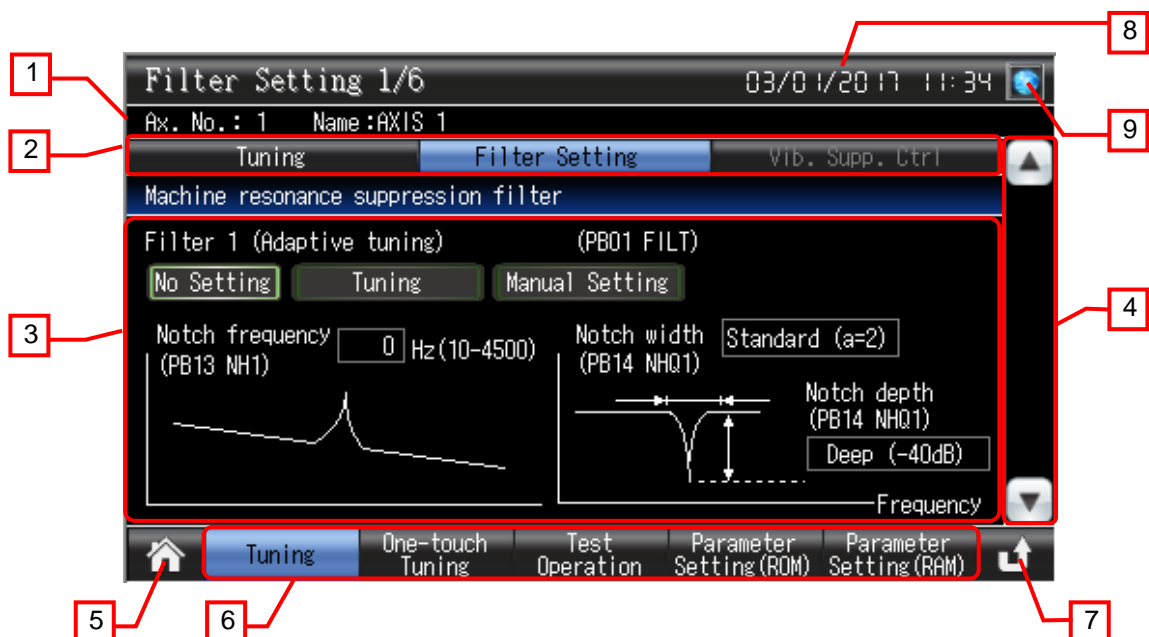
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Set the gain parameter.
4. Set the overshoot amount.
5. Switches the display items of the tuning.
6. Switches to the [Menu] screen.
7. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 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".

5.3.6 Filter Setting 1/6 (B-30015)



Outline

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

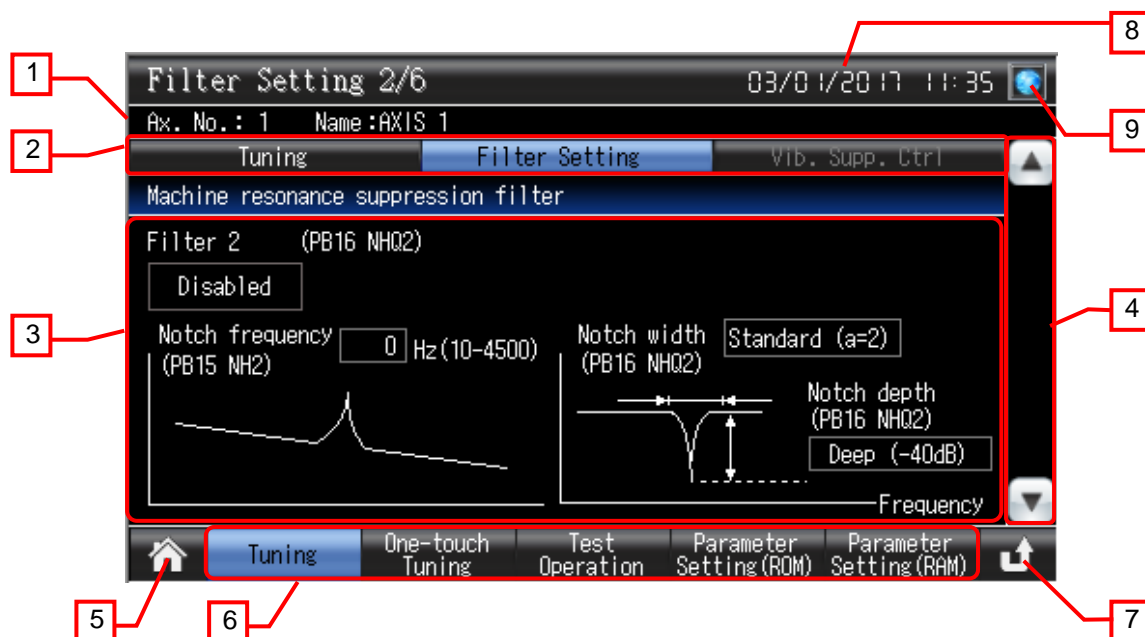
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Set the filter 1 (adaptive tuning).
4. Switches the display items of the filter setting.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".
- The screen switching is not allowed until the parameter setting is completed.

5.3.7 Filter Setting 2/6 to 4/6 (B-30016 to 30018)



Outline

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

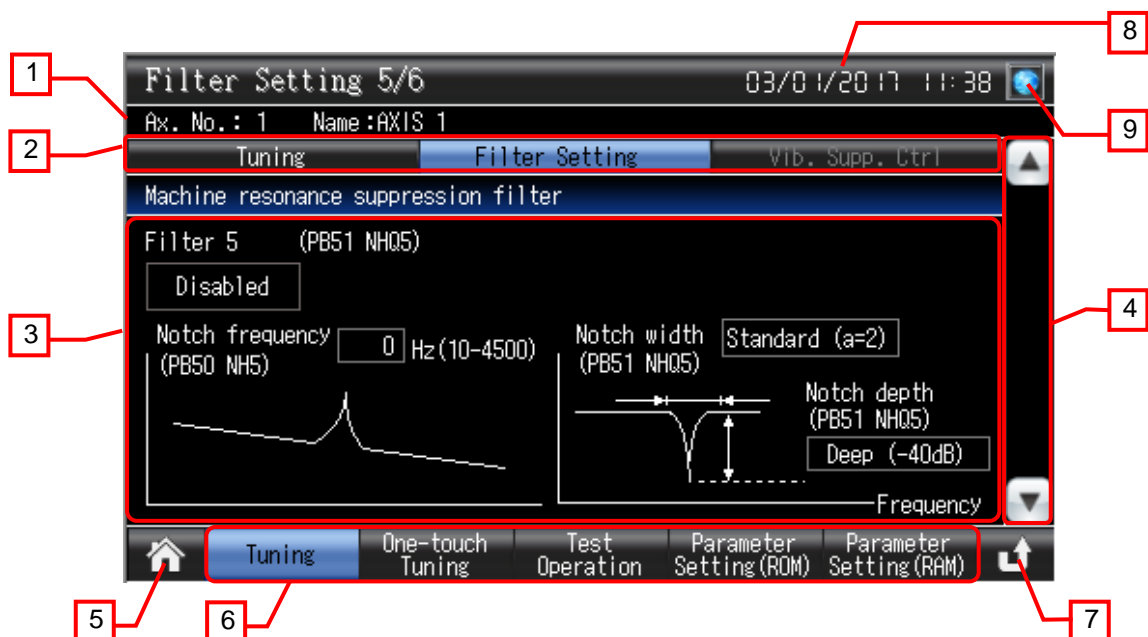
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Set the filter.
4. Switches the display items of the filter setting.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".
- The screen switching is not allowed until the parameter setting is completed.

5.3.8 Filter Setting 5/6 (B-30019)



Outline

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

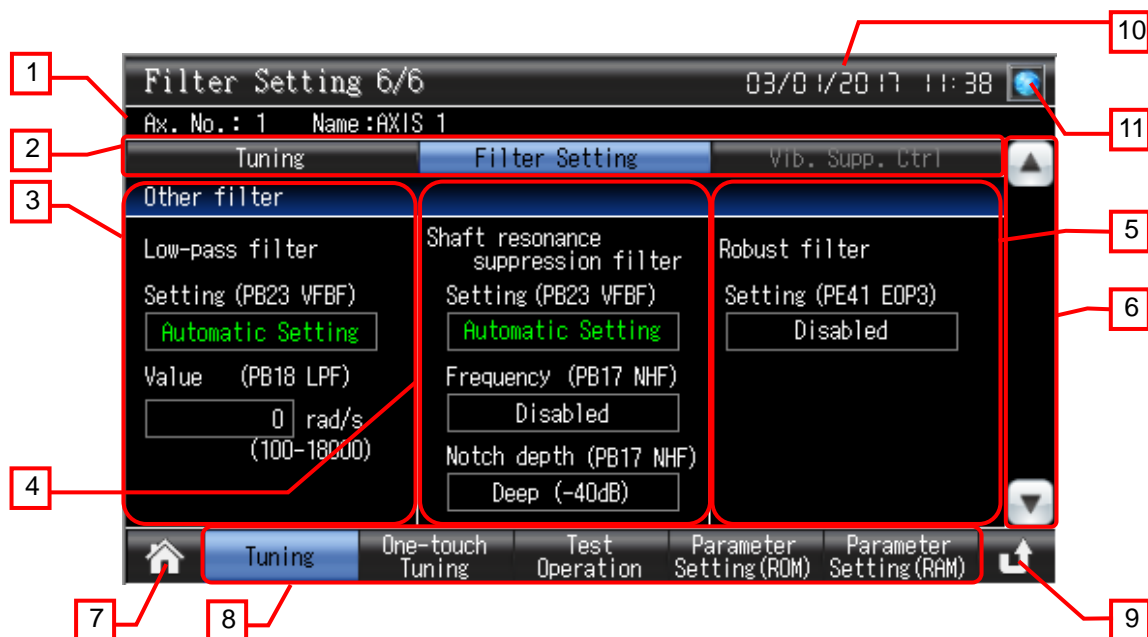
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Set the filter. Filter 5 cannot be set when the robust filter is enabled.
4. Switches the display items of the filter setting.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".
- The screen switching is not allowed until the parameter setting is completed.

5.3.9 Filter Setting 6/6 (B-30020)



Outline

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

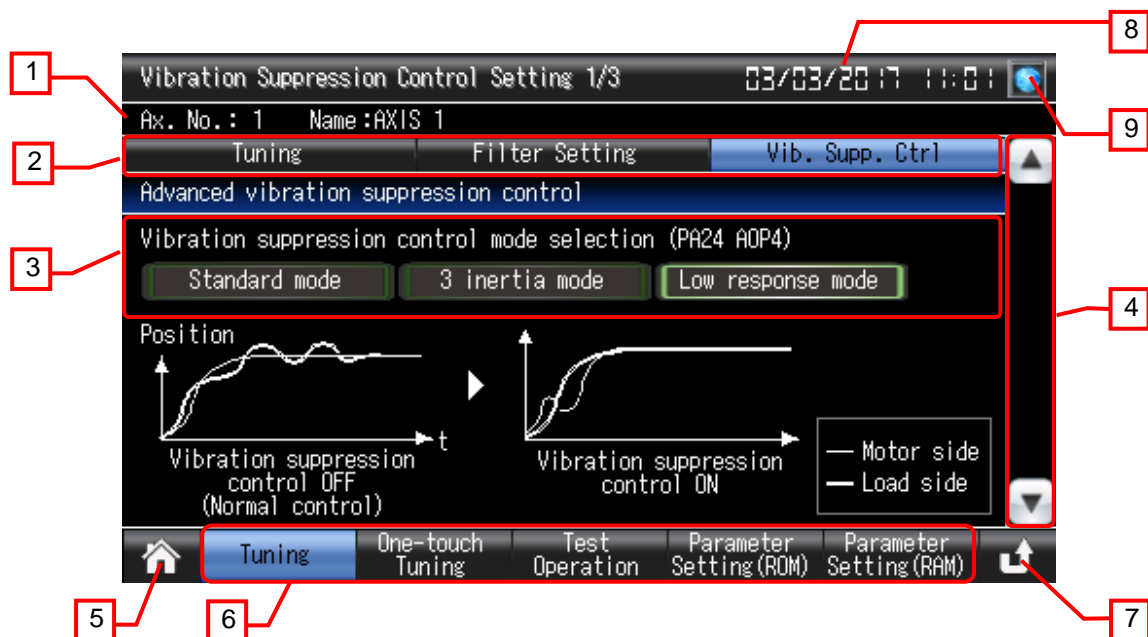
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. 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.
3. Set the low-pass filter.
4. Set the shaft resonance suppression filter. It cannot be set when filter 4 of the machine resonance suppression filter is enabled.
5. Set the robust filter.
6. Switches the display items of the filter setting.
7. Switches to the [Menu] screen.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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".
- The screen switching is not allowed until the parameter setting is completed.

5.3.10 Vibration Suppression Control1/3 (B-30021)



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. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen
3. Select the vibration suppression control mode.
4. Switches the display items of the vibration suppression control setting.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".

5.3.11 Vibration Suppression Control2/3 (B-30022)



Outline

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

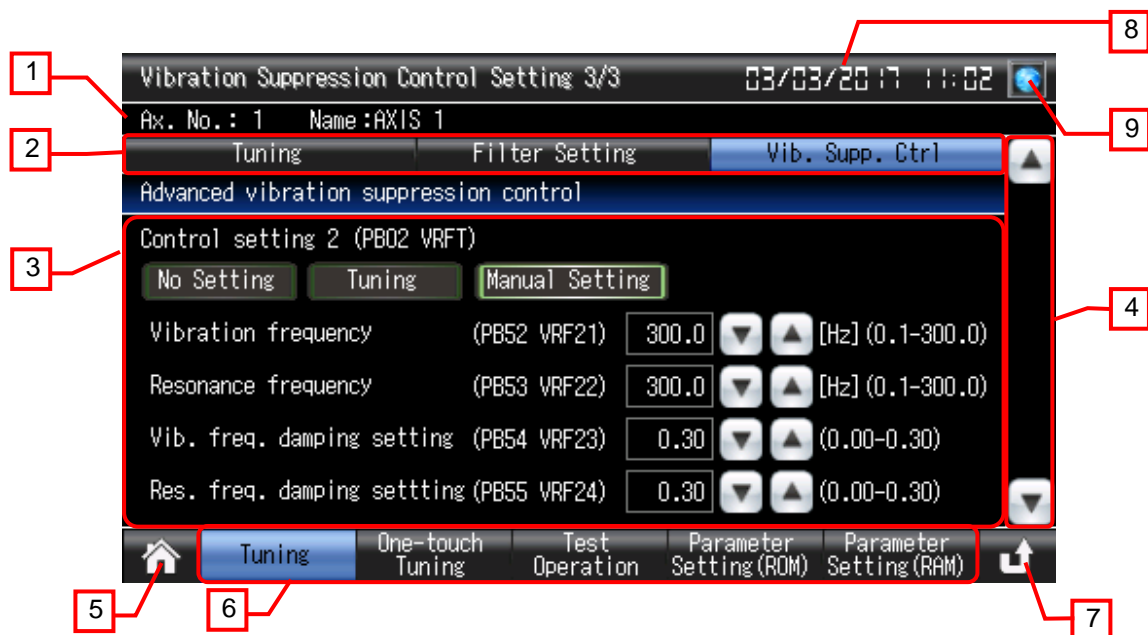
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen
3. Set the vibration suppression control 1.
4. Switches the display items of the vibration suppression control setting.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".

5.3.12 Vibration Suppression Control 3/3 (B-30023)



Outline

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

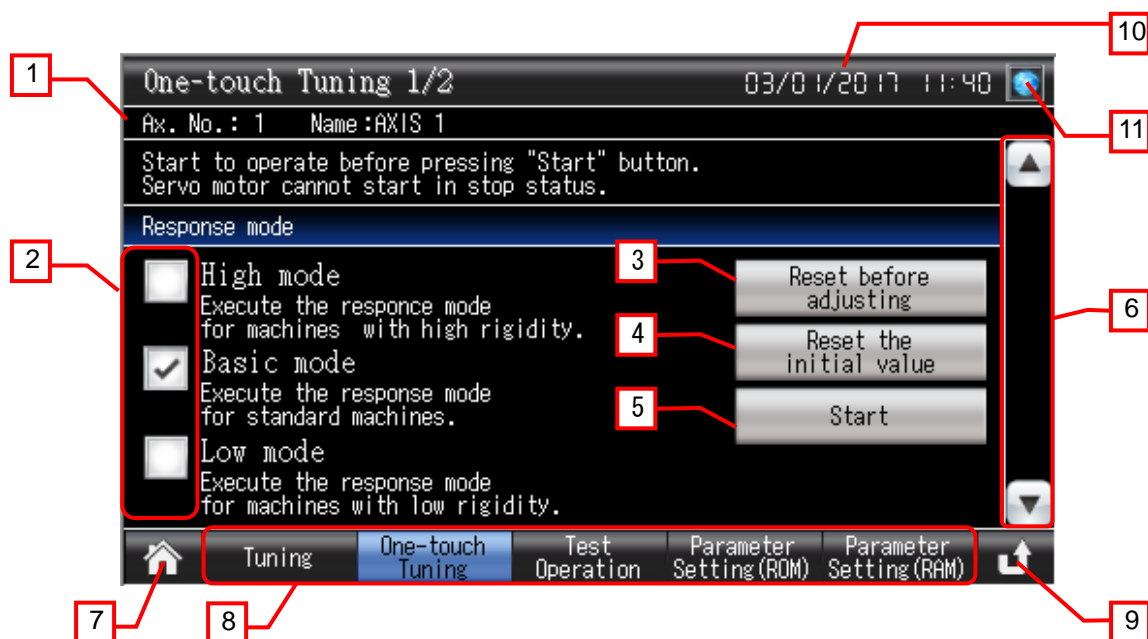
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen
3. Set the vibration suppression control 2.
4. Switches the display items of the vibration suppression control setting.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".

5.3.13 One-Touch Tuning 1/2(B-30024)



Outline

This screen is used to perform one-touch tuning.

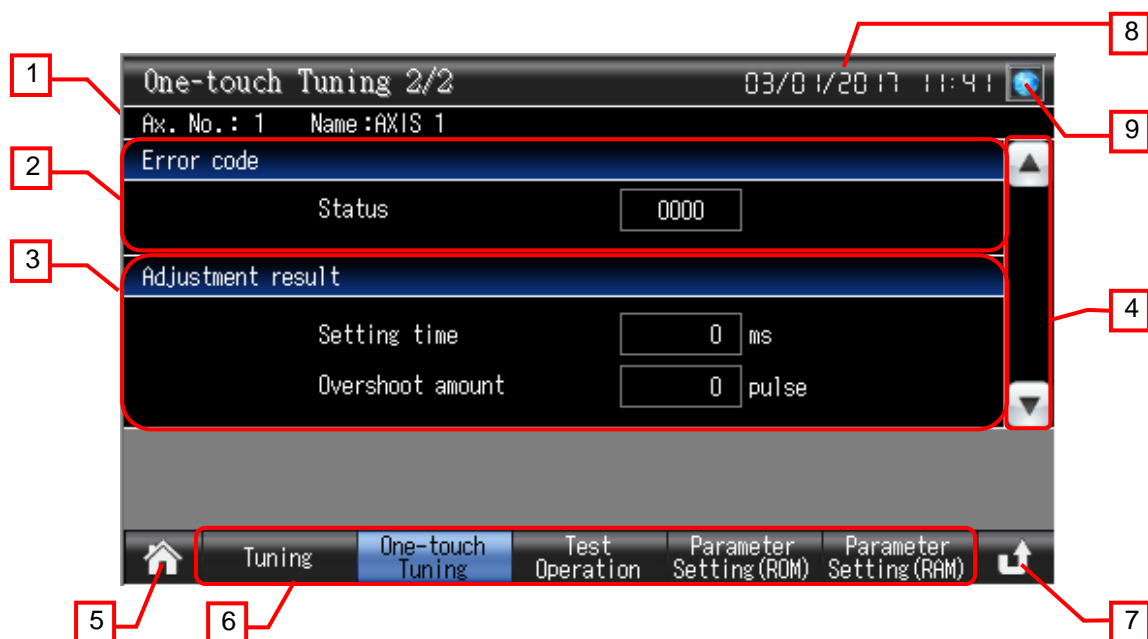
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window
2. Select the response mode.
3. Resets to the status before the one-touch tuning is performed.
4. Resets to the initial value.
5. Starts the one-touch tuning in the selected response mode. During the tuning, the window for indicating the [One-touch tuning progress] is displayed.
6. Switches the display items of the one-touch tuning.
7. Switches to the [Menu] screen.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 execute the one-touch tuning in the selected response mode. For the details on the script, please refer to "5.8 Script List".

5.3.14 One-Touch Tuning 2/2(B-30025)



Outline

This screen is used to perform one-touch tuning.

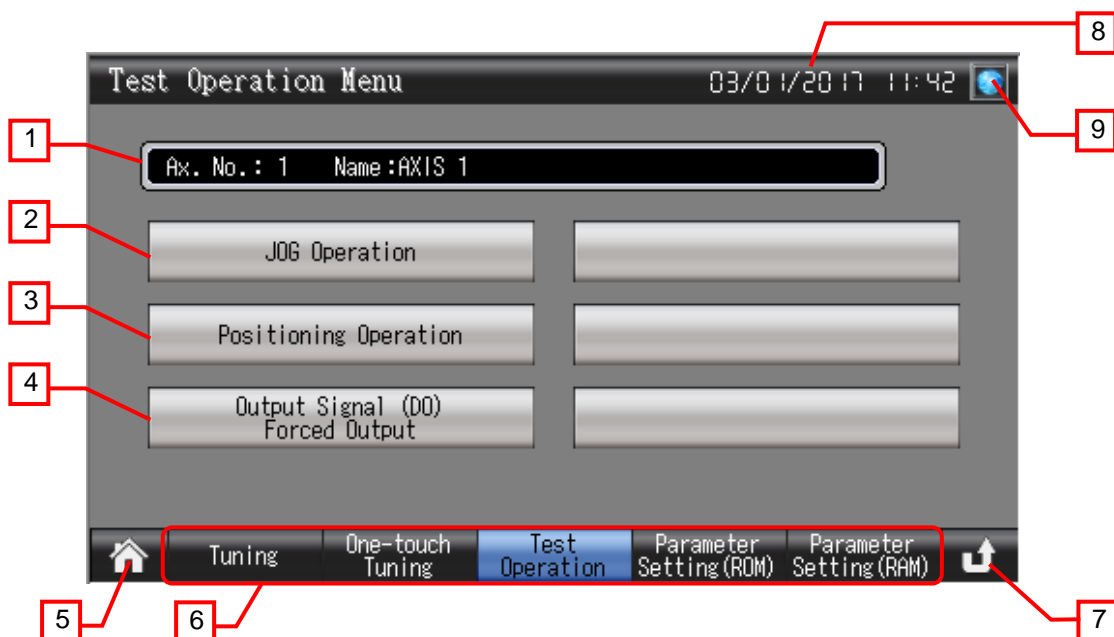
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the error code.
3. Displays the adjustment results.
4. Switches the display items of the one-touch tuning.
5. Switches to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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. 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".

5.3.15 Test Operation Menu (B-30031)



Outline

This screen shows the menu for test operations.

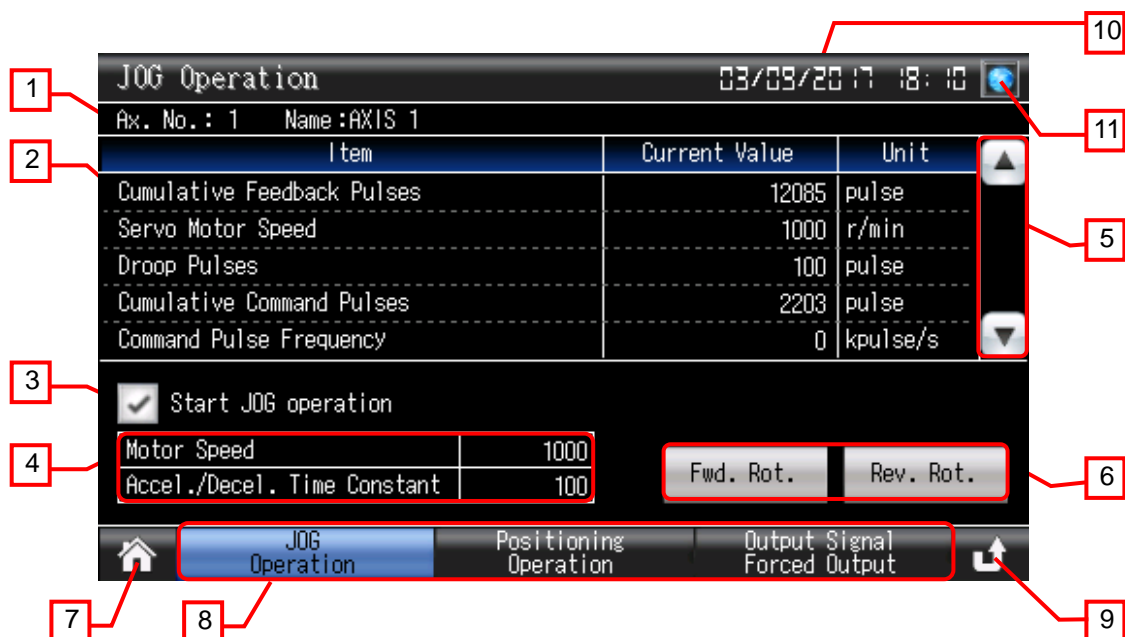
Description

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 to the [Menu] screen.
6. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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".

5.3.16 JOG Operation(B-30033)



Outline

This screen is used to perform a JOG operation test.

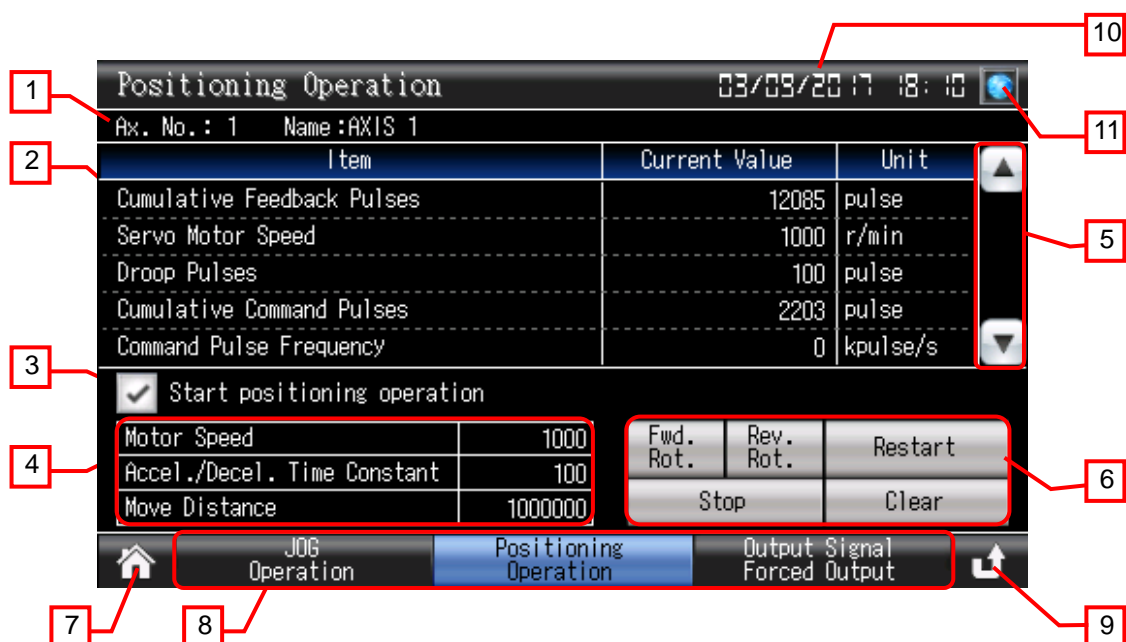
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the status of the servo motor.
3. Switches to the JOG operation mode. Touch the switch again during the JOG operation mode to terminate the test operation mode.
4. Set the motor speed and acceleration/deceleration time constant.
5. Scrolls the screen to view all the displayed items.
6. 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.
7. Switches to the [Menu] screen.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 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.

5.3.17 Positioning Operation (B-30035)



Outline

This screen is used to perform a positioning operation test.

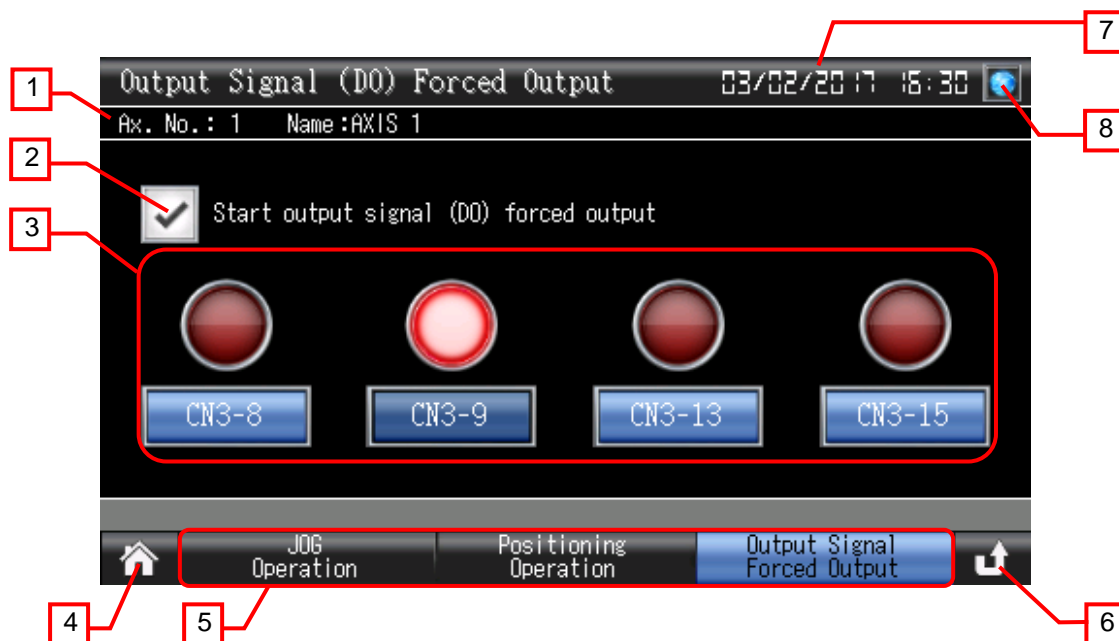
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the status of the servo motor.
3. Switches to the positioning operation mode. Touch the switch again during the positioning operation mode to terminate the test operation mode.
4. Set the motor speed, acceleration/deceleration time constant, and travel distance.
5. Scrolls the screen to view all the displayed items.
6. 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.
7. Switches to the [Menu] screen.
8. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 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.

5.3.18 Output Signal (DO) Forced Output (B-30037)



Outline

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

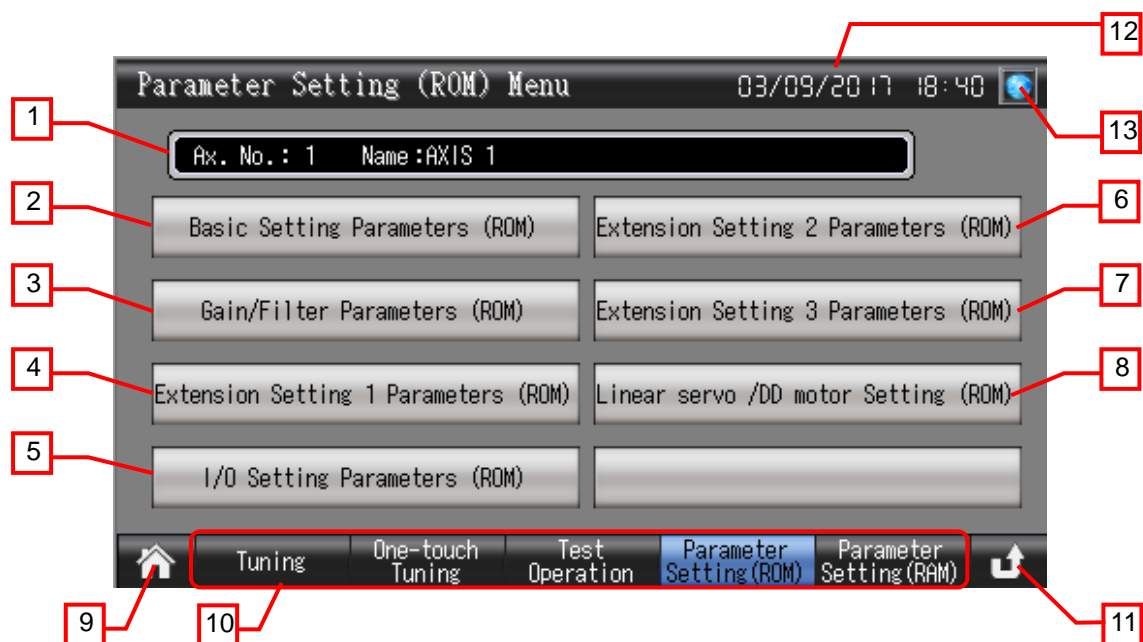
Description

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 to the [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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.

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



Outline

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

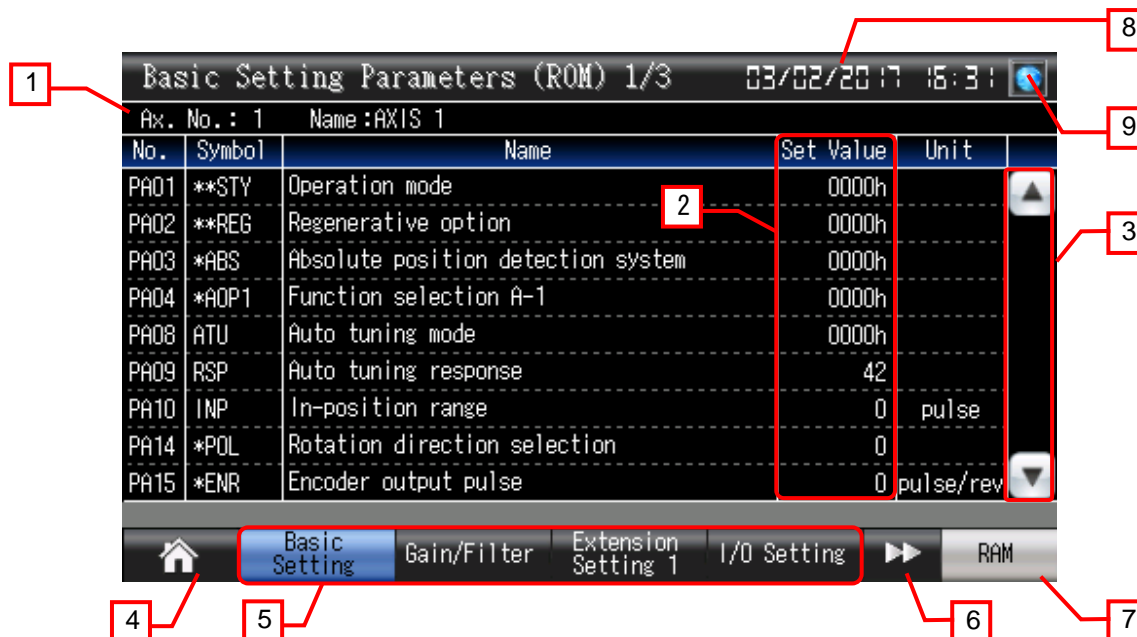
Description

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 to the [Menu] screen.
10. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 this screen is opened, the [Parameter Setting (ROM) Message] window is displayed. The project script is used to display the window. For the details on the script, please refer to "5.8 Script List".

5.3.20 Basic Setting Parameters (ROM) (B-30043 to 30045)



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.

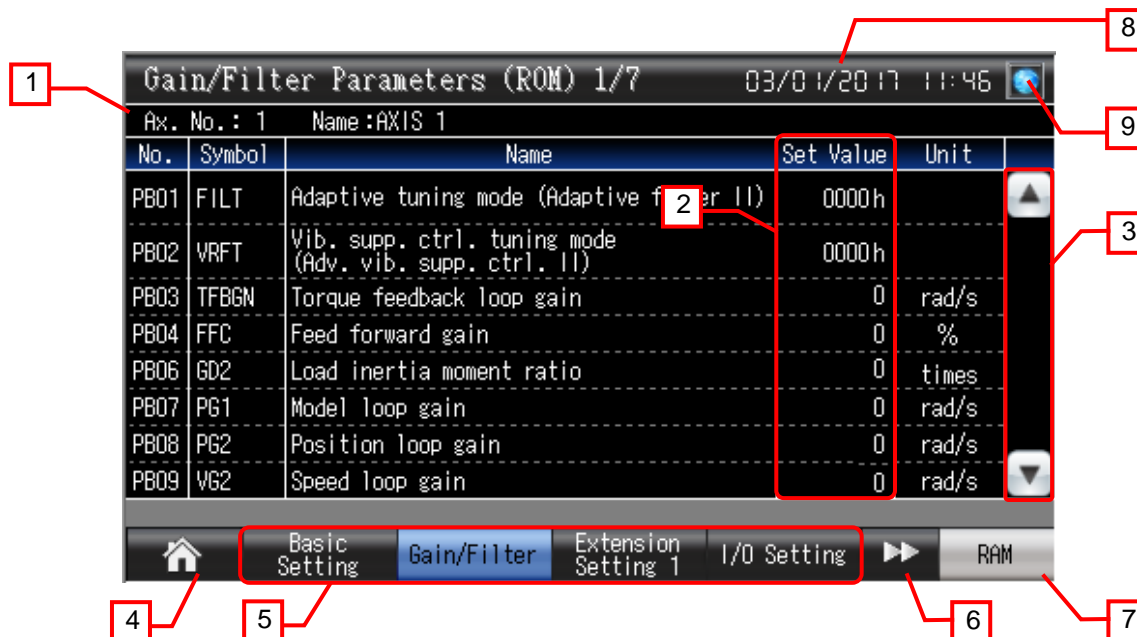
Description

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 [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (ROM)] screen.
7. Switches to the [Basic Setting Parameters (RAM)] 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".

5.3.21 Gain/Filter Parameters (ROM) (B-30047 to 30053)



Outline

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

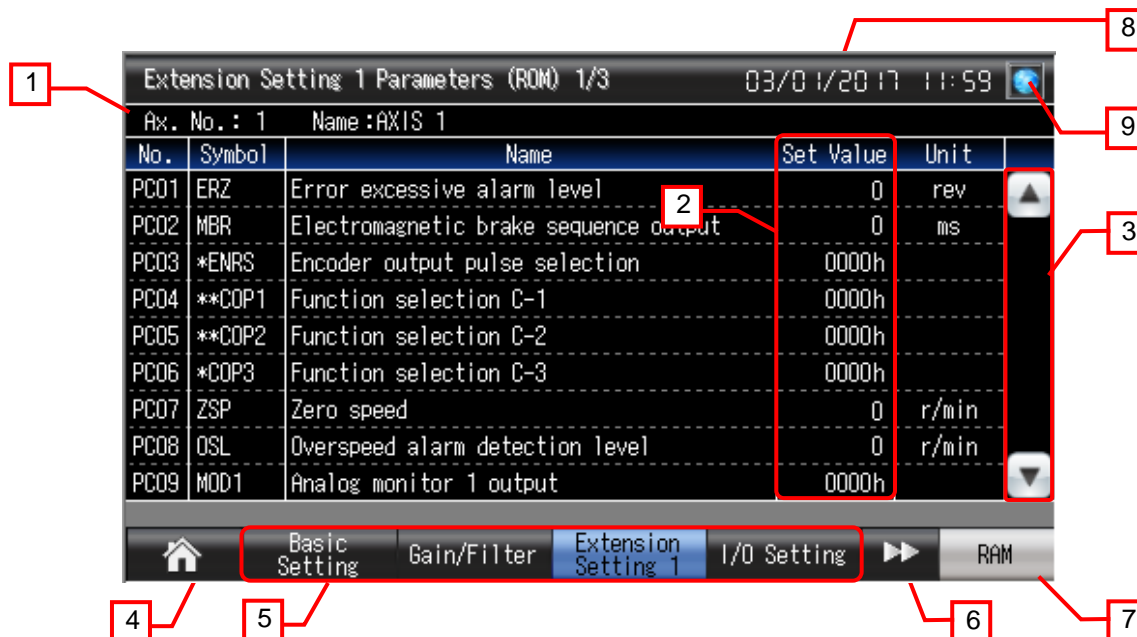
Description

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 gain/filter parameter.
4. Switches to the [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (ROM)] screen.
7. Switches to the [Gain/Filter Parameters (RAM)] 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".

5.3.22 Ext. Setting 1 Parameters (ROM) (B-30055 to 30057)



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.

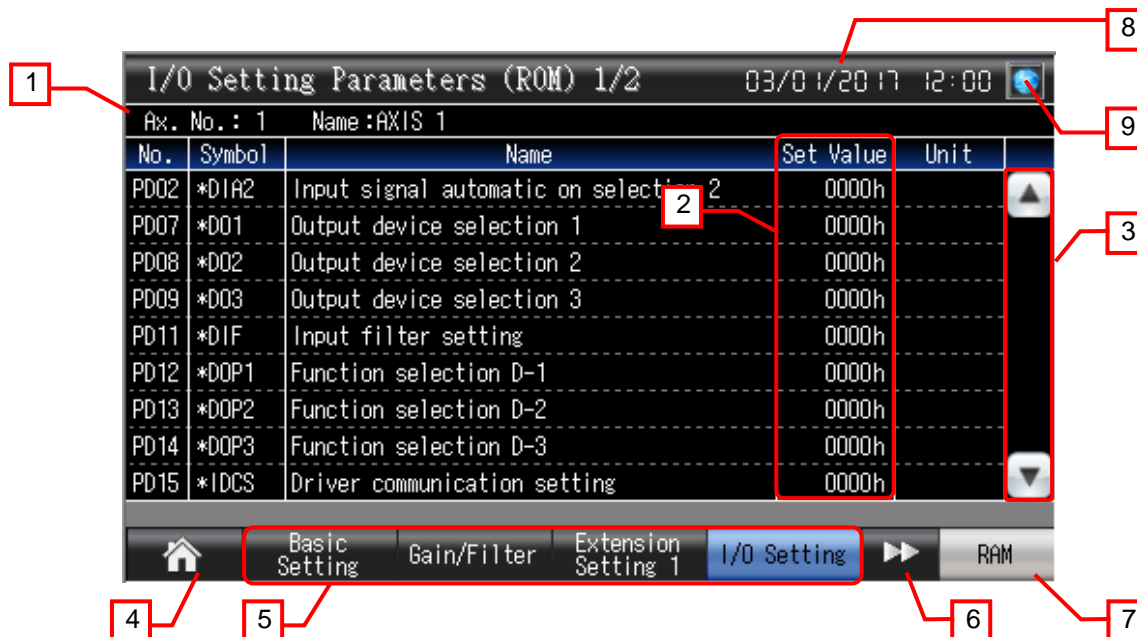
Description

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 [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (ROM)] screen.
7. Switches to the [Extension Setting 1 Parameters (RAM)] 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".

5.3.23 I/O Setting Parameters (ROM) (B-30059 to 30060)



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.

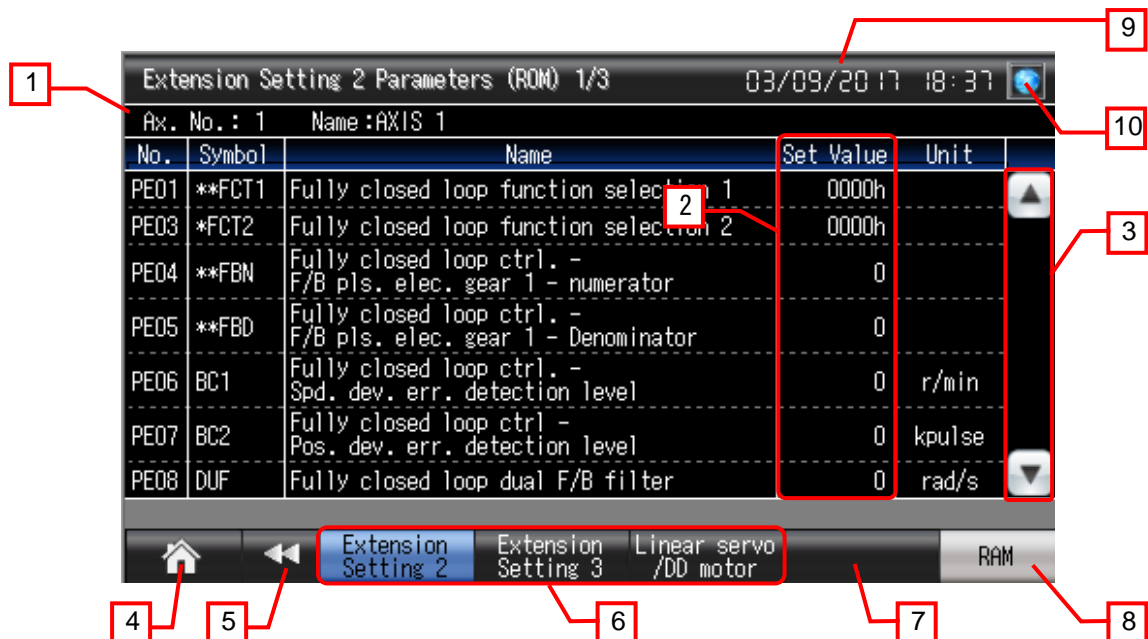
Description

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. Scrolls the screen to view all the displayed items of the I/O setting parameters.
4. Switches to the [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (ROM)] screen.
7. Switches to the [I/O Setting Parameters (RAM)] 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".

5.3.24 Ext. Setting 2 Parameters (ROM) (B-30062 to 30064)



Outline

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

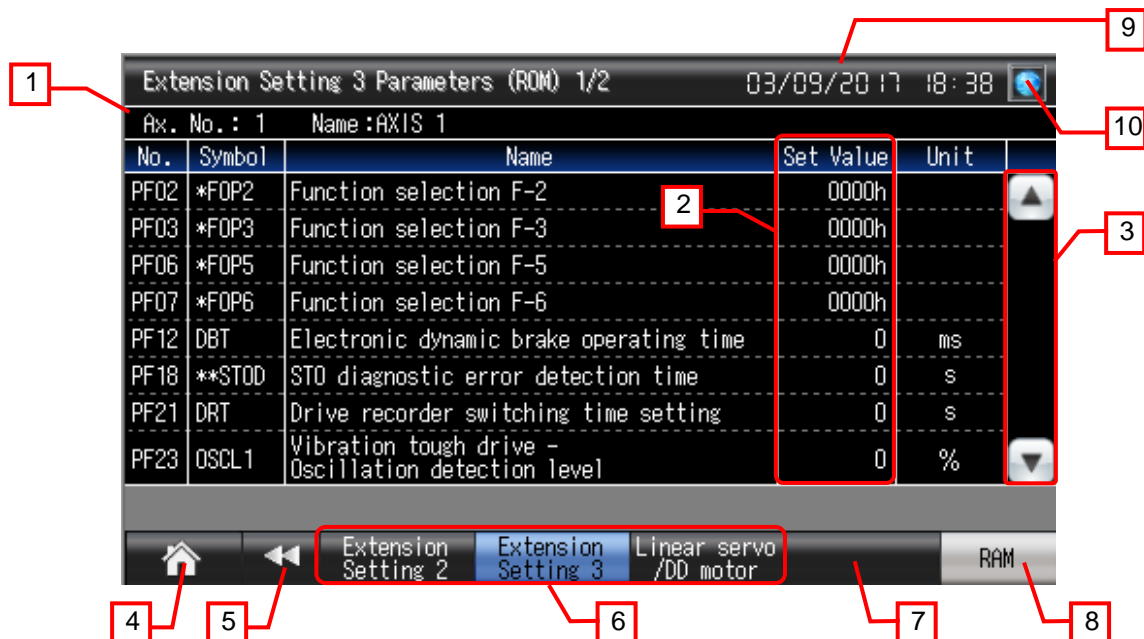
Description

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 2 parameter.
4. Switches to the [Menu] screen.
5. Switches to the [Basic Setting Parameters (ROM)] 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 [Extension Setting 2 Parameters (RAM)] 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".

5.3.25 Ext. Setting 3 Parameters (ROM) (B-30065 to 30066)



Outline

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

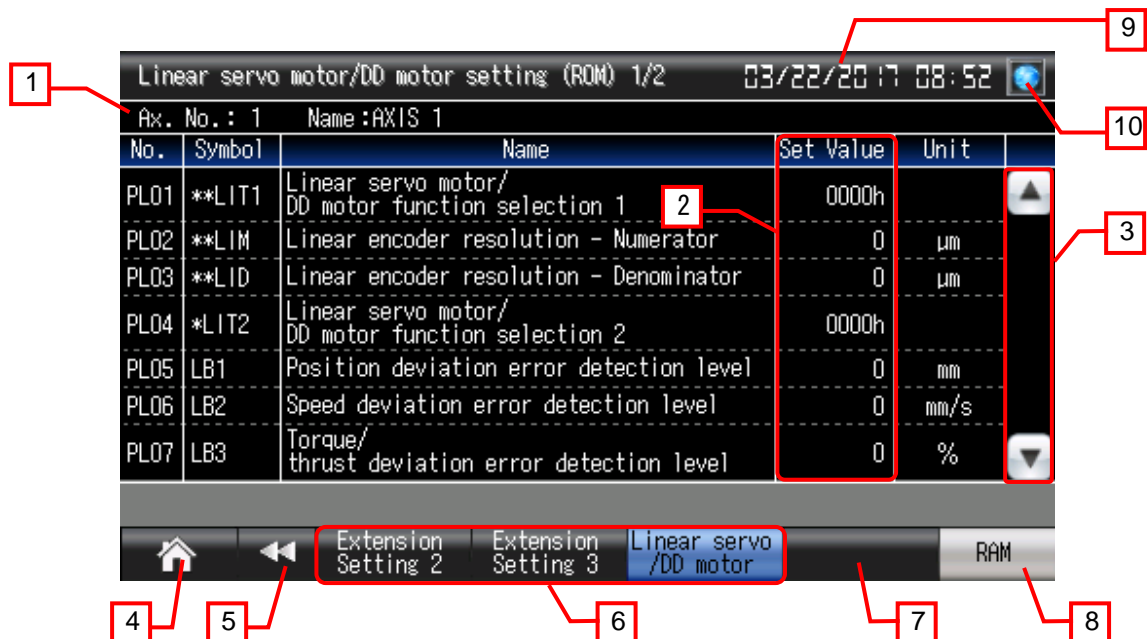
Description

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 3 parameter.
4. Switches to the [Menu] screen.
5. Switches to the [Basic Setting Parameters (ROM)] 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 [Extension Setting 3 Parameters (RAM)] 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".

5.3.26 Linear Servo Motor/DD Motor (ROM) (B-30068 to 30069)



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.

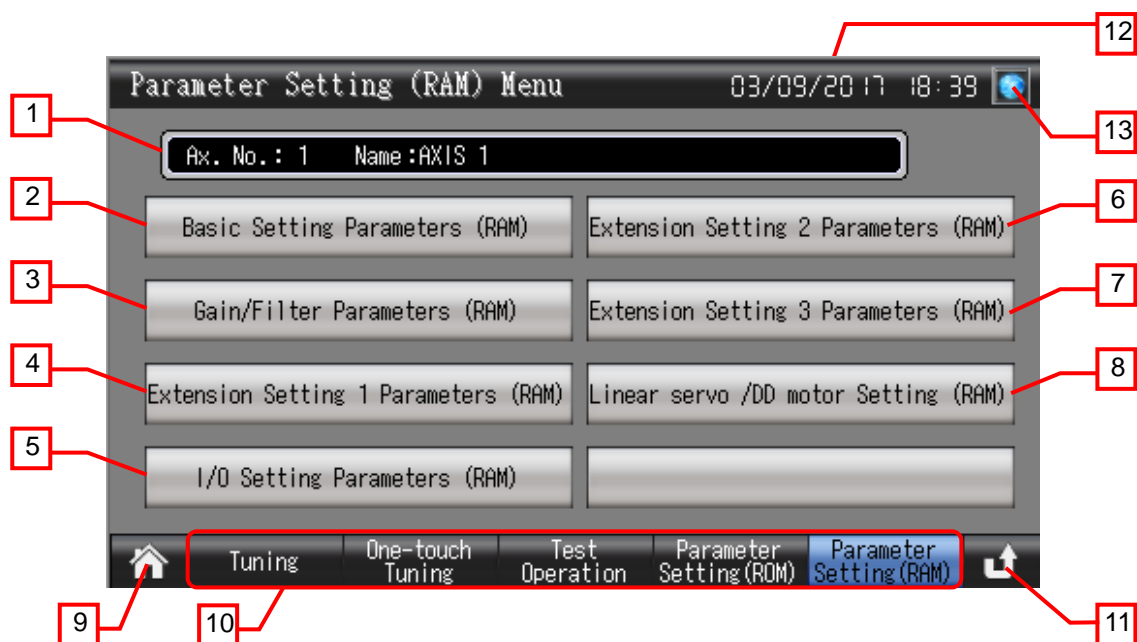
Description

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. Scrolls the screen to view all the displayed items of the linear servo motor/DD motor setting parameter.
4. Switches to the [Menu] screen.
5. Switches to the [Basic Setting Parameters (ROM)] 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 [Linear servo motor/DD motor setting (RAM)] 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".

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



Outline

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

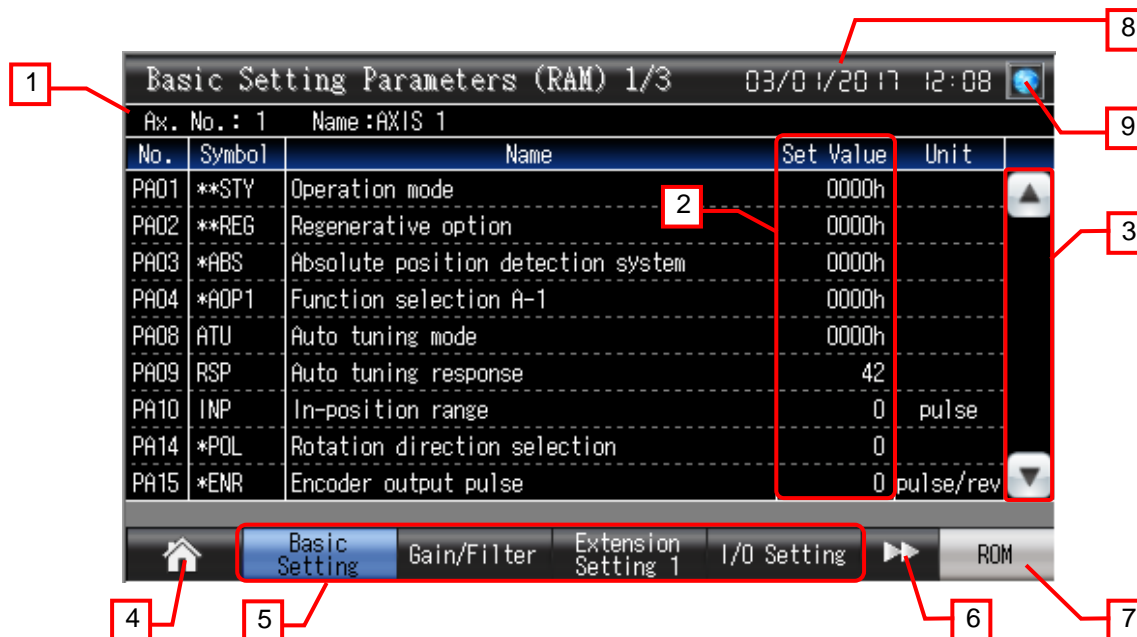
Description

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 to the [Menu] screen.
10. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
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 this screen is opened, the [Parameter Setting (RAM) Message] window is displayed. The project script is used to display the window. For the details on the script, please refer to "5.8 Script List".

5.3.28 Basic Setting Parameters (RAM) (B-30073 to 30075)



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.

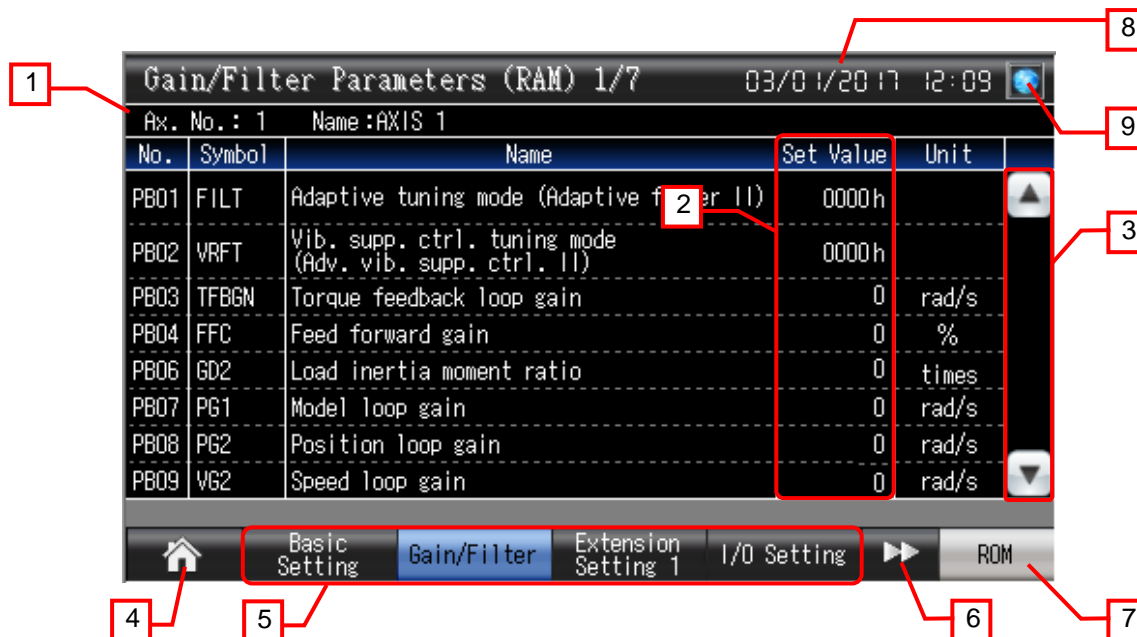
Description

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 [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (RAM)] screen.
7. Switches to the [Basic Setting Parameters (ROM)] 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".

5.3.29 Gain/Filter Parameters (RAM) (B-30077 to 30083)



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.

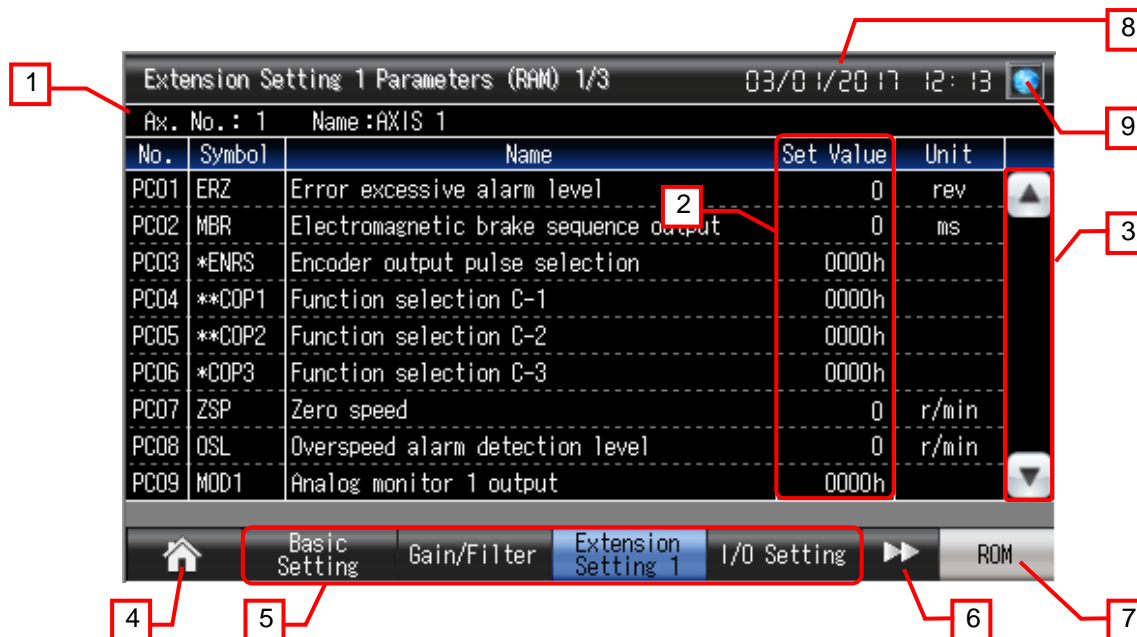
Description

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 [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (RAM)] screen.
7. Switches to the [Gain/Filter Parameters (ROM)] 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".

5.3.30 Ext. Setting 1 Parameters (RAM) (B-30085 to 30087)



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 [Menu] screen.
5. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
6. Switches to the [Extension Setting 2 Parameters (RAM)] screen.
7. Switches to the [Extension Setting 1 Parameters (ROM)] 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".

The screenshot shows the 'I/O Setting Parameters (RAM) 1/2' screen. At the top, it displays 'Ax. No.: 1' and 'Name: AXIS 1'. Below this is a table with columns: No., Symbol, Name, Set Value, and Unit. The table lists parameters PD02 through PD15. A red box highlights the 'Set Value' column for parameters PD02 through PD15, with a callout '2' pointing to the value '0000h' for PD02. A vertical scrollbar is on the right side of the table, with a callout '3' pointing to it. At the bottom, there is a navigation bar with buttons: 'Basic Setting', 'Gain/Filter', 'Extension Setting 1', 'I/O Setting' (highlighted in blue), and 'ROM'. A callout '4' points to the 'Basic Setting' button, '5' points to the 'I/O Setting' button, '6' points to the 'ROM' button, and '7' points to the 'I/O Setting' button. A callout '8' points to the date and time '03/01/2017 12:14' at the top right. A callout '9' points to a small icon in the top right corner.

No.	Symbol	Name	Set Value	Unit
PD02	*DIA2	Input signal automatic on select 2	0000h	
PD07	*D01	Output device selection 1	0000h	
PD08	*D02	Output device selection 2	0000h	
PD09	*D03	Output device selection 3	0000h	
PD11	*DIF	Input filter setting	0000h	
PD12	*DOP1	Function selection D-1	0000h	
PD13	*DOP2	Function selection D-2	0000h	
PD14	*DOP3	Function selection D-3	0000h	
PD15	*IDCS	Driver communication setting	0000h	

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.

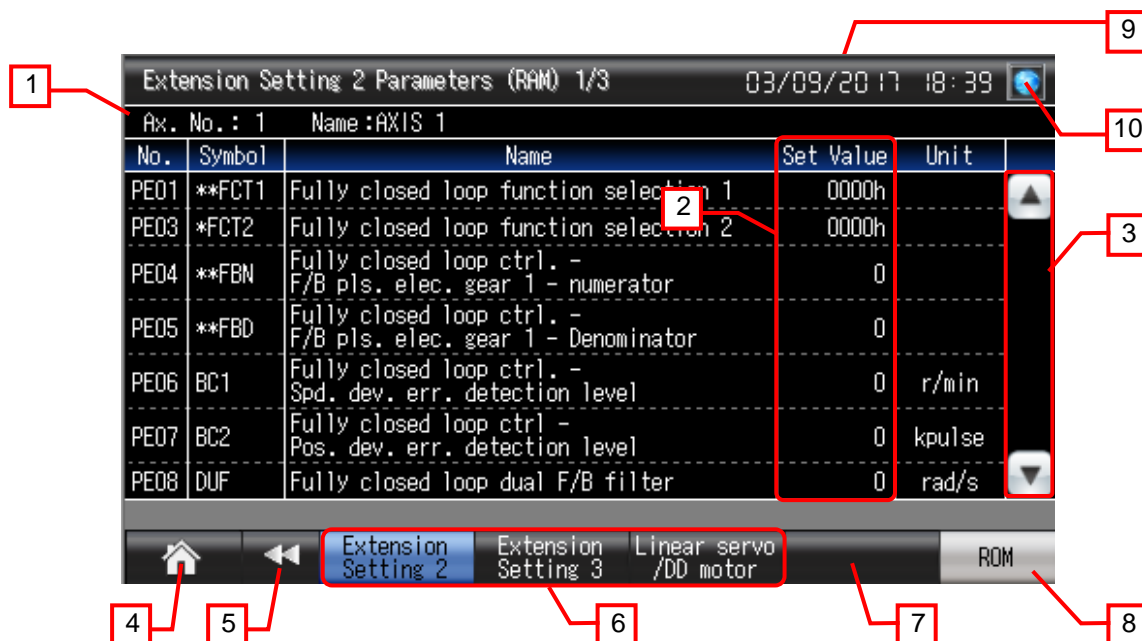
Description

- 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 I/O setting parameter.
- Switches to the [Menu] screen.
- Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
- Switches to the [Extension Setting 2 Parameters (RAM)] screen.
- Switches to the [I/O Setting Parameters (ROM)] 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".

5.3.32 Ext. Setting 2 Parameters (RAM) (B-30092 to 30094)



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.

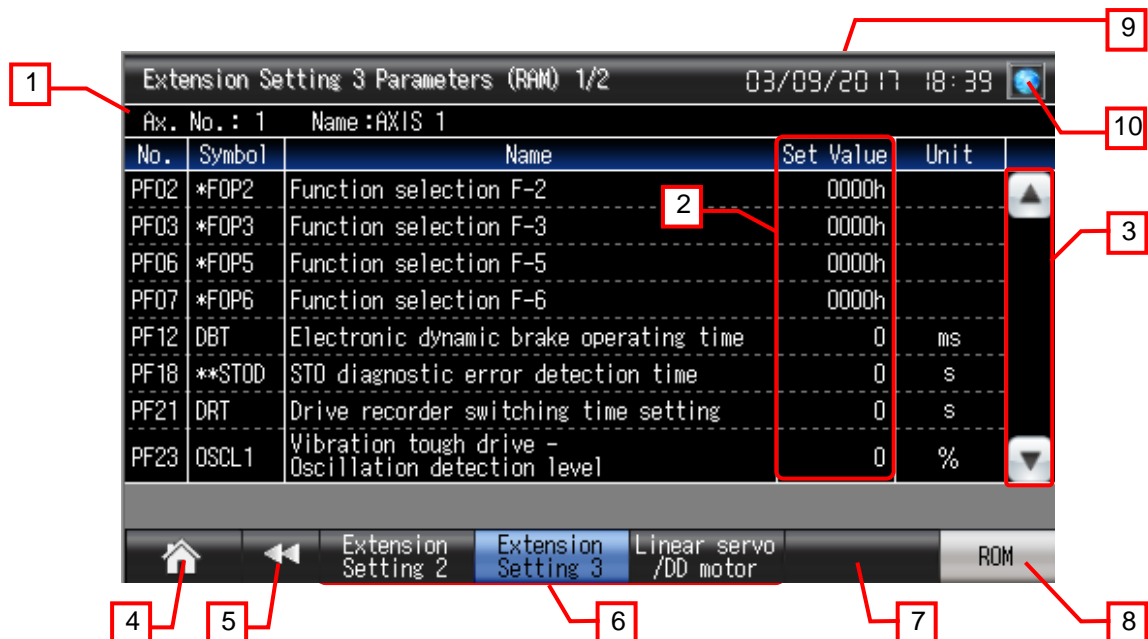
Description

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 [Menu] screen.
5. Switches to the [Basic Setting Parameters (RAM)] 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 [Extension Setting 2 Parameters (ROM)] 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".

5.3.33 Ext. Setting 3 Parameters (RAM) (B-30095 to 30096)



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.

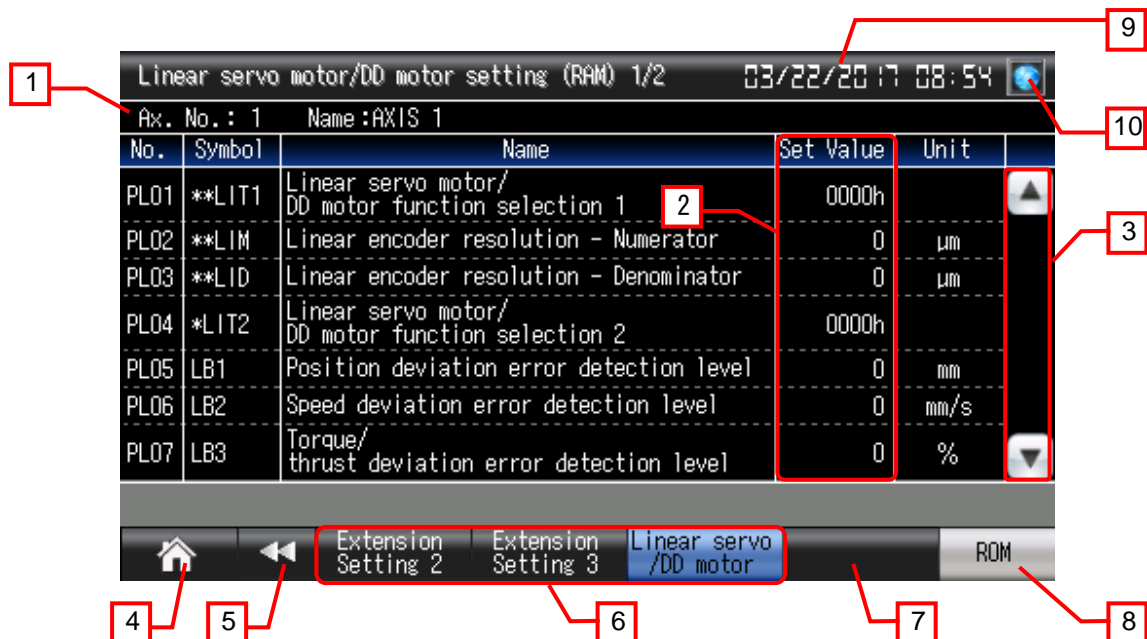
Description

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. Scrolls the screen to view all the displayed items of the extension setting 3 parameter.
4. Switches to the [Menu] screen.
5. Switches to the [Basic Setting Parameters (RAM)] 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 [Extension Setting 3 Parameters (ROM)] 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".

5.3.34 Linear Servo Motor/DD Motor (RAM) (B-30098 to 30099)



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.

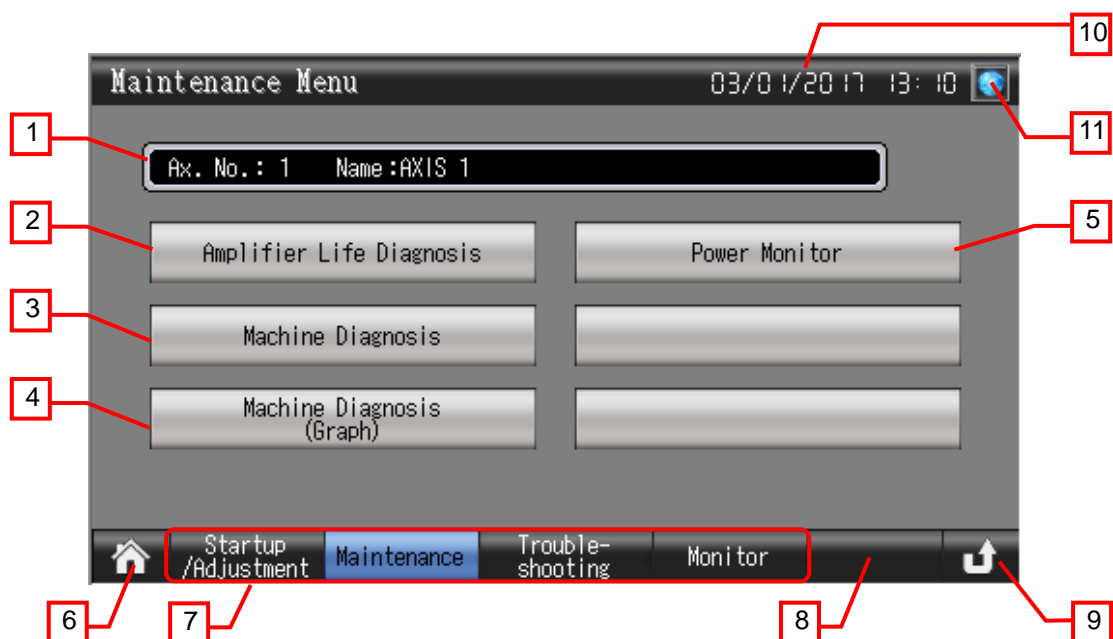
Description

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. Scrolls the screen to view all the displayed items of the linear servo motor/DD motor setting parameter.
4. Switches to the [Menu] screen.
5. Switches to the [Basic Setting Parameters (RAM)] 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 [Linear servo motor/DD motor setting (ROM)] 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".

5.3.35 Maintenance Menu (B-30101)



Outline

This screen shows the menu for maintenance.

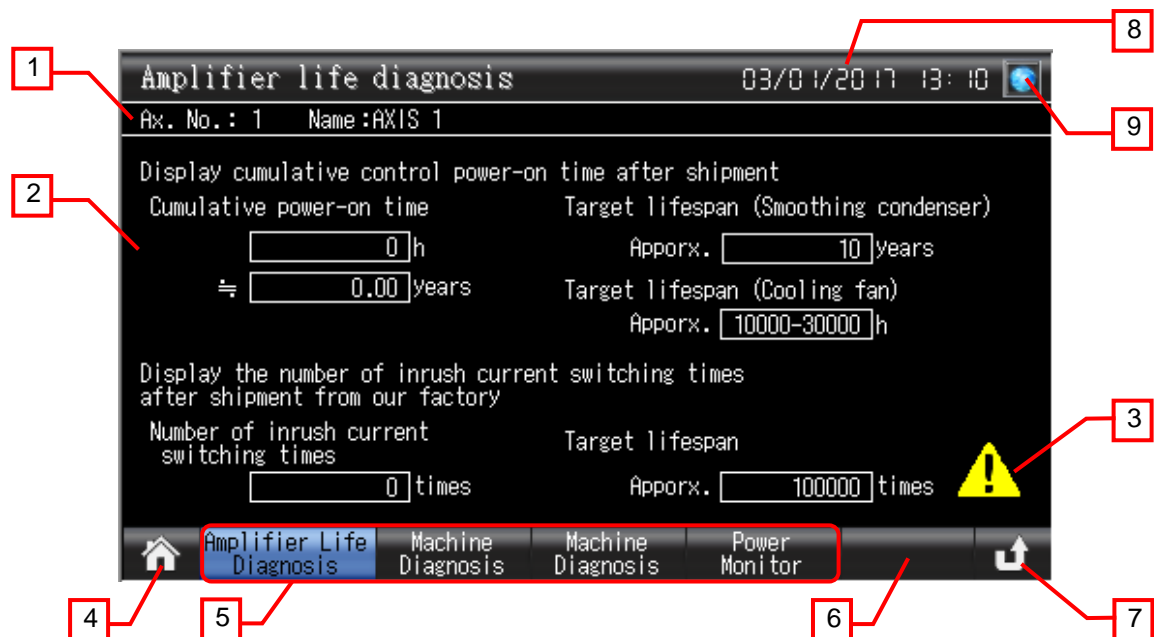
Description

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 to the [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".

5.3.36 Amplifier Life Diagnosis (B-30103)



Outline

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

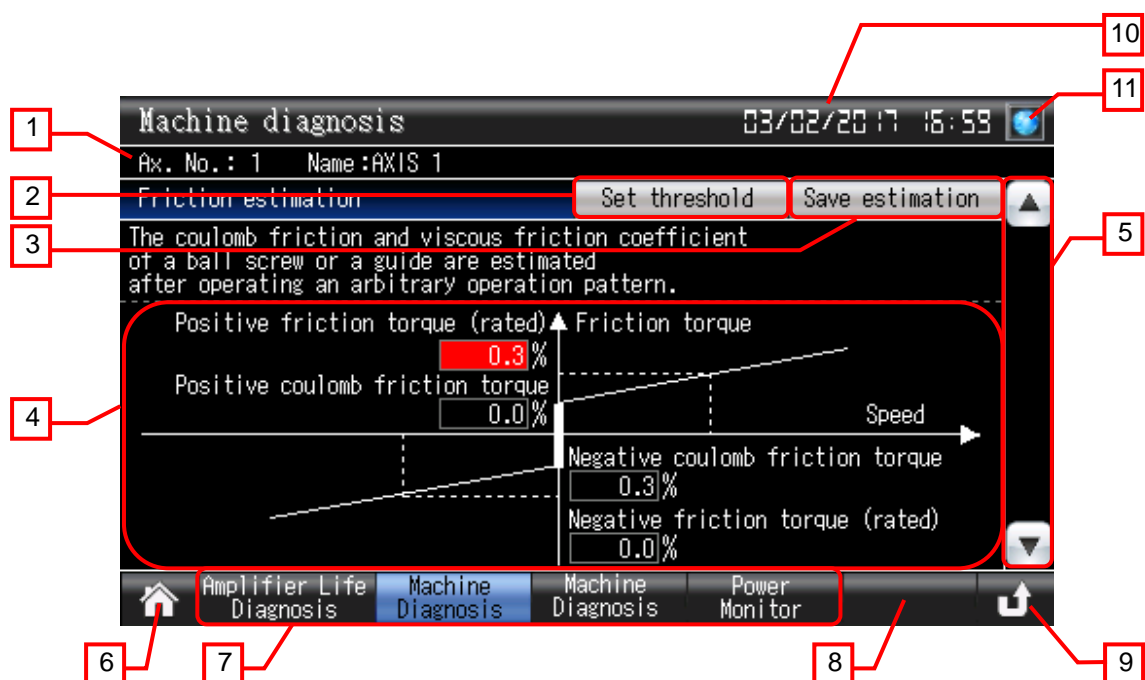
Description

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. Displays the [Amplifier Life Diagnosis Message] window.
4. Switches to the [Menu] 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".

5.3.37 Machine Diagnosis (B-30105 to 30106)



Outline

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

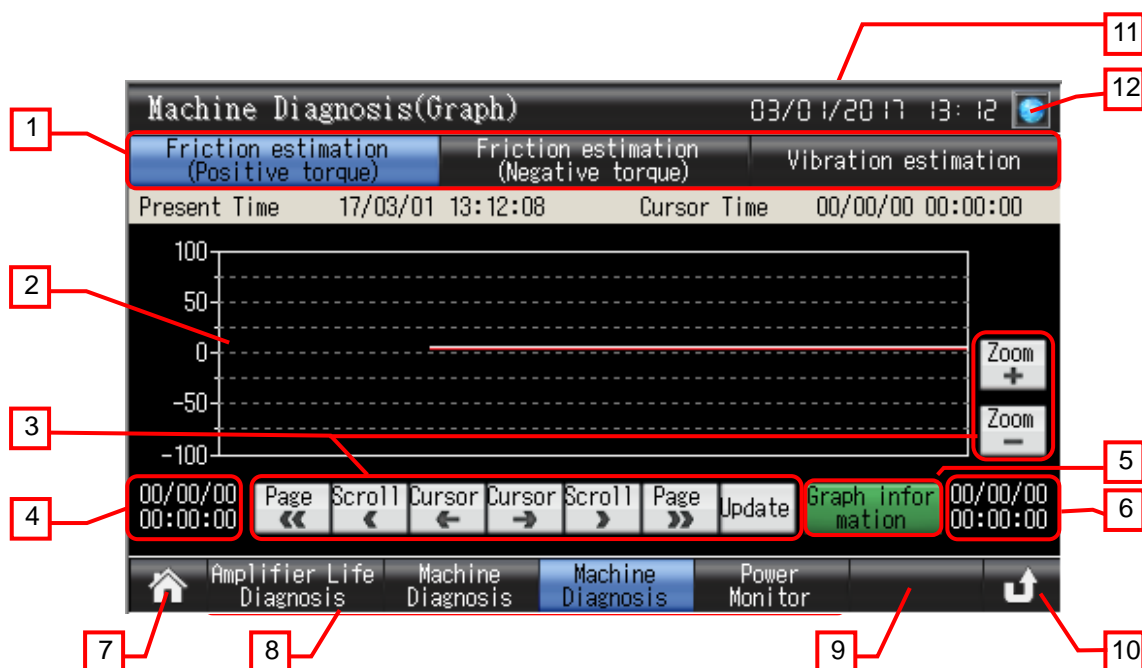
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays the [Threshold value setting] window.
3. Displays the [Estimated value saving] window.
4. 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.
5. Switches the display items of the machine diagnosis.
6. Switches to the [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. 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.

5.3.38 Machine Diagnosis (Graph) (B-30107 to 30111)



Outline

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

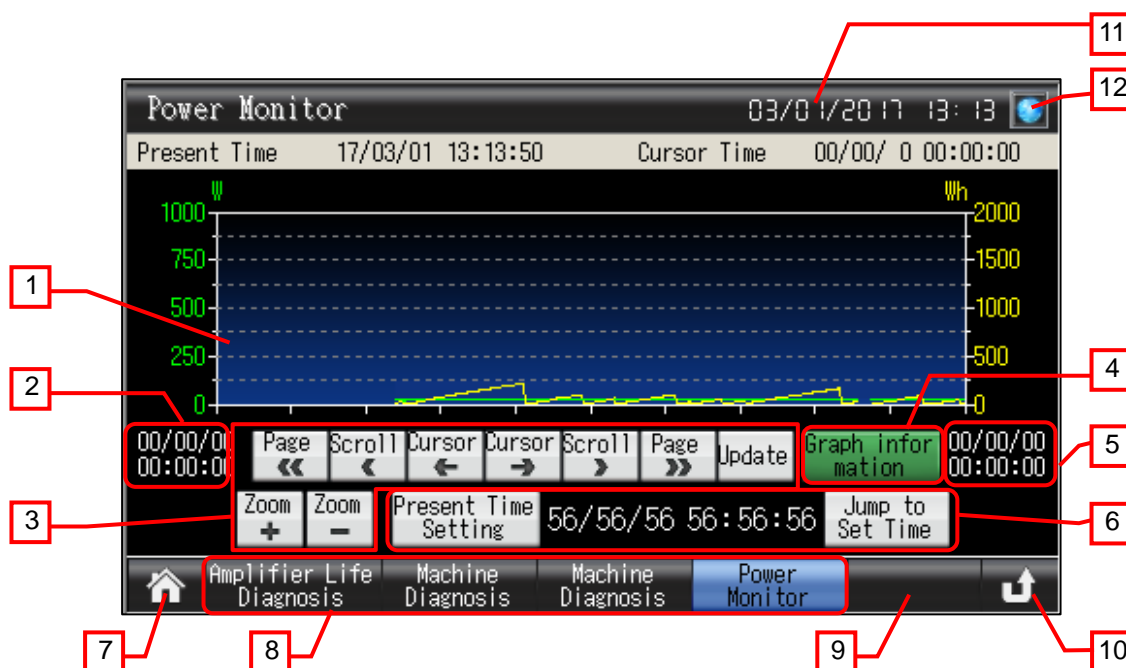
Description

1. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
2. Displays the estimated value in the historical trend graph. The estimated value is displayed in the same color as the text color of [Estimated Value] and [Cursor Value] shown in the [Machine Diagnosis Graph Status Display] window. Touch the graph to display the cursor.
3. 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.
4. Displays the end position time of the historical trend graph.
5. Displays the [Machine Diagnosis Graph Status Display] window.
6. Displays the beginning position time of the historical trend graph.
7. Switches to the [Menu] screen.
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

- 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".

5.3.39 Power Monitor (B-30113)



Outline

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

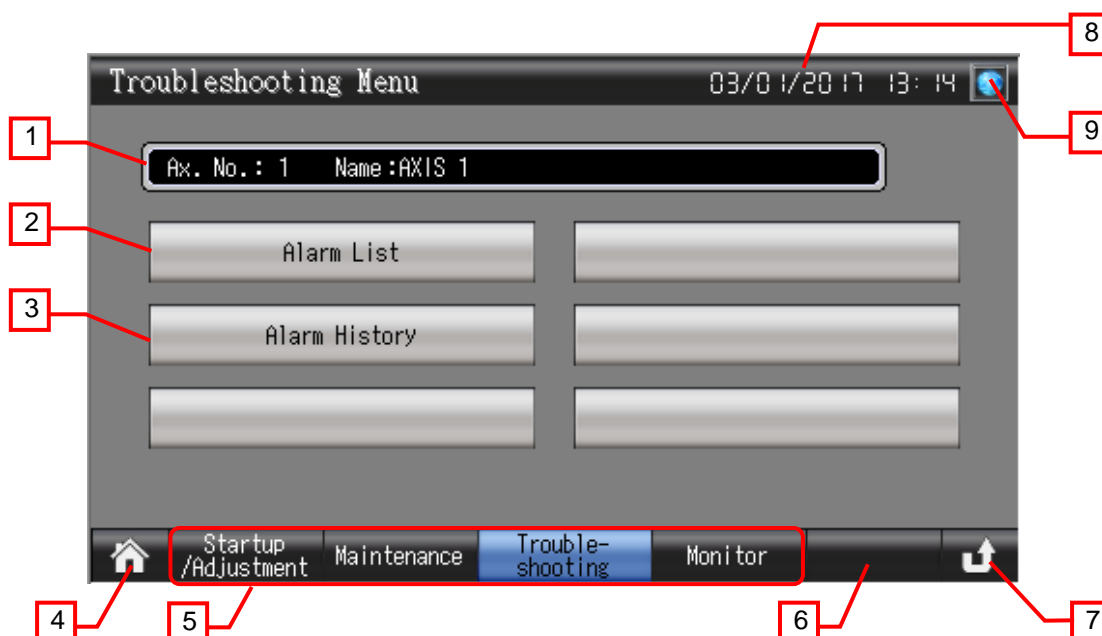
詳細

1. Displays the unit power consumption and unit total power consumption in the historical trend graph. The unit power consumption is shown in a green line and the unit total power consumption in a yellow line. Touch the graph to display the cursor.
2. Displays the end position time of the historical trend graph.
3. 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.
4. Displays the [Power Monitor Status Display] window.
5. Displays the beginning position time of the historical trend graph.
6. 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.
7. Switches to the [Menu] screen.
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

- In Date/Time information in [6], 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".

5.3.40 Troubleshooting Menu (B-30201)



Outline

This screen shows the menu for troubleshooting.

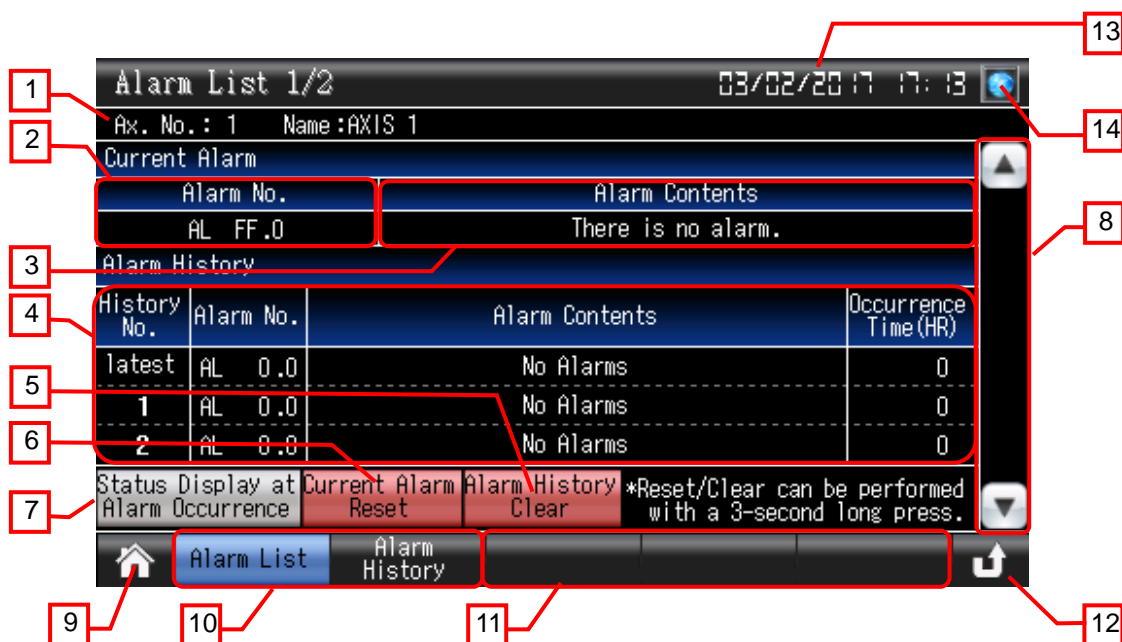
Description

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. Switches to the [Menu] 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".

5.3.41 Alarm List (B-30203 to 30204)



Outline

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

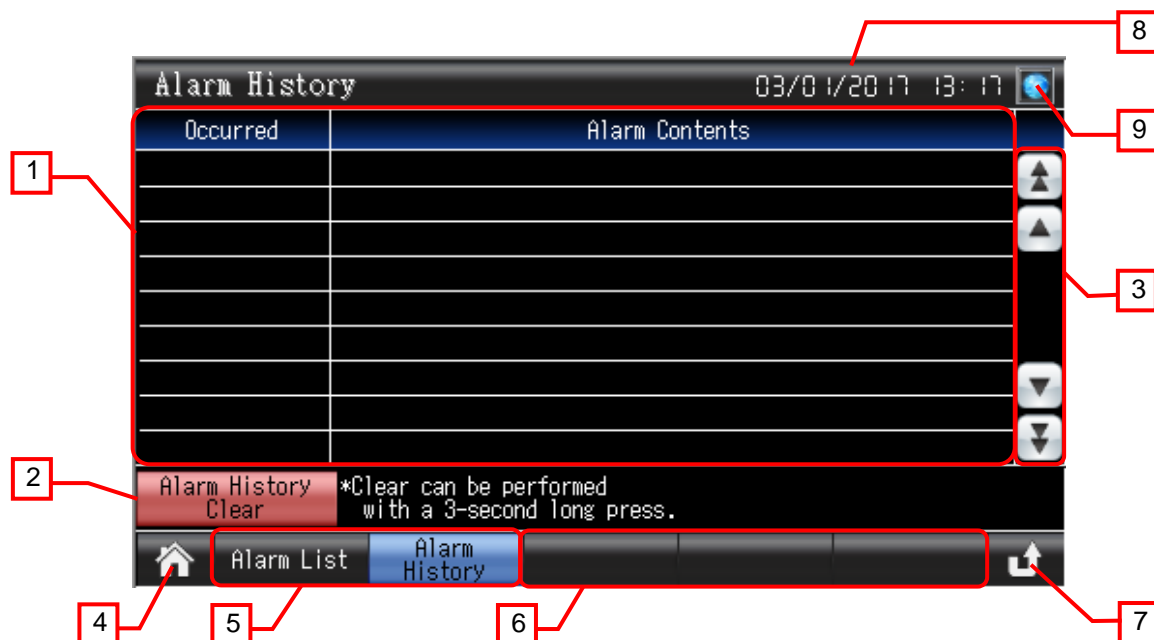
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
2. Displays a number of the alarm that is currently occurring.
3. Displays contents 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. Clears the alarm history with a 3-second long press.
6. Resets the current alarm with a 3-second long press.
7. Displays the [Alarm occurrence status] window.
8. Switches the display items of the alarm list.
9. Switches to the [Menu] screen.
10. Switches between the screens. The blue switch that indicates the currently displayed screen does not switch the screen.
11. Indicates unused switches for base screen switching.
12. Switches to the previously opened screen.
13. Displays the current date and time. Touch the date and time to open the [Clock Setting] window.
14. 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".

5.3.42 Alarm History (B-30205)



Outline

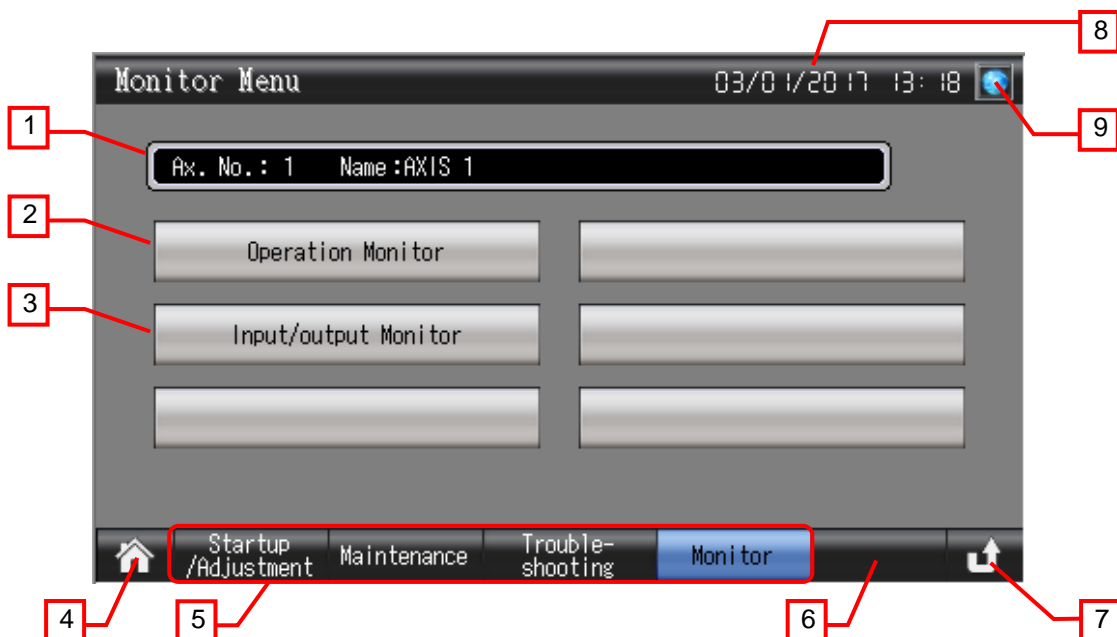
This screen is used to display the alarms of the servo amplifier that are collected with the GOT alarm function.

Description

1. 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.)
2. Deletes all the alarm information with a 3-second long press.
3. Operates the alarm information.
 ▲ ▼ : Scrolls the page up and down.
 ▲ ▼ : Scrolls up and down by row.
4. Switches to the [Menu] 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

5.3.43 Monitor Menu (B-30301)



Outline

This screen shows the menu for monitors.

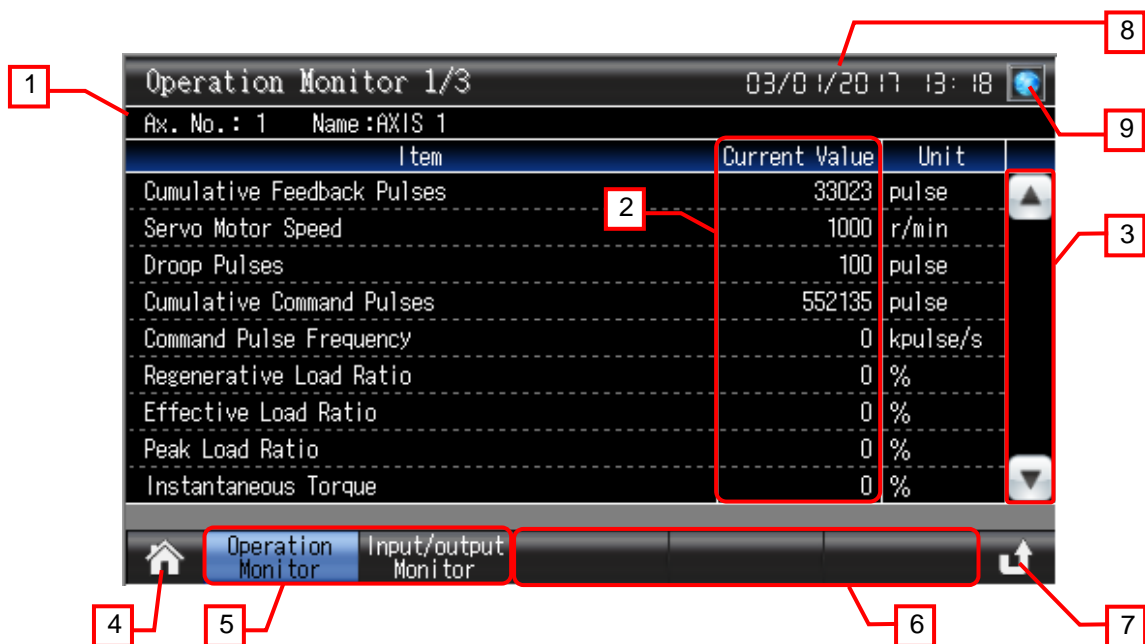
Description

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 to the [Menu] 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".

5.3.44 Operation Monitor (B-30303 to 30305)



Outline

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

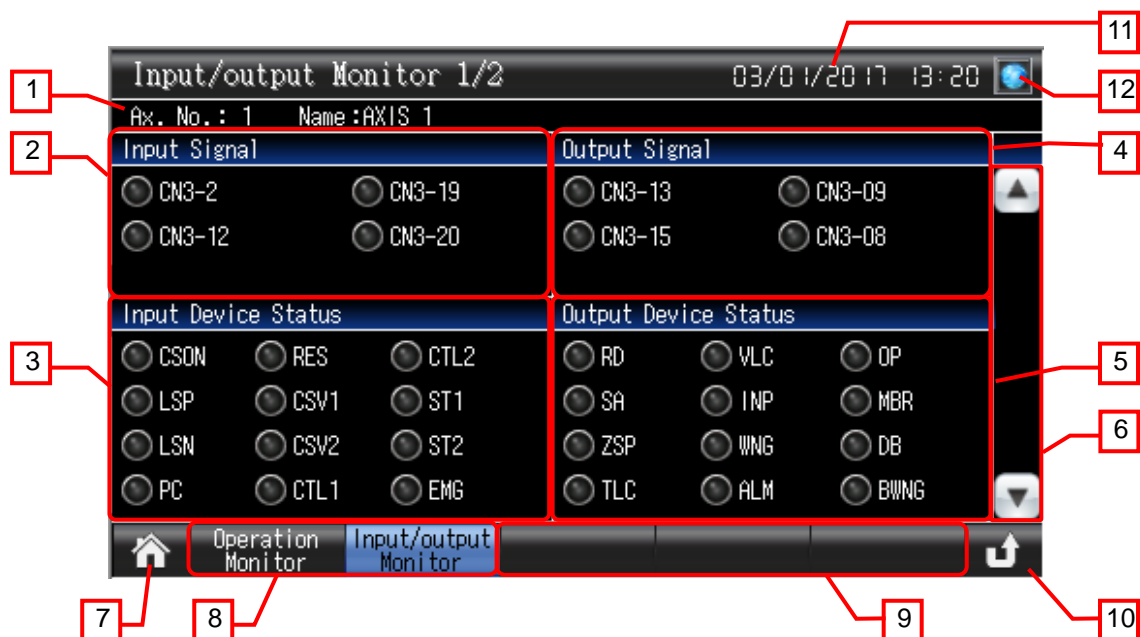
Description

1. Displays the information on a monitoring target axis. Touch here to open the [Axis Selection] window.
1. Displays the current value for the item.
2. Switch the display items of the operation monitor.
3. Switches to the [Menu] 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".

5.3.45 Input/output Monitor (B-30307 to 30308)



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 the display items of the input/output monitor.
7. Switches to the [Menu] screen.
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 read the input/output device. For the detail on the script, please refer to "5.8 Script List".

5.3.46 Language Setting (W-30002)



Outline

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

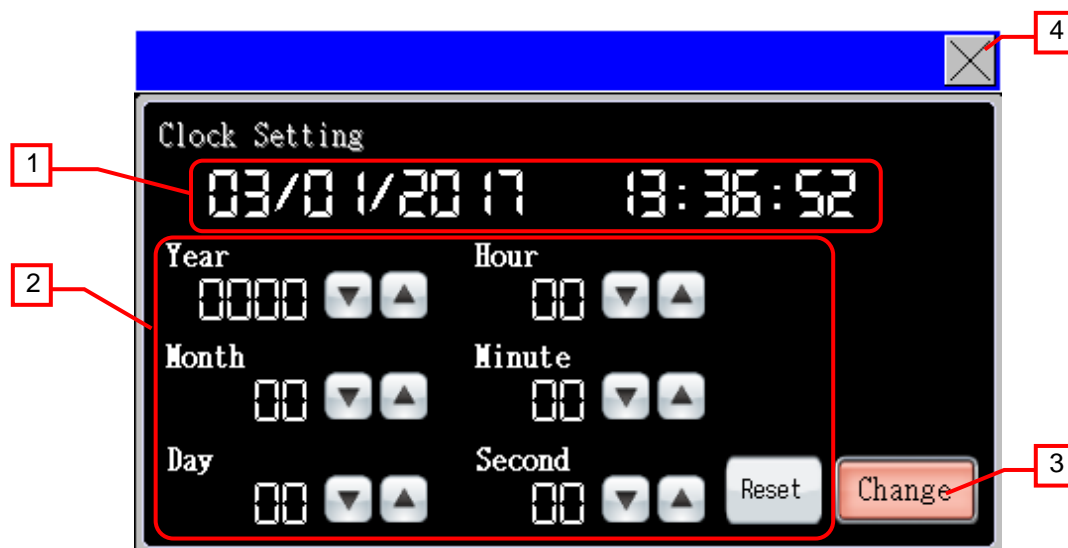
Description

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

Remarks

- The system language will be switched as well as the display language when the language switching is performed.





5.3.47 Clock Setting (W-30003)



Outline

This screen is used to change the GOT clock data.

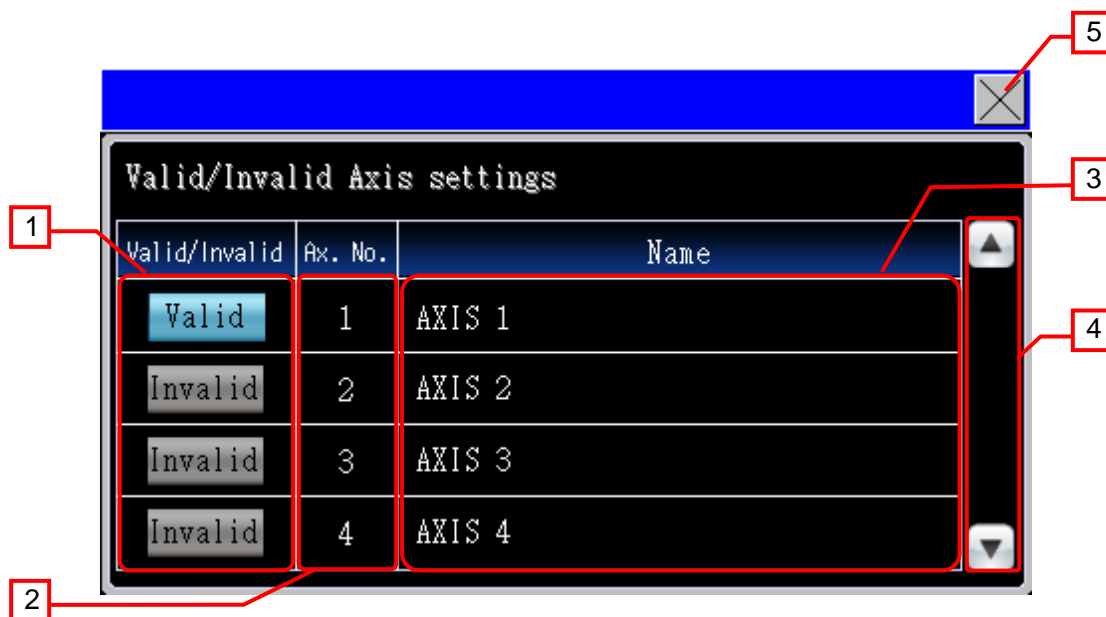
Description

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 project script is used to change the time. For the details on the script, please refer to "5.8 Script List".

5.3.48 Valid/Invalid Axis settings (W-30008)



Outline

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

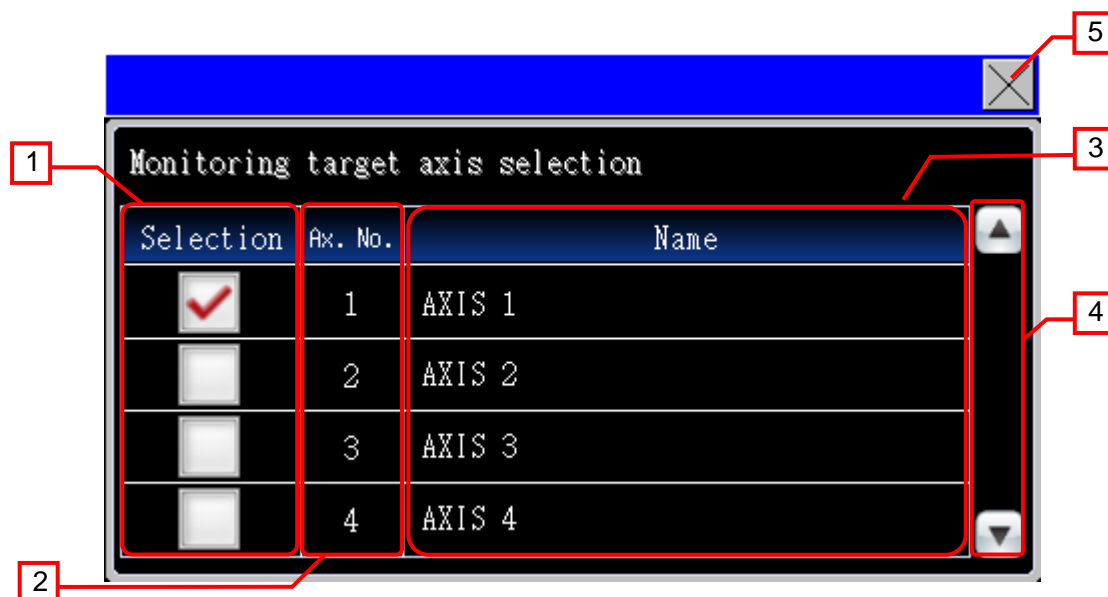
Description

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 4 lines.
5. Closes the window.

Remarks

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

5.3.49 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 4 lines.
5. Closes the windows.

Remarks

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

5.3.50 Alarm Occurrence Status (W-30011 to 30013)

The screenshot shows a window titled 'Alarm Occurrence Status' with a blue header bar. A red box labeled '1' points to the header bar. A red box labeled '2' points to a vertical scrollbar on the right side of the table. A red box labeled '3' points to a close button (X icon) in the top right corner of the window. The table has three columns: 'Item', 'Current Value', and 'Unit'. The data rows are as follows:

Item	Current Value	Unit
Cumulative Feedback Pulses	122543	pulse
Servo Motor Speed	2000	r/min
Droop Pulses	100	pulse
Cumulative Command Pulses	2268583	pulse
Command Pulse Frequency	0	kpulse/s
Regenerative Load Ratio	0	%
Effective Load Ratio	0	%
Peak Load Ratio	0	%

Outline

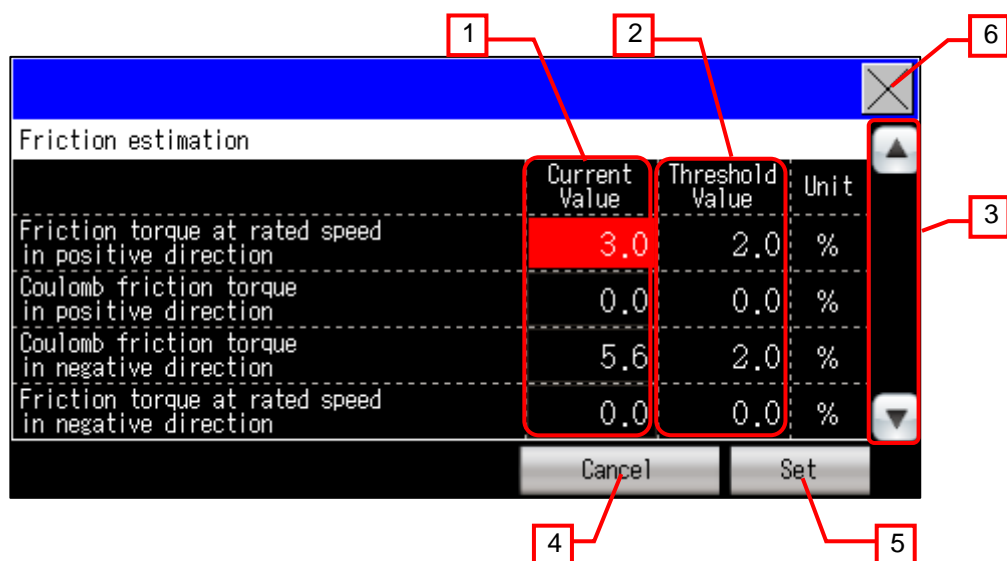
This screen is used to indicate the status in which the alarm has occurred.

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

5.3.51 Threshold Value Setting (W-30015 to 30016)



Outline

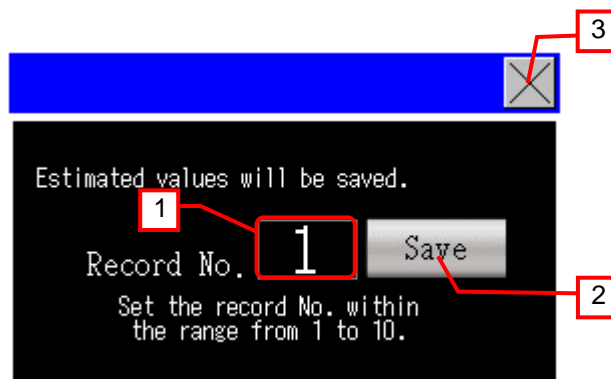
This screen is used to set threshold values for machine diagnosis.

Description

1. Displays the current values.
2. Displays the threshold values. Touch the values to change them.
3. Switches the display items of the threshold value setting.
4. Closes the window screen without saving the threshold values in the recipe.
5. Saves the threshold values in the recipe, and the window screen is closed.
6. Closes the window screen.

Remarks

5.3.52 Estimated Value Saving (W-30017)



Outline

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

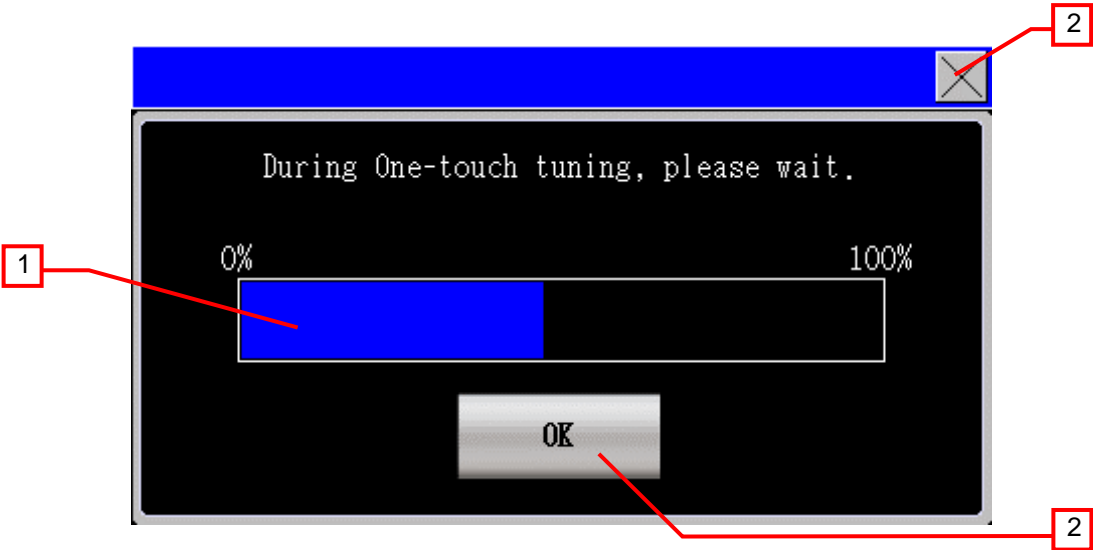
Description

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

- If the [Save] switch is touched before the estimation has been completed, "999" will be displayed as an indefinite value.

5.3.53 One-touch tuning progress (W-30018)



Outline

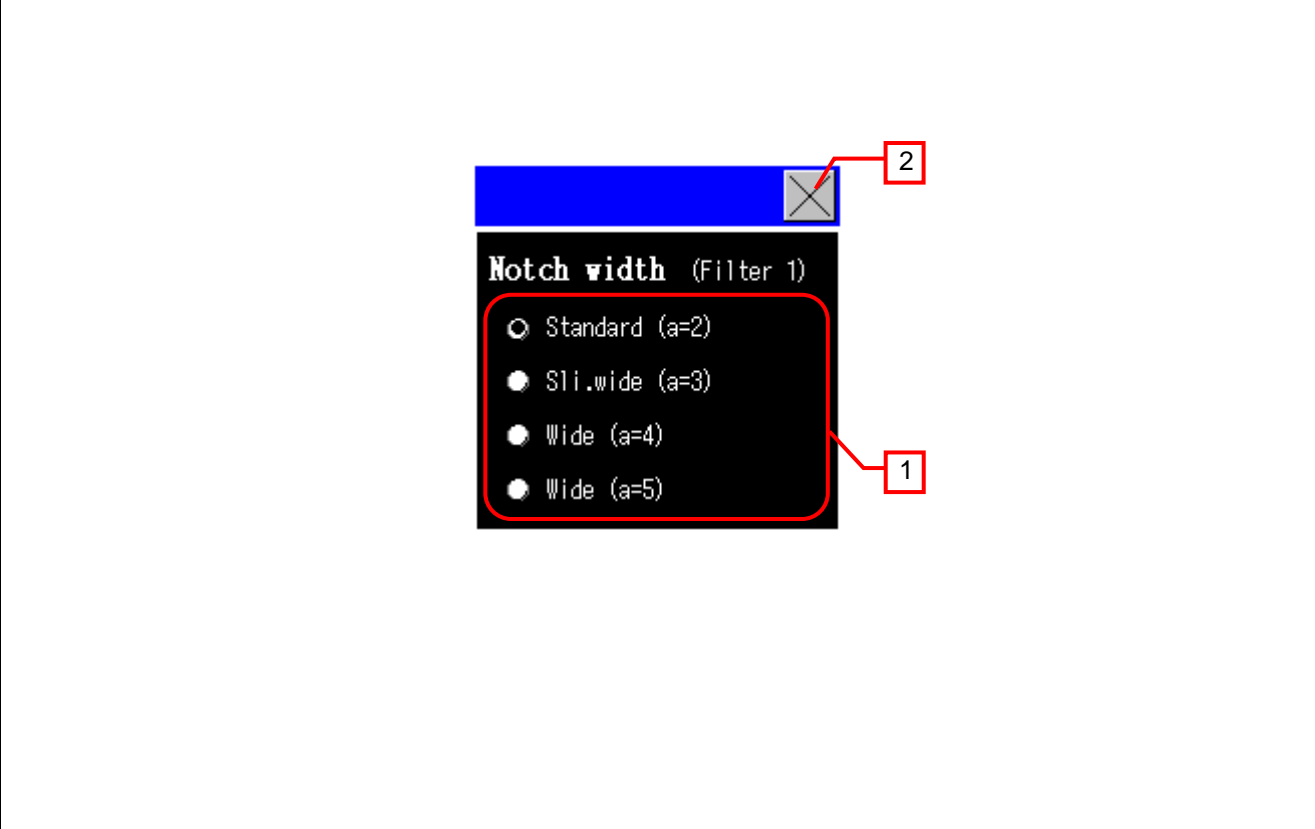
This screen is used to indicate the progress of the one-touch tuning.

Description

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

Remarks

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



Outline

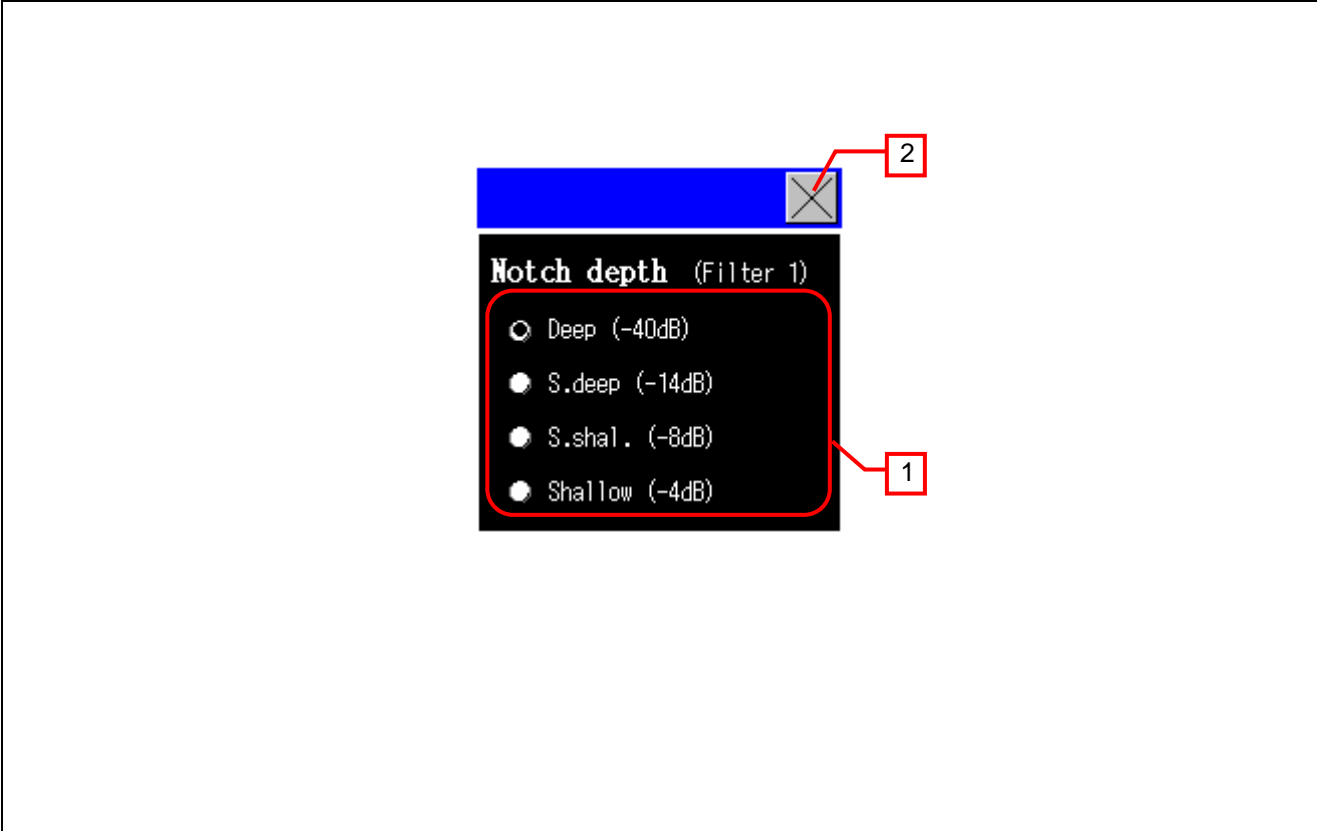
This screen is used to set the notch width for machine resonance suppression filter.

Description

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

Remarks

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



Outline

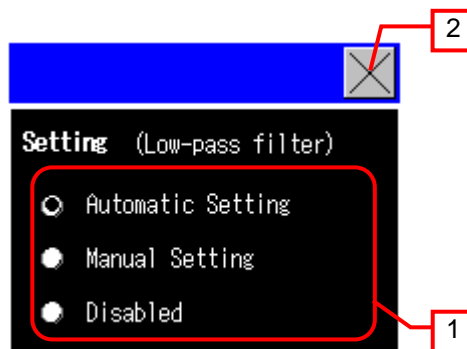
This screen is used to set the notch depth for machine resonance suppression filter.

Description

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

Remarks

5.3.56 Low-pass filter Setting (W-30030)



Outline

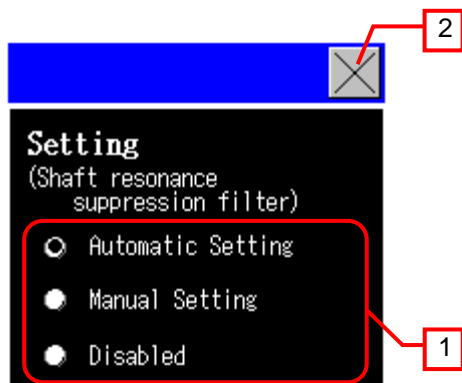
This screen is used to change the low-pass filter setting.

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

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



Outline

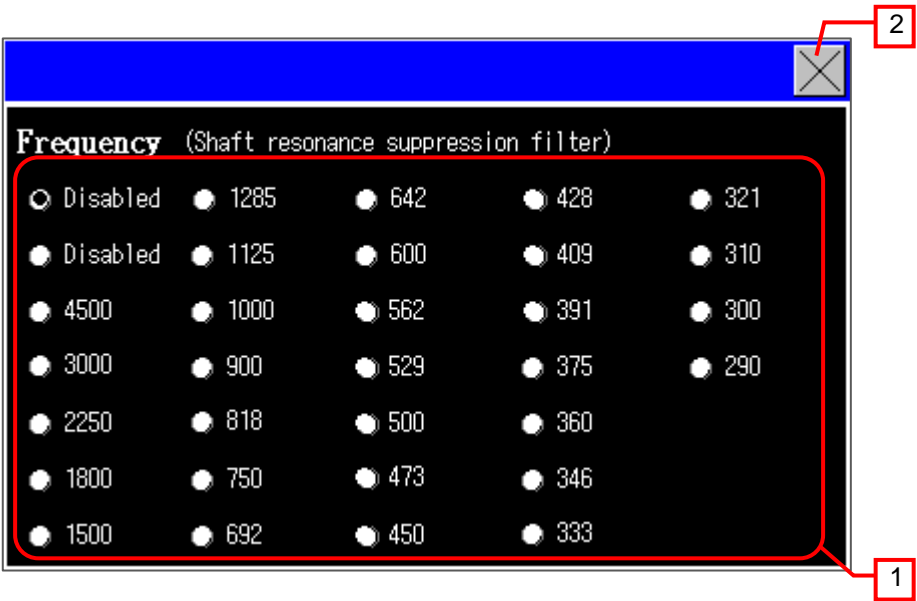
This screen is used to change the shaft resonance suppression filter setting.

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

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



Outline

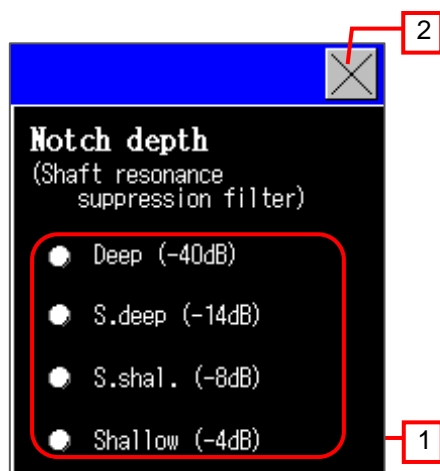
This screen is used to set the frequency of the shaft resonance suppression filter.

Description

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

Remarks

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



Outline

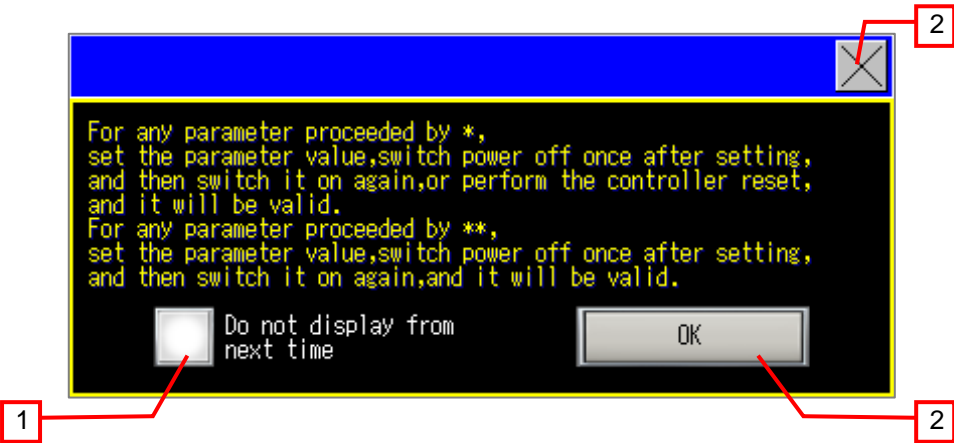
This screen is used to set the notch depth for shaft resonance suppression filter.

Description

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

Remarks

5.3.60 Parameter Setting (ROM) Message (W-30041)



Outline

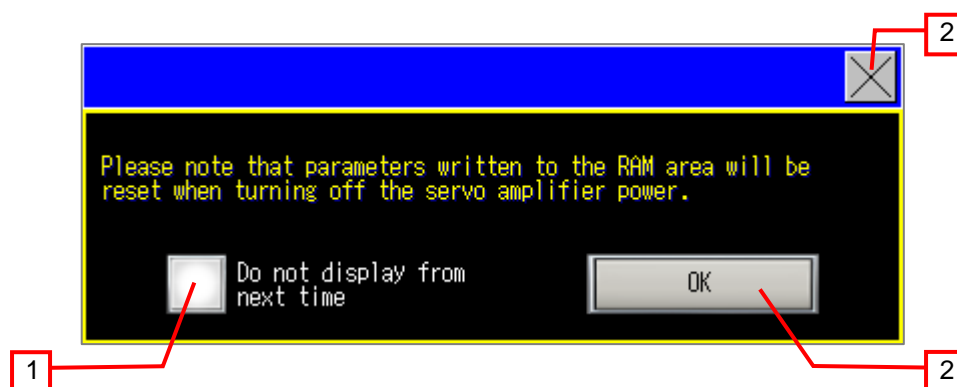
This screen is used to display the message for the parameter setting (ROM).

詳細

1. Display or hide the message.
2. Closes the window screen.

Remarks

5.3.61 Parameter Setting (RAM) Message (W-30071)



Outline

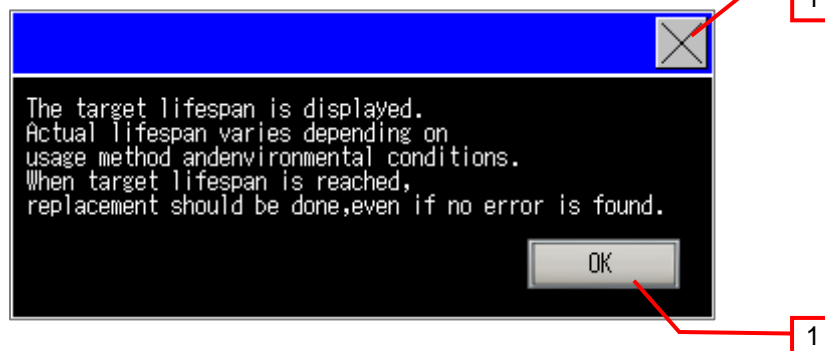
This screen is used to display the message for the parameter setting (RAM).

詳細

1. Display or hide the message.
2. Closes the window screen.

Remarks

5.3.62 Amplifier Life Diagnosis Message (W-30080)



Outline

This screen is used to display the message for the amplifier life diagnosis.

詳細

1. Closes the window screen.

Remarks

5.3.63 Status display (W-30101 to 30105)

Cumulative Feedback Pulses	23255	pulse
Servo Motor Speed	1000	r/min
Droop Pulses	100	pulse
Cumulative Command Pulses	215484	pulse
Command Pulse Frequency	0	kpulse/s

1

Outline

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

Description

- 1. Displays the current value for the item.

Remarks

5.3.64 Machine Diagnosis Graph Status Display (W-30110 to 30112)

Line	Name	Estimated Val.	Cursor Val.
<input checked="" type="checkbox"/>	Friction torque at rated speed in positive direction(%)	2.0	0.0
<input checked="" type="checkbox"/>	Coulomb friction torque in positive direction(%)	0.0	0.0

Outline

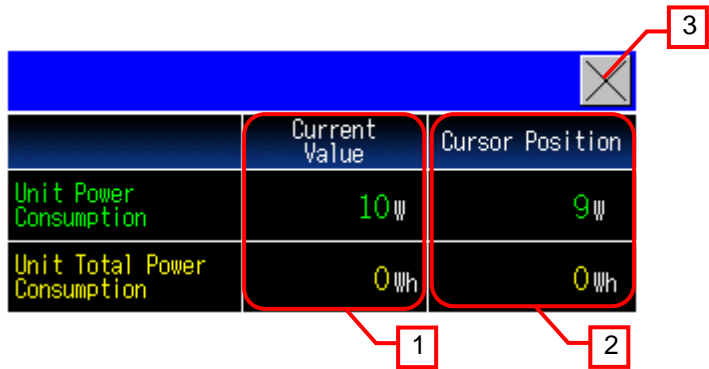
This screen is used to display the status of the machine diagnosis graph.

Description

1. Display or hide the line of the historical trend graph.
2. Shows the estimated value and cursor value of the parameter. The estimated value is displayed after the estimation of the machine diagnosis is completed.
3. Closes the window screen.

Remarks

5.3.65 Power monitor status display (W-30120)



Outline

This screen is used to display the status of the power monitor graph.

Description

1. Displays the current value of the unit power consumption and unit total power consumption.
2. Displays the unit power consumption and unit total power consumption of the position where the cursor is located in the graph.
3. Closes the window screen.

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)
	GB100	One-touch tuning start
	GB110	JOG operation start switch
	GB111	Motor rotation speed Write completion & script trigger
	GB112	Acceleration/deceleration constant Write completion & script trigger
	GB113	Forward rotation switch script trigger
	GB114	Reverse rotation switch script trigger
	GB115	Positioning operation start switch
	GB116	Travel Distance Write completion & script trigger
	GB117	Output signal (DO) forced output start switch
	GB120	Parameter setting (ROM) message display Script trigger
	GB121	Parameter setting (RAM) message display Script trigger
	GB1000 to GB1002	Estimation completed signal
	GB1050 to GB1057	Threshold exceeded signal

Type	Device No.	Application
bit	GB1070	Estimated value Save switch
	GB1071 to GB1073	Estimated value Save completed signal
	GB1100	Estimated value Recipe write trigger
	GB1101	Estimated value Recipe read trigger
	GB1150	Threshold value Recipe write trigger
	GB1151	Threshold value Recipe read trigger
	GB1160 to GB1162	Estimated value Transfer start trigger
	GB1165 to GB1167	Estimated value Device data transfer start flag
	GB1170	Estimated value Recipe save script trigger
	GB1200 to GB1219	Filter setting Input signal
	GB1220 to GB1222	Vibration suppression control Input signal
	GB1250	Filter setting,Vibration suppression control Input completed signal
	GB1300	Recipe 3 write trigger device
	GB1301	Recipe 3 read trigger device
	GB1400 to GB1401	Filter setting Screen switching control bit
	GB1519	Scroll up Script trigger
	GB1520	Scroll down Script trigger
	GB1521 to GB1584	Valid/invalid axis setting screen for bit lamp
	GB1620 to GB1627	Valid/invalid axis setting screen for bit lamp trigger
	GB1629 to GB1692	Axis Selectionstate bit
	GB1694	Valid/invalid axis screen startup flat
	GB1695	Axis No. selection screen startup flag
	GB1696	Axis No. selection screen scroll up script trigger
	GB1697	Axis No. selection screen scroll down script trigger
	GB1698	Process while Axis No.selected Script trigger
	GB1699	Recipe 3 save start flag
	GB1701	User alarm observation Buffering data clear trigger device
	GB1800	Present time setting Script trigger
	GB1900 to GB1907	Historical trend graph Graph line clear device
	GB1910 to GB1912	Estimate completion signal For logging
	GB2001	Clock setting Script trigger
	GD1110.b0	Recipe-shared Write-in-progress signal
	GD1110.b1	Recipe-shared Read-in-progress signal
	GD1140.b0 to GD1140.b4	Gain adjustment input permission bit
	GD1351.b0 to GD1351.b3	Output signal (DO) forced output Touch switch & script trigger
	GD1450.b0	Device data transfer Estimation transfer 1 Trigger device
	GD1451.b0	Device data transfer Estimation transfer 1 Transfer-in-progress signal
	GD1452.b0	Device data transfer Estimation transfer 2 Trigger device
	GD1453.b0	Device data transfer Estimation transfer 2 Transfer-in-progress signal
	GD1454.b0	Device data transfer Estimation transfer 3 Trigger device
	GD1455.b0	Device data transfer Estimation transfer 3 Transfer-in-progress signal
	GD1551.b0 to b3	Filter 1 Setting Substitution device
	GD1553.b4 to b7	Filter 1 Notch depth Substitution device
	GD1553.b8 to b11	Filter 1 Notch width Substitution device
	GD1555.b0	Filter 2 Setting Touch switch
	GD1556.b0 to b3	Filter 2 Setting Substitution device
	GD1556.b4 to b7	Filter 2 Notch depth Substitution device
	GD1556.b8 to b11	Filter 2 Notch width Substitution device
	GD1559.b0	Filter 3 Setting Touch switch
	GD1560.b0 to b3	Filter 3 Setting Substitution device
	GD1560.b4 to b7	Filter 3 Notch depth Substitution device
	GD1560.b8 to b11	Filter 3 Notch width Substitution device
	GD1563.b0	Filter 4 Setting Touch switch
	GD1564.b0 to b3	Filter 4 Setting Substitution device
	GD1564.b4 to b7	Filter 4 Notch depth Substitution device
	GD1564.b8 to b11	Filter 4 Notch width Substitution device
	GD1567.b0	Filter 5 Setting Touch switch
	GD1568.b0 to b3	Filter 5 Setting Substitution device
	GD1568.b4 to b7	Filter 5 Notch depth Substitution device

Type	Device No.	Application
Bit	GD1568.b8 to b11	Filter 5 Notch width Substitution device
	GD1572.b4 to b7	Low-pass filter Setting Substitution device
	GD1574.b0 to b3	Shaft resonance suppression filter Setting Substitution device
	GD1576.b0 to b7	Shaft resonance suppression filter Frequency Substitution device
	GD1576.b8 to b11	Shaft resonance suppression filter Notch depth Substitution device
	GD1578.b0	Robust filter Setting Touch switch
	GD1579.b0 to b3	Robust filter Setting Substitution device
	GD1609.b0, GD1616.b0	Shaft resonance suppression filter Input permission bit
	GD1612.b0, GD1619.b0	Filter 5 Input permission bit
	GD1621.b0 to b3	Vibration suppression control mode selection Substitution device
	GD1623.b0 to b3	Control setting 1 Substitution device
	GD1623.b4 to b7	Control setting 2 Substitution device
	GD1625.b0, GD1627.b1	Control setting 2 Input permission bit
	GD1626.b1	Control setting 1 Input permission bit
	GS512.b0	Time change signal
Word	GD100	Base screen switching
	GD101	Overlap window 1 screen switching
	GD104	Overlap window 2 screen switching
	GD116	Superimpose window 1 screen switching
	GD121	Language switching
	GD122	System language switching
	GD200 to GD215	Servo axis switching device
	GD300 to GD939	Axes name
	GD940	Axis name offset value
	GD941	Valid/invalid bit lamp offset
	GD942	Valid/invalid Name offset
	GD943	Axis No. switching switch
	GD1060 to GD1065	Digital switch for clock
	GD1100	Estimated value Recipe record No.
	GD1110	Recipe common setting
	GD1130	Response mode selection
	GD1140	Gain adjustment mode selection
	GD1201	Motor speed Numerical input
	GD1203	Acceleration/Deceleration time constant Numerical input
	GD1205	Travel distance Numerical input
	GD1351	Forced output device
	GD1352	Forced output status comparison device
	GD1400 to GD1414	Threshold value
	GD1420 to GD1434	Estimated value Storage device
	GD1450 to GD1451	Device data transfer Estimation transfer 1
	GD1452 to GD1453	Device data transfer Estimation transfer 2
	GD1454 to GD1455	Device data transfer Estimation transfer 3
	GD1500 to GD1507	Monitor display device for input device
	GD1510 to GD1523	Monitor display device for output device
	GD1531 to GD1534	Valid/Invalid axis setting information
	GD1550 to GD1579	Device for filter setting
	GD1600 to GD1619	Monitor display device for filter setting
	GD1620 to GD1624	Device for vibration suppression control setting
	GD1625 to GD1627	Monitor display device for vibration suppression control setting
	GD1700	User alarm observation Alarm information storage device
	GD1802 to GD1805	Historical trend graph Graph information (B-30111)
	GD1806 to GD1809	Historical trend graph Cursor position time (B-30111)
	GD1820 to GD1823	Historical trend graph Beginning position time (B-30111)
	GD1824 to GD1827	Historical trend graph End position time (B-30111)
	GD1840 to GD1842	Historical trend graph Display position time specification (B-30111)
	GD1900 to GD1903	Historical trend graph Beginning position time (B-30107 to 30109)
	GD1904 to GD1907	Historical trend graph End position time (B-30107 to 30109)
	GD1908 to GD1911	Historical trend graph Cursor position time (B-30107 to 30109)
	GD1915 to GD1930	Historical trend graph Graph information (B-30107 to 30109)

Type	Device No.	Application
Word	GS513 to GS516	Changed time
	GS650 to GS652	Current time
	TMP70 to TMP202	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 to 30204
500	No.1	B-30001 to 30308
	No.2 to 3	B-30001
	No.4 to 6	B-30011
	No.7 to 8	B-30301
	No.9	B-30001
	No.10 to 11	B-30011
	No.12 to 13	B-30101
	No.14	B-30201
	No.16 to 18	B-30031
	No.19 to 25	B-30041
	No.26 to 32	B-30071
	No.34	B-30001
	No.36	B-30011
	No.37 to 39	B-30012 to 30025, B-B-30031, B-30041, B-30071
	No.40 to 41	B-30303 to 30305, B-30307 to 30308
	No.43 to 44	B-30012 to 30025, B-30031, B-30041, B-30071
	No.45 to 46	B-30103, B-30105 to 30107, B-30109, B-30111, B-30113
	No.47	B-30203 to 30205
	No.49 to 51	B-30033, B-30035, B-30037
	No.52	B-30043 to 30060
	No.53	B-30043 to 30060, B-30073 to 30090
	No.54 to 55	B-30043 to 30060
	No.56 to 57	B-30062 to 30069
	No.58	B-30062 to 30069, B-30092 to 30099
	No.59	B-30073 to 30090
	No.61 to 62	B-30073 to 30090
	No.63 to 65	B-30092 to 30099
	No.67	B-30011, B-30101, B-30201, B-30301
	No.71	B-30041, B-30071
	No.72	B-30301
	No.73	B-30011
	No.74	B-30041
	No.75	B-30071
	No.76	B-30031
	No.77	B-30101
	No.78	B-30201
	No.79	W-30009
	No.80 to 81	B-30043 to 30069, B-30073 to 30099
	No.82	B-30043 to 30069, B-30073 to 30099, W-30008 to 30009
	No.83	W-30011 to 30013
	No.84	B-30043 to 30069, B-30073 to 30099
	No.85	B-30303 to 30305, W-30011 to 30013
	No.86	B-30043 to 30069, B-30073 to 30099, W-30303 to 30305, W-30011 to 30013
	No.87	B-30012, B-30047, B-30050, B-30077, B-30080, B-30304
	No.88	B-30305, B-30013, W-30105
	NO.89	W-30008
	No.90	B-30073 to 30099
	No.91	B-30043 to 30069
	No.92	W-30041
	No.93	W-30071
	No.94	W-30008, B-
	No.95	W-30008, B-30009

Comment Group No.	Comment No.	Base/Window screen No.
500	No.96	B-30012 to 30025 , B-30033 to B-30037, B-30043 to 30069, B-30073 to 30099, B-30103, B-30105 to 30106, B-30203 to 30204, B-30303 to 30305, B-30307 to 30308
	No.97	W-30009
	No.98 to 99	W-30008
	No.100	B-30303
	No.101	B-30304
	No.102 to 106	W-30011, B-30101
	No.109 to 113	W-30011, B-30012, B-30101
	No.114 to 118	W-30012, B-30103
	No.119 to 123	W-30012, B-30013, B-30104
	No.124 to 126	W-30013, B-30105
	No.129	B-30305
	No.130	B-30024
	No.131	B-30025
	No.132	B-30012
	No.133	B-30013
	No.134	B-30014
	No.150 to 152	B-30307
	No.153 to 155	B-30308
	No.250	B-30012 to 30014
	No.251 to 261	B-30012
	No.262 to 266	B-30013
	No.267 to 273	B-30014
	No.300	B-30015 to 30020
	No.301	B-30015
	No.302	B-30020
	No.303 to 304	B-30020, W-30030 to 30031
	No.305	W-30030 to 30031
	No.306	B-30015
	No.307 to 308	B-30015 to 30019, W-30020, B-30022, B-30024, B-30026, B-30028
	No.309	B-30015 to 30020, W-30021, B-30023, B-30025, B-30027, B-30029
	No.310	B-30020, W-30030 to 30032
	No.311	B-30016 to 30019
	No.312 to 314	W-30020, B-30022, B-30024, B-30026, B-30028
	No.315	B-30015 to 30019, W-30020, B-30022, B-30024, B-30026, B-30028
	No.316 to 318	W-30021, B-30023, B-30025, B-30027, B-30029
	No.319	B-30015 to 30019, B-30021, B-30023, B-30025, B-30027, B-30029
	No.320	B-30015 to 30019, W-30032
	No.321	B-30015
	No.322	B-30016
	No.323	B-30017
	No.324	B-30018
	No.325	B-30019
	No.328	B-30015
	No.329	B-300105 to 30019
	No.330 to 334	B-30020
	No.336	B-30019
	No.337	B-30020
	No.338	W-30020, B-30021
	No.339	W-30022, B-30023
	No.340	W-30024, B-30025
	No.341	W-30026, B-30027
	No.342	W-30028, B-30029
	No.343	W-30030
	No.344	W-30031

Comment Group No.	Comment No.	Base/Window screen No.
500	No.345	B-30016
	No.346	B-30017
	No.347	B-30018
	No.348	B-30019
	No.349	W-30031
	No.350	B30021
	No.351 to 352	B-30021 to 30023
	No.353	B-30021
	No.356	B-30022
	No.357	B-30023
	No.358	B-30022 to 30023
	No.359	B-30022
	No.360 to 364	B-30022 to 30023
	No.365 to 369	B-30021
	No.373 to 375	B-30021
	No.376	B-30022
	No.377	B-30023
	No.401 to 411	B-30024
	No.412 to 416	B-30025
	No.450 to 456	B-30105
	No.458 to 459	B-30105
	No.460 to 468	B-30106
	No.500 to 510	B-30103
	No.511	W-30080
	No.551 to 559	B-30203, B-30204
	No.604 to 612	B-30043, B-30073
	No.613 to 621	B-30044, B-30074
	No.622 to 623	B-30045, B-30075
	No.624	B-30043
	No.625	B-30044
	No.626	B-30045
	No.627	B-30073
	No.628	B-30074
	No.629	B-30075
	No.656 to 663	B-30047, B-30077
	No.664 to 672	B-30048, B-30078
	No.673 to 680	B-30049, B-30079
	No.681 to 688	B-30050, B-30080
	No.689 to 696	B-30051, B-30081
	No.697 to 703	B-30052, B-30082
	No.704 to 706	B-30053, B-30083
	No.707	B-30047
	No.708	B-30048
	No.709	B-30049
	No.710	B-30050
	No.711	B-30051
	No.712	B-30052
	No.713	B-30053
	No.714	B-30077
	No.715	B-30078
	No.716	B-30079
	No.717	B-30080
	No.718	B-30081
	No.719	B-30082
	No.720	B-30083
	No.754 to 762	B-30055, B-30085
	No.763 to 770	B-30056, B-30086
	No.771 to 777	B-30057, B-30087
	No.778	B-30055
	No.779	B-30056

Comment Group No.	Comment No.	Base/Window screen No.
500	No.780	B-30057
	No.781	B-30085
	No.782	B-30086
	No.783	B-30087
	No.852 to 860	B-30059, B-30089
	No.861 to 866	B-30060, B-30090
	No.867	B-30059
	No.868	B-30060
	No.869	B-30089
	No.870	B-30090
	No.902 to 908	B-30062, B-30092
	No.909 to 915	B-30063, B-30093
	No.916 to 919	B-30064, B-30094
	No.920	B-30062
	No.921	B-30063
	No.922	B-30064
	No.923	B-30092
	No.924	B-30093
	No.925	B-30094
	No.952 to 957	B-30065, B-30095
	No.958 to 960	B-30066, B-30096
	No.961 to 962	B-30068, B-30095
	No.963	B-30065
	No.964	B-30066
	No.965	B-30095
	No.966	B-30096
	No.1002 to 1008	B-30068, B-30098
	No.1009 to 1012	B-30069, B-30099
	No.1013	B-30068
	No.1014	B-30069
	No.1015	B-30098
	No.1016	B-30099
	No.1050 to 1055	B-30033
	No.1100 to 1107	B-30035
	No.1150 to 1151	B-30037
	No.1211	W-30002
	No.1251	W-30003
	No.1253 to 1260	W-30003
	No.1351 to 1353	W-30018
	No.1400 to 1407	W-30015
	No.1408 to 1414	W-30016
	No.1451 to 1454	W-30017
	No.1500 to 1529	W-30032
	No.1550 to 1558	B-30107, B-30109, B-30111, B-30113
	No.1561	B-30113
	No.1562 to 1564	W-30120
	No.1566	B-30113
	No.1600 to 1601	W-30110
	No.1602 to 1603	W-30111
	No.1604 to 1607	W-30112
	No.1608 to 1609	W-30107, B-30109, B-30111, B-30113
	No.1610 to 1613	W-30110, B-30111, B-30112
	No.1614 to 1616	W-30107, B-30109, B-30111
	No.1617	W-30107, B-30109, B-30111, B-30113

5.6 Recipe List

5.6.1 Common setting

External notification information	
External notification device	GD1110
Recipe No. notification device	GD1111
Record No. notification device	GD1112

5.6.2 Individual setting

Recipe No.30001 Recipe1

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	GB1150 ON
	Read trigger 1	GB1151 ON
	Record No. device	None
Block number		8
Record number		1
Block 1	Device	GD1402
	Device type	Signed BIN16
	Point	1
Block 2	Device	GD1400
	Device type	Signed BIN16
	Point	1
Block 3	Device	GD1404
	Device type	Signed BIN16
	Point	1
Block 4	Device	GD1406
	Device type	Signed BIN16
	Point	1
Block 5	Device	GD1408
	Device type	Signed BIN16
	Point	1

Item		Settings
Block 6	Device	GD1410
	Device type	Unsigned BIN16
	Point	1
Block 7	Device	GD1412
	Device type	Signed BIN16
	Point	1
Block 8	Device	GD1414
	Device type	Unsigned BIN16
	Point	1

Recipe No.30002 Recipe2

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	GB1100 ON
	Read trigger 1	GB1101 ON
	Record No. device	GD1100
Block number		9
Record number		10
Block 1	Device	GD200
	Device type	Signed BIN16
	Point	1
Block 2	Device	GD1422
	Device type	Signed BIN16
	Point	1
Block 3	Device	GD1420
	Device type	Signed BIN16
	Point	1
Block 44	Device	GD1424
	Device type	Signed BIN16
	Point	1

Item		Settings
Block 5	Device	GD1426
	Device type	Signed BIN16
	Point	1
Block 6	Device	GD1428
	Device type	Signed BIN16
	Point	1
Block 7	Device	GD1430
	Device type	Unsigned BIN16
	Point	1
Block 8	Device	GD1432
	Device type	Signed BIN16
	Point	1
Block 9	Device	GD1434
	Device type	Unsigned BIN16
	Point	1

Recipe No.30003 Recipe3

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	GB1300
	Read trigger 1	GB1301
	Record No. device	None
Block number		33
Record number		1
Block 1	Device	GD1531
	Device type	Unsigned BIN16
	Point	4
Block 2	Device	GD300
	Device type	Text
	Point	20

Item		Settings
Block3	Device	GD320
	Device type	Text
	Point	20
Block4	Device	GD340
	Device type	Text
	Point	20
Block5	Device	GD360
	Device type	Text
	Point	20
Block6	Device	GD380
	Device type	Text
	Point	20
Block7	Device	GD400
	Device type	Text
	Point	20
Block8	Device	GD420
	Device type	Text
	Point	20
Block9	Device	GD440
	Device type	Text
	Point	20
Block10	Device	GD460
	Device type	Text
	Point	20
Block11	Device	GD480
	Device type	Text
	Point	20
Block12	Device	GD500
	Device type	Text
	Point	20
Block13	Device	GD520
	Device type	Text
	Point	20

Item		Settings
Block14	Device	GD540
	Device type	Text
	Point	20
Block15	Device	GD560
	Device type	Text
	Point	20
Block16	Device	GD580
	Device type	Text
	Point	20
Block17	Device	GD600
	Device type	Text
	Point	20
Block18	Device	GD620
	Device type	Text
	Point	20
Block19	Device	GD640
	Device type	Text
	Point	20
Block20	Device	GD660
	Device type	Text
	Point	20
Block21	Device	GD680
	Device type	Text
	Point	20
Block22	Device	GD700
	Device type	Text
	Point	20
Block23	Device	GD720
	Device type	Text
	Point	20
Block24	Device	GD740
	Device type	Text
	Point	20

Item		Settings
Block25	Device	GD760
	Device type	Text
	Point	20
Block26	Device	GD780
	Device type	Text
	Point	20
Block27	Device	GD800
	Device type	Text
	Point	20
Block28	Device	GD820
	Device type	Text
	Point	20
Block29	Device	GD840
	Device type	Text
	Point	20
Block30	Device	GD860
	Device type	Text
	Point	20
Block31	Device	GD880
	Device type	Text
	Point	20
Block32	Device	GD900
	Device type	Text
	Point	20
Block33	Device	GD920
	Device type	Text
	Point	20

5.7 Device Data Transfer List

ID:1 Estimation Transfer 1

Item		Settings
Device data transfer trigger	Trigger type	Rise
	External control device	GD1450
	Trigger device	GD1450.b0
	Transfer inverting flag device	GD1450.b1
External notification information	<input checked="" type="checkbox"/> External notification device	GD1451
	Device Data Transfer notification Signal	GD1451.b0
	BCD conversion error notification signal	GD1451.b14
	Device data transfer error notification signal	GD1451.b15
Device	Block number	2
Block 1	Device type	Signed BIN16
	Point	1
	Source Device	U01-A100-MD3
	Destination Device	GD1420
	Offset	None
Block 2	Device type	Signed BIN16
	Point	1
	Source Device	U01-A100-MD4
	Destination Device	GD1422
	Offset	None

ID:2 Estimation Transfer 2

Item		Settings
Device data transfer trigger	Trigger type	Rise
	External control device	GD1452
	Trigger device	GD1452.b0
	Transfer inverting flag device	GD1452.b1
External notification information	<input checked="" type="checkbox"/> External notification device	GD1453
	Device Data Transfer notification Signal	GD1453.b0
	BCD conversion error notification signal	GD1453.b14
	Device data transfer error notification signal	GD1453.b15
Device	Block number	2

Item		Settings
Block 1	Device type	Signed BIN16
	Point	1
	Source Device	U01-A100-MD5
	Destination Device	GD1424
	Offset	None
Block 2	Device type	Signed BIN16
	Point	1
	Source Device	U01-A100-MD6
	Destination Device	GD1426
	Offset	None

ID:3 Estimation Transfer 3

Item		Settings
Device data transfer trigger	Trigger type	Rise
	External control device	GD1454
	Trigger device	GD1454.b0
	Transfer inverting flag device	GD1454.b1
External notification information	<input checked="" type="checkbox"/> External notification device	GD1455
	Device Data Transfer notification Signal	GD1455.b0
	BCD conversion error notification signal	GD1455.b14
	Device data transfer error notification signal	GD1455.b15
Device	Block number	4
Block 1	Device type	Signed BIN16
	Point	1
	Source Device	U01-A100-MD9
	Destination Device	GD1428
	Offset	None
Block 2	Device type	Unsigned BIN16
	Point	1
	Source Device	U01-A100-MD10
	Destination Device	GD1430
	Offset	None

Item		Settings
Block 3	Device type	Signed BIN16
	Point	1
	Source Device	U01-A100-MD7
	Destination Device	GD1432
	Offset	None
Block 4	Device type	Unsigned BIN16
	Point	1
	Source Device	U01-A100-MD8
	Destination Device	GD1434
	Offset	None

5.8 Script List

Item	Settings
Project script	Specified
Screen script	B-30001, B-30012 to 30014, B-30015 to 30020, B-30021 to 30023, B-30024 B-30033 to 30037, B-30041, B-30071, B-30105 to 30106, B-30113, B-30307 to 30308

5.8.1 Project script

Script No.	30001	Script name.	Script30001
Comment	Initial setting		
Date type	Signed BIN16	Trigger type	Rise GB40
[w:GD1130] = 2; //One-touch tuning initial selection (basic mode)			
[w:GD1100] =1; //Machine diagnosis estimated value record No. setting			
[w:GD200] = 1; // Aixs No. initial value			
[w:GD940] = 0; // Initial axis name offset value			
set([b:GB1300]); // Write recipe			
Script No.	30020	Script name.	Script30020
Comment	Turn OFF the RecipeWriteTrigger.		
Date type	Signed BIN16	Trigger type	ON GB1300
if ([b:GD1110.b0] == ON) { //While writing the record. rst([b:GB1300]); //Reset trigger device for recipe write.			
Script No.	30025	Script name.	Script30025
Comment	When Axis No.SelectScreen Opened		
Date type	Signed BIN16	Trigger type	Rise GB1695
//Reflect each setting when Axis No. window is opened			
[w:GD941] = ((([w:GD200] - 1) >> 3) * 4; //Bit lamp offset			
[w:GD942] = ((([w:GD200] - 1) >> 3) * 80; //Name offset			
//Turn ON internal devices (GB1521...) according to validated axis number.			
[u32:TMP200] = [u32:GD1531] ;			
[u32:TMP201] = [u32:GD1533] ;			
[w:TMP0202] = 0;			
while([w:TMP202] < 32)			
{			
if((([u32:TMP200] & 0x00000001) == 1)			
{			
set([b:GB1521[w:TMP202]]);			
}			
[u32:TMP200] = [u32:TMP200] >> 1;			
[w:TMP202] = [w:TMP202] + 1;			
}			
while([w:TMP202] < 64)			
{			
if((([u32:TMP201] & 0x00000001) == 1)			
{			
set([b:GB1521[w:TMP0202]]);			
}			
[u32:TMP201] = [u32:TMP201] >> 1;			
[w:TMP202] = [w:TMP202] + 1;			
}			
//Turn ON bit lamp in the axis number selection window			
[w:TMP203] = [w:GD200] - 1;			
set([b:GB1629[w:TMP203]]);			

```
//Turn OFF trigger with displayed and validated axis number.
```

```
//OFF=Available ON=Not available
```

```
[w:TMP200] = [w:GD941];
```

```
[w:TMP201] = 0;
```

```
while([w:TMP201] < 4)
```

```
{
```

```
    if([b:GB1521[w:TMP200]] == OFF)
```

```
    {
```

```
        rst([b:GB1620[w:TMP201]]); //Trigger OFF
```

```
    }else{
```

```
        set([b:GB1620[w:TMP201]]); //Trigger ON
```

```
    }
```

```
    [w:TMP200] = [w:TMP200] + 1;
```

```
    [w:TMP201] = [w:TMP201] + 1;
```

```
}
```

```
rst([b:GB1695]);
```

Script No.	30026	Script name.	Script30026
Comment	Process while AxisNo.selected		
Date type	Signed BIN16	Trigger type	ON GB1698

```
//Switch Axis No.
```

```
//Configure necessary settings when switching axis No.
```

```
[w:TMP200] = [w:GD943] + [w:GD941]; //Calculate the selected axis number
```

```
[w:TMP201] = 0;
```

```
//Turn bit ON according to the selected axis number
```

```
while([w:TMP201] < 32)
```

```
{
```

```
    if(([w:TMP201] + 1) == [w:TMP200])
```

```
    {
```

```
        set([b:GB1629[w:TMP201]]);
```

```
    }else{
```

```
        rst([b:GB1629[w:TMP201]]);
```

```
    }
```

```
    [w:TMP201] = [w:TMP201] + 1;
```

```
}
```

```
//Processing before closing the screen.
```

```
//Process according to the selected axis number
```

```
[w:TMP201] = 0;
```

```
while([w:TMP201] < 32)
```

```
{
```

```
    if([b:GB1629[w:TMP201]] == ON)
```

```
    {
```

```
        [w:TMP200] = [w:TMP201] + 1;
```

```
        break;
```

```
    }
```

```
    [w:TMP201] = [w:TMP201] + 1;
```

```
}
```

```
switch([w:TMP200])
```

```
{
```

```
    case 1:      [w:GD200] = 1;      //Axis Number 1
                 [w:GD940] = 0;
                 break;
```

```
    case 2:      [w:GD200] = 2;      //Axis Number 2
                 [w:GD940] = 20;
                 break;
```

```
    case 3:      [w:GD200] = 3;      //Axis Number 3
                 [w:GD940] = 40;
```

```

break;

case 4:    [w:GD200] = 4;    //Axis Number 4
          [w:GD940] = 60;
          break;

case 5:    [w:GD200] = 5;    //Axis Number 5
          [w:GD940] = 80;
          break;

case 6:    [w:GD200] = 6;    //Axis Number 6
          [w:GD940] = 100;
          break;

case 7:    [w:GD200] = 7;    //Axis Number 7
          [w:GD940] = 120;
          break;

case 8:    [w:GD200] = 8;    //Axis Number 8
          [w:GD940] = 140;
          break;

case 9:    [w:GD200] = 9;    //Axis Number 9
          [w:GD940] = 160;
          break;

case 10:   [w:GD200] = 10;    //Axis Number 10
          [w:GD940] = 180;
          break;

case 11:   [w:GD200] = 11;    //Axis Number 11
          [w:GD940] = 200;
          break;

case 12:   [w:GD200] = 12;    //Axis Number 12
          [w:GD940] = 220;
          break;

case 13:   [w:GD200] = 13;    //Axis Number 13
          [w:GD940] = 240;
          break;

case 14:   [w:GD200] = 14;    //Axis Number 14
          [w:GD940] = 260;
          break;

case 15:   [w:GD200] = 15;    //Axis Number 15
          [w:GD940] = 280;
          break;

case 16:   [w:GD200] = 16;    //Axis Number 16
          [w:GD940] = 300;
          break;

case 17:   [w:GD200] = 17;    //Axis Number 17
          [w:GD940] = 320;
          break;

case 18:   [w:GD200] = 18;    //Axis Number 18
          [w:GD940] = 340;
          break;

case 19:   [w:GD200] = 19;    //Axis Number 19
          [w:GD940] = 360;
          break;

case 20:   [w:GD200] = 20;    //Axis Number 20
          [w:GD940] = 380;
          break;

case 21:   [w:GD200] = 21;    //Axis Number 21

```

```

[w:GD940] = 400;
break;

case 22: [w:GD200] = 22;      //Axis Number 22
[w:GD940] = 420;
break;

case 23: [w:GD200] = 23;      //Axis Number 23
[w:GD940] = 440;
break;

case 24: [w:GD200] = 24;      //Axis Number 24
[w:GD940] = 460;
break;

case 25: [w:GD200] = 25;      //Axis Number 25
[w:GD940] = 480;
break;

case 26: [w:GD200] = 26;      //Axis Number 26
[w:GD940] = 500;
break;

case 27: [w:GD200] = 27;      //Axis Number 27
[w:GD940] = 520;
break;

case 28: [w:GD200] = 28;      //Axis Number 28
[w:GD940] = 540;
break;

case 29: [w:GD200] = 29;      //Axis Number 29
[w:GD940] = 560;
break;

case 30: [w:GD200] = 30;      //Axis Number 30
[w:GD940] = 580;
break;

case 31: [w:GD200] = 31;      //Axis Number 31
[w:GD940] = 600;
break;

case 32: [w:GD200] = 32;      //Axis Number 32
[w:GD940] = 620;
break;

default: break;
}

```

```
rst([b:GB1698]);
```

Script No.	30027	Script name.	Script30027
Comment	Axis Selection Scroll up		
Date type	Signed BIN16	Trigger type	Rise GB1696

```
//Scroll up
```

```

//Set the bit lamp offset
//Makes scrolling loop
if([w:GD941] >= 4)
{
[w:GD941] = [w:GD941] - 4;
}else{
[w:GD941] = 28;
}

```

```

//Set the name offset
[w:GD942] = [w:GD941] * 20;

```

```
//Turn OFF trigger with displayed and validated axis number
//OFF=Available ON=Not available
[w:TMP200] = [w:GD941];
[w:TMP201] = 0;
while([w:TMP201] < 4)
{
    if([b:GB1521[w:TMP200]] == OFF)
    {
        rst([b:GB1620[w:TMP0201]]); //Trigger OFF
    }else{
        set([b:GB1620[w:TMP0201]]); //Trigger ON
    }

    [w:TMP0200] = [w:TMP0200] + 1;
    [w:TMP0201] = [w:TMP0201] + 1;
}
}
```

Script No.	30028	Script name.	Script30028
Comment	Axis Selection ScrollDown		
Date type	Signed BIN16	Trigger type	Rise GB1697

//Scroll down

```
//Set the bit lamp offset
//Makes scrolling loop
if([w:GD941] < 28)
{
    [w:GD941] = [w:GD941] + 4;
}else{
    [w:GD941] = 0;
}

//Set the name offset
[w:GD942] = [w:GD941] * 20;

//Turn OFF trigger with displayed and validated axis number.
//OFF=Available ON=Not available
[w:TMP0200] = [w:GD941];
[w:TMP0201] = 0;
while([w:TMP0201] < 4)
{
    if([b:GB1521[w:TMP200]] == OFF)
    {
        rst([b:GB1620[w:TMP0201]]); //Trigger OFF
    }else{
        set([b:GB1620[w:TMP0201]]); //Trigger ON
    }

    [w:TMP0200] = [w:TMP0200] + 1;
    [w:TMP0201] = [w:TMP0201] + 1;
}
}
```

Script No.	30201	Script name.	Script30201
Comment	Estimated Value Logging		
Date type	Signed BIN16	Trigger type	Sampling 5sec

```
//Discrimination of Estimation completed(Torque in positive direction)
if ( ( [u16:U01-A1-MD2] & 0x000F ) == 1 ) { //When 1 is stored
    set([b:GB1910]); // Estimation completed
}else{
    rst([b:GB1910]); // Estimation not completed
}

//Discrimination of Estimation completed(Torque in negative direction)
if ( ( [u16:U01-A1-MD2] >> 4 & 0x000F ) == 1 ) { //When 1 is stored
    set([b:GB1911]); // Estimation completed
}
```



```

}else{
    rst([b:GB1911]); // Estimation not completed
}

//Discrimination of Estimation completed(Vibration)
if ( ( [u16:U01-A1-MD2] >> 8 & 0x000F ) == 1 ) { //When 1 is stored
    set([b:GB1912]); // Estimation completed
}else{
    rst([b:GB1912]); // Estimation not completed
}

```

Script No.	30300	Script name.	Script30300
Comment	Alarm Detection		
Date type	Signed BIN16	Trigger type	Ordinary

//Identify errors based on the alarm number and the detail number

//[s16:U01-A1-ALM0] : alarm number

//[s16:U01-A1-ALM1] : alarm detail number

```

switch([s16:U01-A1-ALM1])
{
    case 0:
        if([s16:U01-A1-ALM0] == 2184){
            [w:GD1700] = 299;
        }else{
            [w:GD1700] = [s16:U01-A1-ALM0];
        }
        break;

    case 1:
        [w:GD1700] = [s16:U01-A1-ALM0];
        break;

    case 2:
        [w:GD1700] = 300 + [s16:U01-A1-ALM0];
        break;

    case 3:
        [w:GD1700] = 600 + [s16:U01-A1-ALM0];
        break;

    case 4:
        [w:GD1700] = 900 + [s16:U01-A1-ALM0];
        break;

    case 5:
        [w:GD1700] = 1200 + [s16:U01-A1-ALM0];
        break;

    case 6:
        [w:GD1700] = 1500 + [s16:U01-A1-ALM0];
        break;

    case 7:
        [w:GD1700] = 1800 + [s16:U01-A1-ALM0];
        break;

    case 8:
        [w:GD1700] = 2100 + [s16:U01-A1-ALM0];
        break;

    case 9:

```

```

[w:GD1700] = 2400 + [s16:U01-A1-ALM0];
break;

case 10:
[w:GD1700] = 2700 + [s16:U01-A1-ALM0];
break;

case 11:
[w:GD1700] = 3000 + [s16:U01-A1-ALM0];
break;

case 12:
[w:GD1700] = 3300 + [s16:U01-A1-ALM0];
break;

case 13:
[w:GD1700] = 3600 + [s16:U01-A1-ALM0];
break;

case 14:
[w:GD1700] = 3900 + [s16:U01-A1-ALM0];
break;

case 15:
[w:GD1700] = 4200 + [s16:U01-A1-ALM0];
break;

```

Script No.	30002	Script name.	Script30002
Comment	Clock Setting		
Date type	Signed BIN16	Trigger type	Rise GB2001

```

// Obtain Today's Year & Month from Clock Data
// GD1060 : Year (O)
// GD1061 : Month (O)
// GD1062 : Day (O)
// GD1063 : Hour (O)
// GD1064 : Minute (O)
// GD1065 : Second (O)

```

```

[w:TMP100] = [w:GS650] & 0xF000; // Obtain Tenths Digit of "Last 2-Digits of Year" from Clock Data for Setting
[w:TMP110] = [w:TMP100] >> 12; // Decimal Alignment
[w:TMP118] = [w:TMP110] * 10; // BCD->BIN
[w:TMP101] = [w:GS650] & 0x0F00; // Obtain Ones Digit of "Last 2-Digits of Year" from Clock Data for Setting
[w:TMP111] = [w:TMP101] >> 8; // BCD->BIN
[w:TMP123] = 2000 + [w:TMP118] + [w:TMP111]; //Set Year to TMP123 as BIN
[w:GD1060] = [w:TMP123]; // Set Year

```

```

[w:TMP102] = [w:GS650] & 0x00F0; // Obtain Tenths Digit of Month from Clock Data for Setting
[w:TMP112] = [w:TMP102] >> 4; // Decimal Alignment
[w:TMP119] = [w:TMP112] * 10; // BCD->BIN
[w:TMP103] = [w:GS650] & 0x000F; // Obtain Ones Digit of Month from Clock Data for Setting
[w:TMP124] = [w:TMP119] + [w:TMP103]; // Set Month to TMP124 as BIN
[w:GD1061] = [w:TMP124]; // Set Month

```

```

[w:TMP104] = [w:GS651] & 0xF000; // Obtain Tenths Digit of "Last 2-Digits of Day" from Clock Data for Setting
[w:TMP113] = [w:TMP104] >> 12; // Decimal Alignment
[w:TMP120] = [w:TMP113] * 10; // BCD->BIN
[w:TMP105] = [w:GS651] & 0x0F00; // Obtain Ones Digit of "Last 2-Digits of Day" from Clock Data for Setting
[w:TMP114] = [w:TMP105] >> 8; // BCD->BIN
[w:TMP125] = [w:TMP120] + [w:TMP114]; // Set Day to TMP125 as BIN

```

```

[w:GD1062] = [w:TMP125];          // Set Day

[w:TMP106] = [w:GS651] & 0x00F0;  // Obtain Tenths Digit of Hour from Clock Data for Setting
[w:TMP115] = [w:TMP106] >> 4;    // Decimal Alignment
[w:TMP121] = [w:TMP115] * 10;     // BCD->BIN
[w:TMP107] = [w:GS651] & 0x000F;  // Obtain Ones Digit of Hour from Clock Data for Setting
[w:TMP126] = [w:TMP121] + [w:TMP107]; // Set Hour to TMP126 as BIN
[w:GD1063] = [w:TMP126];          // Set Hour

[w:TMP108] = [w:GS652] & 0xF000;  // Obtain Tenths Digit of "Last 2-Digits of Minute" from Clock Data for Setting
[w:TMP116] = [w:TMP108] >> 12;    // Decimal Alignment
[w:TMP122] = [w:TMP116] * 10;     // BCD->BIN
[w:TMP109] = [w:GS652] & 0x0F00;  // Obtain Ones Digit of "Last 2-Digits of Minute" from Clock Data for Setting
[w:TMP117] = [w:TMP109] >> 8;     // BCD->BIN
[w:TMP127] = [w:TMP122] + [w:TMP117]; // Set Minute to TMP127 as BIN
[w:GD1064] = [w:TMP127];          // Set Minute

[w:TMP143] = [w:GS652] & 0x00F0;  // Obtain Tenths Digit of Second from Clock Data for Setting
[w:TMP145] = [w:TMP143] >> 4;    // Decimal Alignment
[w:TMP146] = [w:TMP145] * 10;     // BCD->BIN
[w:TMP144] = [w:GS652] & 0x000F;  // Obtain Ones Digit of Second from Clock Data for Setting
[w:TMP128] = [w:TMP146] + [w:TMP144]; // Set Second to TMP128 as BIN
[w:GD1065] = [w:TMP128];          // Set Second

```

Script No.	30003	Script name.	Script30003
Comment	Clock Setting2		
Date type	Signed BIN16	Trigger type	ON GB2001

```

// BIN -> BCD Conversion
// GD1060 : Year (I)
// GD1061 : Month (I)
// GD1062 : Day (I)
// GD1063 : Hour (I)
// GD1064 : Minute (I)
// GD1065 : Second (I)

```

```

[w:TMP129] = [w:GD1060] - 2000;    // Last 2-Digits of Year

```

```

[w:TMP130] = (([w:TMP129] / 10) << 4) + ([w:TMP129] % 10); // Year BIN -> BCD
[w:TMP131] = (([w:GD1061] / 10) << 4) + ([w:GD1061] % 10); // Month BIN -> BCD
[w:TMP132] = (([w:GD1062] / 10) << 4) + ([w:GD1062] % 10); // Day BIN -> BCD
[w:TMP133] = (([w:GD1063] / 10) << 4) + ([w:GD1063] % 10); // Hour BIN -> BCD
[w:TMP134] = (([w:GD1064] / 10) << 4) + ([w:GD1064] % 10); // Minute BIN -> BCD
[w:TMP135] = (([w:GD1065] / 10) << 4) + ([w:GD1065] % 10); // Second BIN -> BCD

```

```

// Year & Month Setting

```

```

[w:GS513] = ([w:TMP130] << 8) + [w:TMP131]; // Set Year & Month to Change Time Device

```

```

// Date & Time Setting

```

```

[w:GS514] = ([w:TMP132] << 8) + [w:TMP133]; // Set Date & Time to Change Time Device

```

```

// Minute & Second Setting

```

```

[w:GS515] = ([w:TMP134] << 8) + [w:TMP135]; // Set Minute & Second to Change Time Device

```

```

// Day of Week Setting

```

```

// GD1060 : Year (I)
// GD1061 : Month (I)

```

```
// GD1062 : Day (I)
```

```
[w:TMP136] = [w:GD1060];    // Year (BIN)
[w:TMP137] = [w:GD1061];    // Month (BIN)
[w:TMP138] = [w:GD1062];    // Day (BIN)
```

```
if(([w:TMP137] == 1) || ([w:TMP137] == 2)){    // Correction Processing to Calculate January and February
as 13th/14th Month
```

```
    [w:TMP136] = [w:TMP136] - 1;    // Subtract 1 from Year
    [w:TMP137] = [w:TMP137] + 12;    // Add 12 to Month
}
```

```
[w:TMP139] = [w:TMP136]/4;    // Create Items Required for Zeller's Congruence
[w:TMP140] = [w:TMP136]/100;    // Create Items Required for Zeller's Congruence
[w:TMP141] = [w:TMP136]/400;    // Create Items Required for Zeller's Congruence
[w:TMP142] = (13*[w:TMP137]+8)/5;    // Create Items Required for Zeller's Congruence
```

```
// Calculate Day of Week Using Zeller's Congruence and Set the Day to Change Time Device
[w:GS516] = ([w:TMP136]+[w:TMP139]-[w:TMP140]+[w:TMP141]+[w:TMP142]+[w:TMP138])%7;
```

Script No.	30004	Script name.	Script30004
Comment	Clock Setting Start/end		
Date type	Signed BIN16	Trigger type	Ordinary

```
// Clock setting start/end
// GB2001 : Clock setting Script Trigger (O)
// GD2009 : Dialog Window Switching Device (I)
```

```
if([u16:GD101]==30003){// Display W-30002 "Clock setting"
    [b:GB2001]=ON;//Clock setting start
}else{
    [b:GB2001]=OFF;//Clock setting end
}
```

5.8.2 Screen Script

Base Screen 30001

Script No.	30021	Script name.	Script30021
Comment	WhenValid/InvalidAxisScrnOpen		
Date type	Signed BIN16	Trigger type	Rise GB1694
<pre>//Reflect settings when the window is opened. [w:GD941] = 0; //Set the bit lamp offset [w:GD942] = 0; //Name offset //Turn OFF trigger with validated between axis number 1 to 8. //OFF=Available ON=Not available [w:TMP200] = 0; while([w:TMP200] < 8) { if([b:GB1521[w:TMP200]] == OFF) { rst([b:GB1620[w:TMP200]]); //Trigger OFF }else{ set([b:GB1620[w:TMP200]]); //Trigger ON } [w:TMP200] = [w:TMP200] + 1; } </pre>			
Script No.	30018	Script name.	Script30018
Comment	Processing before recipe saved		
Date type	Signed BIN16	Trigger type	Rise GB1699
<pre>//Turn ON internal devices according to validated axis number. [u32:TMP200] = [u32:GD1531] ; [u32:TMP201] = [u32:GD1533] ; [w:TMP202] = 0; while([w:TMP202] < 32) { if(([u32:TMP200] & 0x00000001) == 1) { set([b:GB1521[w:TMP202]]); } [u32:TMP200] = [u32:TMP200] >> 1; [w:TMP202] = [w:TMP202] + 1; } while([w:TMP202] < 64) { if(([u32:TMP201] & 0x00000001) == 1) { set([b:GB1521[w:TMP202]]); } [u32:TMP201] = [u32:TMP201] >> 1; [w:TMP202] = [w:TMP202] + 1; } //Turn ON bit lamp in the axis selection window. [w:TMP203] = [w:GD200] - 1; set([b:GB1629[w:TMP203]]); rst([b:GB1699]); //Reset the flag to start to save recipe. </pre>			

Script No.	30022	Script name.	Script30022
Comment	Recipe saved		
Date type	Signed BIN16	Trigger type	ON GB1694
<pre>//Store the results that were set in valid/invalid axis setting window in recipe. if([w:GD104] == 0) { //In case script switching device of overlap2 is 0 (While window2 is closed). [w:TMP200] = 0; [u32:TMP201] = [u32:GD1531]; //Store the latest current axis block. [u32:TMP202] = [u32:GD1533]; //Reflect the results of ON/OFF status in word device. while([w:TMP200] < 32) { if([b:GB1521[w:TMP200]] == ON) { [u32:TMP203] = 0x00000001 << [w:TMP200] ; [u32:TMP201] = [u32:TMP201] [u32:TMP203]; }else{ [u32:TMP203] = 0x00000001 << [w:TMP200] ; [u32:TMP201] = [u32:TMP201] & (~[u32:TMP203]); } [w:TMP200] = [w:TMP200] + 1; } while([w:TMP200] < 64) { if([b:GB1521[w:TMP200]] == ON) { [u32:TMP203] = 0x00000001 << [w:TMP200] - 32; [u32:TMP202] = [u32:TMP202] [u32:TMP203]; }else{ [u32:TMP203] = 0x00000001 << [w:TMP200] - 32; [u32:TMP202] = [u32:TMP202] & (~[u32:TMP203]); } [w:TMP200] = [w:TMP200] + 1; } [u32:GD1531] = [u32:TMP201]; //Set GD1531 to the reflected results. [u32:GD1533] = [u32:TMP202]; //Set GD1533 to the reflected results. set([b:GB1301]); //Read recipe rst([b:GB1694]); //Reset start flag for valid/invalid axis screen. }</pre>			
Script No.	30019	Script name.	Script30019
Comment	Processing after recipe saved.		
Date type	Signed BIN16	Trigger type	Rise GD1110.b1
<pre>//Turn read trigger OFF after confirmation of during writing recipe. rst([b:GB1301]);</pre>			
Script No.	30023	Script name.	Script30023
Comment	Scroll up		
Date type	Signed BIN16	Trigger type	Rise GB1519
<pre>//Scroll up //Set the bit lamp offset //Makes scrolling loop if([w:GD941] >= 4) { [w:GD941] = [w:GD941] - 4; }else{ [w:GD941] = 28; }</pre>			

```

//Set the name offset
[w:GD942] = [w:GD941] * 20;

//Turn OFF trigger with displayed and validated axis number.
//OFF=Available ON=Not available
[w:TMP200] = [w:GD941];
[w:TMP201] = 0;
while([w:TMP201] < 4)
{
    if([b:GB1521[w:TMP200]] == OFF)
    {
        rst([b:GB1620[w:TMP201]]); //Trigger OFF
    }else{
        set([b:GB1620[w:TMP201]]); //Trigger ON
    }

    [w:TMP200] = [w:TMP200] + 1;
    [w:TMP201] = [w:TMP201] + 1;
}

```

Script No.	30024	Script name.	Script30024
Comment	Scroll down		
Date type	Signed BIN16	Trigger type	Rise GB1520

```

//Scroll down

//Set the bit lamp offset
//Makes scrolling loop
if([w:GD941] < 28)
{
    [w:GD941] = [w:GD941] + 4;
}else{
    [w:GD941] = 0;
}

//Set the name offset
[w:GD942] = [w:GD941] * 20;

//Turn OFF trigger with displayed and validated station number.
//OFF=Available ON=Not available
[w:TMP200] = [w:GD941];
[w:TMP201] = 0;
while([w:TMP201] < 4)
{
    if([b:GB1521[w:TMP200]] == OFF)
    {
        rst([b:GB1620[w:TMP201]]); //Trigger OFF
    }else{
        set([b:GB1620[w:TMP201]]); //Trigger ON
    }

    [w:TMP200] = [w:TMP200] + 1;
    [w:TMP201] = [w:TMP201] + 1;
}

```

Base Screen 30012 to 30020

Script No.	30145	Script name.	Script30145
Comment	Gain Adjustment Mode Selection		
Date type	Unsigned BIN16	Trigger type	Ordinary

```

//Change the trigger in accordance with selected gain adjustment mode.
switch([w:U01-A100-PA1008]){
    case 0x0000: //2 gain adjustment mode 1
        [w:GD1140] = 1;
}

```

```

        break;
    case 0x0001: //Auto tuning mode 1
        [w:GD1140] = 2;
        break;
    case 0x0002: //Auto tuning mode 2
        [w:GD1140] = 4;
        break;
    case 0x0003: //Manual mode
        [w:GD1140] = 8;
        break;
    case 0x0004: //2 gain adjustment mode 2
        [w:GD1140] = 16;
        break;
}

//Screen switching control
if( ([b:GD1140.b2]==ON) || ([b:GD1140.b3]==ON) || ([b:GD1140.b4]==ON) ){
    set([b:GB1401]);
}
else{
    rst ([b:GB1401]);
}

```

Base Screen 30015 to 30019

Script No.	30150	Script name.	Script30150
Comment	Filter Setting Monitor		
Date type	Unsigned BIN16	Trigger type	Ordinary

```

//Filter 1
[w:GD1600] = [w:U01-A100-PB1001] & 0x000F;

[w:TMP150] = [w:U01-A100-PB1014] & 0x0F00;
[w:GD1601] = [w:TMP150] >>8 ;

[w:TMP151] = [w:U01-A100-PB1014] & 0x00F0;
[w:GD1602] = [w:TMP151] >>4 ;

//Filter 2
[w:GD1603] = [w:U01-A100-PB1016] & 0x000F;

[w:TMP152] = [w:U01-A100-PB1016] & 0x0F00;
[w:GD1604] = [w:TMP152] >>8 ;

[w:TMP153] = [w:U01-A100-PB1016] & 0x00F0;
[w:GD1605] = [w:TMP153] >>4 ;

//Filter 3
[w:GD1606] = [w:U01-A100-PB1047] & 0x000F;

[w:TMP154] = [w:U01-A100-PB1047] & 0x0F00;
[w:GD1607] = [w:TMP154] >>8 ;

[w:TMP155] = [w:U01-A100-PB1047] & 0x00F0;
[w:GD1608] = [w:TMP155] >>4 ;

//Filter 4
[w:GD1609] = [w:U01-A100-PB1049] & 0x000F;

[w:TMP156] = [w:U01-A100-PB1049] & 0x0F00;
[w:GD1610] = [w:TMP156] >>8 ;

```



```
[w:TMP157] = [w:U01-A100-PB1049] & 0x00F0;
[w:GD1611] = [w:TMP157] >>4 ;
```

```
//Filter 5
if( [w:GD1619] == 1 ){ //When the low-pass filter is ON
    [w:GD1612] = 2;
}
else {
    [w:GD1612] = [w:U01-A100-PB1051] & 0x000F;
}
```

```
[w:TMP158] = [w:U01-A100-PB1051] & 0x0F00;
[w:GD1613] = [w:TMP158] >>8 ;
```

```
[w:TMP159] = [w:U01-A100-PB1051] & 0x00F0;
[w:GD1614] = [w:TMP159] >>4 ;
```

```
//Robust filter
[w:GD1619] = [w:U01-A100-PE1041] & 0x000F;
```

```
//Screen switching control
```

```
if ( ([b:GB1200]==OFF) && ([b:GB1201]==OFF) && ([b:GB1202]==OFF) && ([b:GB1203]==OFF) &&
([b:GB1204]==OFF) &&
([b:GB1205]==OFF) && ([b:GB1206]==OFF) && ([b:GB1207]==OFF) && ([b:GB1208]==OFF) &&
([b:GB1209]==OFF) &&
([b:GB1210]==OFF) && ([b:GB1211]==OFF) && ([b:GB1212]==OFF) && ([b:GB1213]==OFF) &&
([b:GB1214]==OFF)) {

    rst ([b:GB1400]);
}
```

Base Screen 30015

Script No.	30151	Script name.	Script30151
Comment	Filter 1 Setting		
Date type	Unsigned BIN16	Trigger type	ON GB1200

```
[w:GD1551]=[w:U01-A100-PB1001];
```

```
switch([w:GD1550]){
    case 0 : //Input 0000 in GD1551
        [b:GD1551.b0]=0;
        [b:GD1551.b1]=0;
        [b:GD1551.b2]=0;
        [b:GD1551.b3]=0;
        set([b:GB1250]); //Turn on the input signal
        break;

    case 1: //Input 0001 in GD1551
        [b:GD1551.b0]=1;
        [b:GD1551.b1]=0;
        [b:GD1551.b2]=0;
        [b:GD1551.b3]=0;
        set([b:GB1250]); //Turn on the input signal
        break;

    case 2: //Input 0002 in GD1551
        [b:GD1551.b0]=0;
        [b:GD1551.b1]=1;
        [b:GD1551.b2]=0;
        [b:GD1551.b3]=0;
```

```

[b:GD1551.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1001]=[w:GD1551]; //Substitute GD1551 in PB1001
rst([b:GB1200]);
rst([b:GB1250]);
}

```

Script No.	30152	Script name.	Script30152
Comment	Filter 1 Notch Width		
Date type	Signed BIN16	Trigger type	ON GB1201

```

[w:GD1553]=[w:U01-A100-PB1014];

switch([w:GD1552]){
case 0 : //Input 0000 in GD1553
[b:GD1553.b8]=0;
[b:GD1553.b9]=0;
[b:GD1553.b10]=0;
[b:GD1553.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 1 : //Input 0100 in GD1553
[b:GD1553.b8]=1;
[b:GD1553.b9]=0;
[b:GD1553.b10]=0;
[b:GD1553.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 2 : //Input 0200 in GD1553
[b:GD1553.b8]=0;
[b:GD1553.b9]=1;
[b:GD1553.b10]=0;
[b:GD1553.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 3 : //Input 0300 in GD1553
[b:GD1553.b8]=1;
[b:GD1553.b9]=1;
[b:GD1553.b10]=0;
[b:GD1553.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1014]=[w:GD1553]; //Substitute GD1553 in PB1014
rst([b:GB1201]);
rst([b:GB1250]);
}

```

Script No.	30153	Script name.	Script30153
Comment	Filter 1 Notch Depth		
Date type	Unsigned BIN16	Trigger type	ON GB1202

```

[w:GD1553]=[w:U01-A100-PB1014];

switch([w:GD1554]){
case 0 : //Input 0000 in GD1553

```

```

[b:GD1553.b4]=0;
[b:GD1553.b5]=0;
[b:GD1553.b6]=0;
[b:GD1553.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 1 : //Input 0010 in GD1553
[b:GD1553.b4]=1;
[b:GD1553.b5]=0;
[b:GD1553.b6]=0;
[b:GD1553.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 2 : //Input 0020 in GD1553
[b:GD1553.b4]=0;
[b:GD1553.b5]=1;
[b:GD1553.b6]=0;
[b:GD1553.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 3 : //Input 0030 in GD1553
[b:GD1553.b4]=1;
[b:GD1553.b5]=1;
[b:GD1553.b6]=0;
[b:GD1553.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1014]=[w:GD1553]; //Substitute GD1553 in PB1014
rst([b:GB1202]);
rst([b:GB1250]);
}

```

Base Screen 30016

Script No.	30154	Script name.	Script30154
Comment	Filter 2 Setting		
Date type	Signed BIN16	Trigger type	ON GB1203

```

[w:GD1556]=[w:U01-A100-PB1016];

switch([w:GD1555]){
case 0 : //Input 0000 in GD1556
[b:GD1556.b0]=0;
[b:GD1556.b1]=0;
[b:GD1556.b2]=0;
[b:GD1556.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 1 : //Input 0001 in GD1556
[b:GD1556.b0]=1;
[b:GD1556.b1]=0;
[b:GD1556.b2]=0;
[b:GD1556.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;
}

```

```

if ( [b:GB1250] == ON ) { //When turning on the input signal
  [w:U01-A100-PB1016]=[w:GD1556]; //Substitute GD1556 in PB1016
  rst([b:GB1203]);
  rst([b:GB1250]);
}

```

Script No.	30155	Script name.	Script30155
Comment	Filter 2 Notch Width		
Date type	Signed BIN16	Trigger type	ON GB1204

```
[w:GD1556]=[w:U01-A100-PB1016];
```

```

switch([w:GD1557]){
  case 0 : //Input 0000 in GD1556
    [b:GD1556.b8]=0;
    [b:GD1556.b9]=0;
    [b:GD1556.b10]=0;
    [b:GD1556.b11]=0;
    set([b:GB1250]); //Turn on the input signal
    break;

  case 1 : //Input 0100 in GD1556
    [b:GD1556.b8]=1;
    [b:GD1556.b9]=0;
    [b:GD1556.b10]=0;
    [b:GD1556.b11]=0;
    set([b:GB1250]); //Turn on the input signal
    break;

  case 2 : //Input 0200 in GD1556
    [b:GD1556.b8]=0;
    [b:GD1556.b9]=1;
    [b:GD1556.b10]=0;
    [b:GD1556.b11]=0;
    set([b:GB1250]); //Turn on the input signal
    break;

  case 3 : //Input 0300 in GD1556
    [b:GD1556.b8]=1;
    [b:GD1556.b9]=1;
    [b:GD1556.b10]=0;
    [b:GD1556.b11]=0;
    set([b:GB1250]); //Turn on the input signal
    break;
}

```

```

if ( [b:GB1250] == ON ) { //When turning on the input signal
  [w:U01-A100-PB1016]=[w:GD1556]; //Substitute GD1556 in PB1016
  rst([b:GB1204]);
  rst([b:GB1250]);
}

```

Script No.	30156	Script name.	Script30156
Comment	Filter 2 Notch Depth		
Date type	Signed BIN16	Trigger type	ON GB1205

```
[w:GD1556]=[w:U01-A100-PB1016];
```

```

switch([w:GD1558]){
  case 0 : //Input 0000 in GD1556
    [b:GD1556.b4]=0;
    [b:GD1556.b5]=0;
    [b:GD1556.b6]=0;
    [b:GD1556.b7]=0;
    set([b:GB1250]); //Turn on the input signal
    break;
}

```

```

case 1 ://Input 0010 in GD1556
[b:GD1556.b4]=1;
[b:GD1556.b5]=0;
[b:GD1556.b6]=0;
[b:GD1556.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 2 : //Input 0020 in GD1556
[b:GD1556.b4]=0;
[b:GD1556.b5]=1;
[b:GD1556.b6]=0;
[b:GD1556.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 3 : //Input 0030 in GD1556
[b:GD1556.b4]=1;
[b:GD1556.b5]=1;
[b:GD1556.b6]=0;
[b:GD1556.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1016]=[w:GD1556]; //Substitute GD1556 in PB1016
rst([b:GB1205]);
rst([b:GB1250]);
}

```

Base Screen 30017

Script No.	30157	Script name.	Script30157
Comment	Filter 3 Setting		
Date type	Signed BIN16	Trigger type	ON GB1206
<pre> [w:GD1560]=[w:U01-A100-PB1047]; switch([w:GD1559]){ case 0 : //Input 0000 in GD1560 [b:GD1560.b0]=0; [b:GD1560.b1]=0; [b:GD1560.b2]=0; [b:GD1560.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0001 in GD61560 [b:GD1560.b0]=1; [b:GD1560.b1]=0; [b:GD1560.b2]=0; [b:GD1560.b3]=0; set([b:GB1250]); //Turn on the input signal break; } if ([b:GB1250] == ON) { //When turning on the input signal [w:U01-A100-PB1047]=[w:GD1560]; //Substitute GD1560 in PB1047 rst([b:GB1206]); rst([b:GB1250]); } </pre>			

Script No.	30158	Script name.	Script30158
Comment	Filter 3 Notch Width		
Date type	Signed BIN16	Trigger type	ON GB1207
[w:GD1560]=[w:U01-A100-PB1047]; switch([w:GD1561]){ case 0 : //Input 0000 in GD1560 [b:GD1560.b8]=0; [b:GD1560.b9]=0; [b:GD1560.b10]=0; [b:GD1560.b11]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0100 in GD1560 [b:GD1560.b8]=1; [b:GD1560.b9]=0; [b:GD1560.b10]=0; [b:GD1560.b11]=0; set([b:GB1250]); //Turn on the input signal break; case 2 : //Input 0200 in GD1560 [b:GD1560.b8]=0; [b:GD1560.b9]=1; [b:GD1560.b10]=0; [b:GD1560.b11]=0; set([b:GB1250]); //Turn on the input signal break; case 3 : //Input 0300 in GD1560 [b:GD1560.b8]=1; [b:GD1560.b9]=1; [b:GD1560.b10]=0; [b:GD1560.b11]=0; set([b:GB1250]); //Turn on the input signal break; } if ([b:GB1250] == ON) { //When turning on the input signal [w:U01-A100-PB1047]=[w:GD1560]; //Substitute GD1560 in PB1047 rst([b:GB1207]); rst([b:GB1250]); } 			
Script No.	30159	Script name.	Script30159
Comment	Filter 3 Notch Depth		
Date type	Signed BIN16	Trigger type	ON GB1208
[w:GD1560]=[w:U01-A100-PB1047]; switch([w:GD1562]){ case 0 : //Input 0000 in GD1560 [b:GD1560.b4]=0; [b:GD1560.b5]=0; [b:GD1560.b6]=0; [b:GD1560.b7]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0010 in GD1560 [b:GD1560.b4]=1; [b:GD1560.b5]=0; [b:GD1560.b6]=0; 			

```

[b:GD1560.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 2 : //Input 0020 in GD1560
[b:GD1560.b4]=0;
[b:GD1560.b5]=1;
[b:GD1560.b6]=0;
[b:GD1560.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 3 : //Input 0030 in GD1560
[b:GD1560.b4]=1;
[b:GD1560.b5]=1;
[b:GD1560.b6]=0;
[b:GD1560.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1047]=[w:GD1560]; //Substitute GD1560 in PB1047
rst([b:GB1208]);
rst([b:GB1250]);
}

```

Base Screen 30018

Script No.	30160	Script name.	Script30160
Comment	Filter 4 Setting		
Date type	Signed BIN16	Trigger type	ON GB1209
<pre> [w:GD1564]=[w:U01-A100-PB1049]; switch([w:GD1563]){ case 0 : //Input 0000 in GD1564 [b:GD1564.b0]=0; [b:GD1564.b1]=0; [b:GD1564.b2]=0; [b:GD1564.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0001 in GD1564 [b:GD1564.b0]=1; [b:GD1564.b1]=0; [b:GD1564.b2]=0; [b:GD1564.b3]=0; set([b:GB1250]); //Turn on the input signal break; } if ([b:GB1250] == ON) { //When turning on the input signal [w:U01-A100-PB1049]=[w:GD1564]; //Substitute GD1564 in PB1049 rst([b:GB1209]); rst([b:GB1250]); } </pre>			
Script No.	30161	Script name.	Script30161
Comment	Filter 4 Notch Width		
Date type	Signed BIN16	Trigger type	ON GB1210
<pre> [w:GD1564]=[w:U01-A100-PB1049]; switch([w:GD1565]){ </pre>			

```

case 0 : //Input 0000 in GD1564
[b:GD1564.b8]=0;
[b:GD1564.b9]=0;
[b:GD1564.b10]=0;
[b:GD1564.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 1 : //Input 0100 in GD1564
[b:GD1564.b8]=1;
[b:GD1564.b9]=0;
[b:GD1564.b10]=0;
[b:GD1564.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 2 : //Input 0200 in GD1564
[b:GD1564.b8]=0;
[b:GD1564.b9]=1;
[b:GD1564.b10]=0;
[b:GD1564.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 3 : //Input 0300 in GD1564
[b:GD1564.b8]=1;
[b:GD1564.b9]=1;
[b:GD1564.b10]=0;
[b:GD1564.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

}

```

```

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1049]=[w:GD1564]; //Substitute GD1564 in PB1049
rst([b:GB1210]);
rst([b:GB1250]);
}

```

Script No.	30162	Script name.	Script30162
Comment	Filter 4 Notch Depth		
Date type	Signed BIN16	Trigger type	ON GB1211

```

[w:GD1564]=[w:U01-A100-PB1049];

```

```

switch([w:GD1566]){
case 0 : //Input 0000 in GD1564
[b:GD1564.b4]=0;
[b:GD1564.b5]=0;
[b:GD1564.b6]=0;
[b:GD1564.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 1 : //Input 0010 in GD1564
[b:GD1564.b4]=1;
[b:GD1564.b5]=0;
[b:GD1564.b6]=0;
[b:GD1564.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 2 : //Input 0020 in GD1564
[b:GD1564.b4]=0;
[b:GD1564.b5]=1;

```



```

[b:GD1564.b6]=0;
[b:GD1564.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 3 : //Input 0030 in GD1564
[b:GD1564.b4]=1;
[b:GD1564.b5]=1;
[b:GD1564.b6]=0;
[b:GD1564.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1049]=[w:GD1564]; //Substitute GD1564 in PB1049
rst([b:GB1211]);
rst([b:GB1250]);
}

```

Base Screen 30019

Script No.	30163	Script name.	Script30163
Comment	Filter 5 Setting		
Date type	Signed BIN16	Trigger type	ON GB1212
[w:GD1568]=[w:U01-A100-PB1051]; switch([w:GD1567]){ case 0 : //Input 0000 in GD1568 [b:GD1568.b0]=0; [b:GD1568.b1]=0; [b:GD1568.b2]=0; [b:GD1568.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0001 in GD1568 [b:GD1568.b0]=1; [b:GD1568.b1]=0; [b:GD1568.b2]=0; [b:GD1568.b3]=0; set([b:GB1250]); //Turn on the input signal break; } if ([b:GB1250] == ON) { //When turning on the input signal [w:U01-A100-PB1051]=[w:GD1568]; //Substitute GD1568 in PB rst([b:GB1212]); rst([b:GB1250]); } 			
Script No.	30164	Script name.	Script30164
Comment	Filter 5 Notch Width		
Date type	Signed BIN16	Trigger type	ON GB1213
[w:GD1568]=[w:U01-A100-PB1051]; switch([w:GD1569]){ case 0 : //Input 0000 in GD1568 [b:GD1568.b8]=0; [b:GD1568.b9]=0; [b:GD1568.b10]=0; [b:GD1568.b11]=0; set([b:GB1250]); //Turn on the input signal break; 			

```

case 1 : //Input 0100 in GD1568
[b:GD1568.b8]=1;
[b:GD1568.b9]=0;
[b:GD1568.b10]=0;
[b:GD1568.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 2 : //Input 0200 in GD1568
[b:GD1568.b8]=0;
[b:GD1568.b9]=1;
[b:GD1568.b10]=0;
[b:GD1568.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 3 : //Input 0300 in GD1568
[b:GD1568.b8]=1;
[b:GD1568.b9]=1;
[b:GD1568.b10]=0;
[b:GD1568.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

}

```

```

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1051]=[w:GD1568]; //Substitute GD1568 in PB1051
rst([b:GB1213]);
rst([b:GB1250]);
}

```

Script No.	30165	Script name.	Script30165
Comment	Filter 5 Notch Depth		
Date type	Signed BIN16	Trigger type	ON GB1214

```

[w:GD1568]=[w:U01-A100-PB1051];

```

```

switch([w:GD1570]){
case 0 : //Input 0000 in GD1568
[b:GD1568.b4]=0;
[b:GD1568.b5]=0;
[b:GD1568.b6]=0;
[b:GD1568.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 1 : //Input 0010 in GD1568
[b:GD1568.b4]=1;
[b:GD1568.b5]=0;
[b:GD1568.b6]=0;
[b:GD1568.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 2 : //Input 0020 in GD1568
[b:GD1568.b4]=0;
[b:GD1568.b5]=1;
[b:GD1568.b6]=0;
[b:GD1568.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 3 : ///Input 0030 in GD1568
[b:GD1568.b4]=1;

```

```

[b:GD1568.b5]=1;
[b:GD1568.b6]=0;
[b:GD1568.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1051]=[w:GD1568]; //Substitute GD1568 in PB1051
rst([b:GB1214]);
rst([b:GB1250]);
}

```

Base Screen 30020

Script No.	30170	Script name.	Script30170
Comment	Filter Setting Monitor 2		
Date type	Unsigned BIN16	Trigger type	Ordinary
<pre> //Low-pass filter [w:TMP160] = [w:U01-A100-PB1023] & 0x00F0; [w:GD1615] = [w:TMP160] >>4 ; //shaft resonance control filter if ([w:GD1609] == 1){ //When filter 4 is ON [w:GD1616] =3; } else { [w:GD1616] = [w:U01-A100-PB1023] & 0x000F; } [w:GD1617] = [w:U01-A100-PB1017] & 0x00FF; [w:TMP161] = [w:U01-A100-PB1017] & 0x0F00; [w:GD1618] = [w:TMP161] >>8 ; //Robust filter [w:GD1619] = [w:U01-A100-PE1041] & 0x000F; //Filter 4 [w:GD1609] = [w:U01-A100-PB1049] & 0x000F; //Screen switching control if (([b:GB1215]==OFF) && ([b:GB1216]==OFF) && ([b:GB1217]==OFF) && ([b:GB1218]==OFF) && ([b:GB1219]==OFF)) { rst ([b:GB1400]); } </pre>			
Script No.	30171	Script name.	Script30171
Comment	Low-pass Filter Setting		
Date type	Unsigned BIN16	Trigger type	ON GB1215
<pre> [w:GD1572]=[w:U01-A100-PB1023]; switch([w:GD1571]){ case 0 : //Input 0000 in GD1572 [b:GD1572.b4]=0; [b:GD1572.b5]=0; [b:GD1572.b6]=0; [b:GD1572.b7]=0; </pre>			

```
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 1 : //Input 0010 in GD1572
```

```
[b:GD1572.b4]=1;
[b:GD1572.b5]=0;
[b:GD1572.b6]=0;
[b:GD1572.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 2 : //Input 0020 in GD1572
```

```
[b:GD1572.b4]=0;
[b:GD1572.b5]=1;
[b:GD1572.b6]=0;
[b:GD1572.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
}
```

```
if ( [b:GB1250] == ON ) { //When turning on the input signal
  [w:U01-A100-PB1023]=[w:GD1572]; //Substitute GD1572 in PB1023
  rst([b:GB1215]);
  rst([b:GB1250]);
}
```

Script No.	30172	Script name.	Script30172
Comment	Shaft Res. Supp. Filter Setting		
Date type	Unsigned BIN16	Trigger type	ON GB1216

```
[w:GD1574]=[w:U01-A100-PB1023];
```

```
switch([w:GD1573]){
```

```
case 0 : //Input 0000 in GD1574
```

```
[b:GD1574.b0]=0;
[b:GD1574.b1]=0;
[b:GD1574.b2]=0;
[b:GD1574.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 1 : //Input 0001 in GD1574
```

```
[b:GD1574.b0]=1;
[b:GD1574.b1]=0;
[b:GD1574.b2]=0;
[b:GD1574.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 2 : //Input 0002 in GD1574
```

```
[b:GD1574.b0]=0;
[b:GD1574.b1]=1;
[b:GD1574.b2]=0;
[b:GD1574.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
}
```

```
if ( [b:GB1250] == ON ) { //When turning on the input signal
  [w:U01-A100-PB1023]=[w:GD1574]; //Substitute GD1574 in PB1023
  rst([b:GB1216]);
  rst([b:GB1250]);
}
```

Script No.	30173	Script name.	Script30173
Comment	Shaft Res.Supp.Filter Frequency		
Date type	Unsigned BIN16	Trigger type	ON GB1217
[w:GD1576]=[w:U01-A100-PB1017]; switch([w:GD1575]){ case 0 : //Input 0000 in GD1576 [b:GD1576.b0]=0; [b:GD1576.b1]=0; [b:GD1576.b2]=0; [b:GD1576.b3]=0; [b:GD1576.b4]=0; [b:GD1576.b5]=0; [b:GD1576.b6]=0; [b:GD1576.b7]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0001 in GD1576 [b:GD1576.b0]=1; [b:GD1576.b1]=0; [b:GD1576.b2]=0; [b:GD1576.b3]=0; [b:GD1576.b4]=0; [b:GD1576.b5]=0; [b:GD1576.b6]=0; [b:GD1576.b7]=0; set([b:GB1250]); //Turn on the input signal break; case 2 : //Input 0002 in GD1576 [b:GD1576.b0]=0; [b:GD1576.b1]=1; [b:GD1576.b2]=0; [b:GD1576.b3]=0; [b:GD1576.b4]=0; [b:GD1576.b5]=0; [b:GD1576.b6]=0; [b:GD1576.b7]=0; set([b:GB1250]); //Turn on the input signal break; case 3 : //Input 0003 in GD1576 [b:GD1576.b0]=1; [b:GD1576.b1]=1; [b:GD1576.b2]=0; [b:GD1576.b3]=0; [b:GD1576.b4]=0; [b:GD1576.b5]=0; [b:GD1576.b6]=0; [b:GD1576.b7]=0; set([b:GB1250]); //Turn on the input signal break; case 4 : //Input 0004 in GD1576 [b:GD1576.b0]=0; [b:GD1576.b1]=0; [b:GD1576.b2]=1; [b:GD1576.b3]=0; [b:GD1576.b4]=0; [b:GD1576.b5]=0; [b:GD1576.b6]=0; [b:GD1576.b7]=0; set([b:GB1250]); //Turn on the input signal			

```

break;

case 5 : //Input 0005 in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 6 : //Input 0006 in GD1576
[b:GD1576.b0]=0;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 7 : //Input 0007 in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 8 : //Input 0008 in GD1576
[b:GD1576.b0]=0;
[b:GD1576.b1]=0;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 9 : //Input 0009 in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 10 : //Input 000A in GD1576
[b:GD1576.b0]=0;

```

```
[b:GD1576.b1]=1;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 11 : //Input 000B in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 12 : //Input 000C in GD1576
[b:GD1576.b0]=0;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 13 : //Input 000D in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 14 : //Input 000E in GD1576
[b:GD1576.b0]=0;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 15 : //Input 000F in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=0;
```

```
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 16 : //Input 0010 in GD1576
```

```
[b:GD1576.b0]=0;
[b:GD1576.b1]=0;
[b:GD1576.b2]=0;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 17 : //Input 0011 in GD1576
```

```
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=0;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 18 : //Input 0012 in GD1576
```

```
[b:GD1576.b0]=0;
[b:GD1576.b1]=1;
[b:GD1576.b2]=0;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 19 : //Input 0013 in GD1576
```

```
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=0;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

```
case 20 : //Input 0014 in GD1576
```

```
[b:GD1576.b0]=0;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
```



```

break;

case 21 : //Input 0015 in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 22 : //Input 0016 in GD1576
[b:GD1576.b0]=0;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 23 : //Input 0017 in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=0;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 24 : //Input 0018 in GD1576
[b:GD1576.b0]=0;
[b:GD1576.b1]=0;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 25 : //Input 0019 in GD1576
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 26 : //Input 001A in GD1576
[b:GD1576.b0]=0;

```

```
[b:GD1576.b1]=1;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

case 27 : //Input 001B in GD1576

```
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=0;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

case 28 : //Input 001C in GD1576

```
[b:GD1576.b0]=0;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

case 29 : //Input 001D in GD1576

```
[b:GD1576.b0]=1;
[b:GD1576.b1]=0;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

case 30 : //Input 001E in GD1576

```
[b:GD1576.b0]=0;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;
```

case 31 : //Input 001F in GD1576

```
[b:GD1576.b0]=1;
[b:GD1576.b1]=1;
[b:GD1576.b2]=1;
[b:GD1576.b3]=1;
[b:GD1576.b4]=1;
```

```

[b:GD1576.b5]=0;
[b:GD1576.b6]=0;
[b:GD1576.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

}

```

```

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1017]=[w:GD1576]; //Substitute GD1576 in PB1017
rst([b:GB1217]);
rst([b:GB1250]);
}

```

Script No.	30174	Script name.	Script30174
Comment	Shaft Res.Supp.Filter NotchDepth		
Date type	Unsigned BIN16	Trigger type	ON GB1218

```

[w:GD1576]=[w:U01-A100-PB1017];

```

```

switch([w:GD1577]){
case 0 : //Input 0000 in GD1576
[b:GD1576.b8]=0;
[b:GD1576.b9]=0;
[b:GD1576.b10]=0;
[b:GD1576.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 1 : //Input 0100 in GD1576
[b:GD1576.b8]=1;
[b:GD1576.b9]=0;
[b:GD1576.b10]=0;
[b:GD1576.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 2 : //Input 0200 in GD1576
[b:GD1576.b8]=0;
[b:GD1576.b9]=1;
[b:GD1576.b10]=0;
[b:GD1576.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

case 3 : //Input 0300 in GD1576
[b:GD1576.b8]=1;
[b:GD1576.b9]=1;
[b:GD1576.b10]=0;
[b:GD1576.b11]=0;
set([b:GB1250]); //Turn on the input signal
break;

```

```

}

```

```

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1017]=[w:GD1576]; //Substitute GD1576 in PB1017
rst([b:GB1218]);
rst([b:GB1250]);
}

```

Script No.	30175	Script name.	Script30175
Comment	Robust Filter Setting		
Date type	Unsigned BIN16	Trigger type	ON GB1219

```

[w:GD1579]=[w:U01-A100-PE1041];

```

```

switch([w:GD1578]){
  case 0 : //Input 0000 in GD1579
    [b:GD1579.b0]=0;
    [b:GD1579.b1]=0;
    [b:GD1579.b2]=0;
    [b:GD1579.b3]=0;
    set([b:GB1250]); //Turn on the input signal
    break;

  case 1 : //Input 0001 in GD1579
    [b:GD1579.b0]=1;
    [b:GD1579.b1]=0;
    [b:GD1579.b2]=0;
    [b:GD1579.b3]=0;
    set([b:GB1250]); //Turn on the input signal
    break;
}

if ( [b:GB1250] == ON ) { //When turning on the input signal
  [w:U01-A100-PE1041]=[w:GD1579]; //Substitute GD1579 in PE1041
  rst([b:GB1219]);
  rst([b:GB1250]);
}

```

Base Screen 30021 to 30023

Script No.	30180	Script name.	Script30180
Comment	Vibration Supp. Control Monitor		
Date type	Unsigned BIN16	Trigger type	Ordinary
//Vibration suppression control mode selection [w:GD1625] = [w:U01-A100-PA1024] & 0x000F; //Vibration suppression control 1 [w:GD1626] = [w:U01-A100-PB1002] & 0x000F; //Vibration suppression control 2 [w:TMP165] = [w:U01-A100-PB1002] & 0x00F0; [w:GD1627] = [w:TMP165] >>4 ;			

Base Screen 30021

Script No.	30183	Script name.	Script30183
Comment	Vib. Supp. Ctrl. mode selection		
Date type	Signed BIN16	Trigger type	ON GB1220
[w:GD1621]=[w:U01-A100-PA1024]; switch([w:GD1620]){ case 0 : //Input 0000 in GD1621 [b:GD1621.b0]=0; [b:GD1621.b1]=0; [b:GD1621.b2]=0; [b:GD1621.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0001 in GD1621 [b:GD1621.b0]=1; [b:GD1621.b1]=0; [b:GD1621.b2]=0; [b:GD1621.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 2 : //Input 0002 in GD1621 [b:GD1621.b0]=0;			

```

[b:GD1621.b1]=1;
[b:GD1621.b2]=0;
[b:GD1621.b3]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PA1024]=[w:GD1621]; //Substitute GD1621 in PA1024
rst([b:GB1220]);
rst([b:GB1250]);
}

```

Base Screen 30022

Script No.	30181	Script name.	Script30181
Comment	Control Setting 1		
Date type	Signed BIN16	Trigger type	ON GB1221
<pre> [w:GD1623]=[w:U01-A100-PB1002]; switch([w:GD1622]){ case 0 : //Input 0000 in GD1623 [b:GD1623.b0]=0; [b:GD1623.b1]=0; [b:GD1623.b2]=0; [b:GD1623.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 1 : //Input 0001 in GD1623 [b:GD1623.b0]=1; [b:GD1623.b1]=0; [b:GD1623.b2]=0; [b:GD1623.b3]=0; set([b:GB1250]); //Turn on the input signal break; case 2 : //Input 0002 in GD1623 [b:GD1623.b0]=0; [b:GD1623.b1]=1; [b:GD1623.b2]=0; [b:GD1623.b3]=0; set([b:GB1250]); //Turn on the input signal break; } if ([b:GB1250] == ON) { //When turning on the input signal [w:U01-A100-PB1002]=[w:GD1623]; //Substitute GD1623 in PA1024 rst([b:GB1221]); rst([b:GB1250]); } </pre>			

Base Screen 30023

Script No.	30182	Script name.	Script30182
Comment	Control Setting 2		
Date type	Signed BIN16	Trigger type	ON GB1222
<pre> [w:GD1623]=[w:U01-A100-PB1002]; switch([w:GD1624]){ case 0 : //Input 0000 in GD1623 [b:GD1623.b4]=0; [b:GD1623.b5]=0; </pre>			

```

[b:GD1623.b6]=0;
[b:GD1623.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 1 ://Input 0010 in GD1623
[b:GD1623.b4]=1;
[b:GD1623.b5]=0;
[b:GD1623.b6]=0;
[b:GD1623.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

case 2 : //Input 0020 in GD1623
[b:GD1623.b4]=0;
[b:GD1623.b5]=1;
[b:GD1623.b6]=0;
[b:GD1623.b7]=0;
set([b:GB1250]); //Turn on the input signal
break;

}

if ( [b:GB1250] == ON ) { //When turning on the input signal
[w:U01-A100-PB1002]=[w:GD1623]; //Substitute GD1623 in PB1002
rst([b:GB1222]);
rst([b:GB1250]);
}

```

Base Screen 30024

Script No.	30115	Script name.	Script30115
Comment	Response mode selection		
Date type	Signed BIN16	Trigger type	Rise GB100
<pre> rst([b:GB100]); //Start the tuning in accordance with the selected response mode switch([w:GD1130]){ case 1: set([b:U01-A100-OTI1]); //High mode break; case 2: set([b:U01-A100-OTI0]); //Basic mode break; case 3: set([b:U01-A100-OTI2]); //Low mode break; } </pre>			

Base Screen 30033

Script No.	30125	Script name.	Script30125
Comment	Start/End JOG operation		
Date type	Signed BIN16	Trigger type	Rise/Fall GB110
<pre> //Start operation if([b:GB110] == ON){ set([b:U01-A100-OM1]); //Switch to JOG operation mode. set([b:GB111]); //Turn ON the trigger for transferring the motor speed set([b:GB112]); //Turn ON the trigger for transferring the acceleration/deceleration time constant }else{ set([b:U01-A100-OM0]); //End test operation mode. } </pre>			

Script No.	30126	Script name.	Script30126
Comment	Transfer motor speed		
Date type	Unsigned BIN32	Trigger type	Rise GB111
[u32:U01-A100-TMD0] = [w:GD1201]; //Substitute the value of GD1201 in TMD0 device rst([b:GB111]); //Switch Trigger OFF			
Script No.	30127	Script name.	Script30127
Comment	Transfer accel/decel constant		
Date type	Unsigned BIN32	Trigger type	Rise GB112
[u32:U01-A100-TMD1] = [w:GD1203]; //Substitute the value of GD1203 in TMD1 device rst([b:GB112]); //Switch Trigger OFF			
Script No.	30128	Script name.	Script30128
Comment	Forward rotation operation		
Date type	Signed BIN16	Trigger type	Rise/Fall GB113
if([b:GB113] == ON){ //When the trigger signal rises [u32:U01-A100-TMI0] = 0x00000801; //Substitute 2049(0x0801) in TMI0 device } else{ //When the trigger signal falls [u32:U01-A100-TMI0] = 0x00000001; //Substitute 1(0x0001) in TMI0 device } }			
Script No.	30129	Script name.	Script30129
Comment	Reverse rotation operation		
Date type	Signed BIN16	Trigger type	Rise/Fall GB114
if([b:GB113] == ON){ //When the trigger signal rises [u32:U01-A100-TMI0] = 0x00000801; //Substitute 2049(0x0801) in TMI0 device } else{ //When the trigger signal falls [u32:U01-A100-TMI0] = 0x00000001; //Substitute 1(0x0001) in TMI0 device } }			
Script No.	30120	Script name.	Script30120
Comment	Superimpose window control		
Date type	Signed BIN16	Trigger type	Rise GB40
//Display the status display screen [w:GD116]=30101;			

Base Screen 30035

Script No.	30130	Script name.	Script30130
Comment	Start/EndPositioningOperation		
Date type	Signed BIN16	Trigger type	Rise/Fall GB115
//Start operation if([b:GB115] == ON){ set([b:U01-A100-OM2]); //Switch to positioning operation mode set([b:GB111]); //Turn ON the trigger to transfer motor speed set([b:GB112]); //Turn ON the trigger to transfer acceleration/deceleration constant set([b:GB116]); //Turn travel distance transfer trigger ON. } else{ set([b:U01-A100-OM0]); //End test operation mode } }			
Script No.	30126	Script name.	Script30126
Comment	Transfer motor speed		
Date type	Unsigned BIN32	Trigger type	Rise GB111
[u32:U01-A100-TMD0] = [w:GD1201]; //Substitute the value of GD1201 in TMD0 device rst([b:GB111]); //Switch Trigger OFF			
Script No.	30127	Script name.	Script30127
Comment	Transfer accel/decel constant		
Date type	Unsigned BIN32	Trigger type	Rise GB112
[u32:U01-A100-TMD1] = [w:GD1203]; //Substitute the value of GD1203 in TMD1 device rst([b:GB112]); //Switch Trigger OFF			

Script No.	30131	Script name.	Script30131
Comment	Transfer travel distance		
Date type	Unsigned BIN32	Trigger type	Rise GB116
[u32:U01-A100-TMD3] = [w:GD1205]; //Substitute the value of GD1205 in TMD3 Device [b:GB116] = OFF; //Switch Trigger OFF			
Script No.	30120	Script name.	Script30120
Comment	Superimpose window control		
Date type	Signed BIN16	Trigger type	Rise GB40
//Display the status display screen [w:GD116]=30101;			

Base Screen 30037

Script No.	30135	Script name.	Script30135
Comment	Start/End (DO) forced output		
Date type	Signed BIN16	Trigger type	Rise/Fall GB117
<pre>//Start operation if([b:GB117] == ON){ [w:GD1351] = 0; //Clear dummy device [w:GD1352] = 0; //Clear dummy device set([b:U01-A100-OM4]); //Switch to output signal (DO) forced output mode. }else{ [w:GD1351] = 0; //Clear dummy device [w:GD1352] = 0; //Clear dummy device set([b:U01-A100-OM0]); //End test operation mode }</pre>			
Script No.	30136	Script name.	Script30136
Comment	Output signal selection		
Date type	Unsigned BIN16	Trigger type	ON GB117
<pre>if([w:GD1352] != [w:GD1351]){ //When the signal has changed [u32:U01-A100-TMO0] = [w:GD1351]; //Store the value in TMO0 [w:GD1352] = [w:GD1351]; //Store the value in the comparison device }</pre>			

Base Screen 30041

Script No.	30190	Script name.	Script30190
Comment	Parameter setting (ROM) message display		
Date type	Signed BIN16	Trigger type	Rise GB40
<pre>if([b:GB120]==OFF){ [w:GD104]=30041; }</pre>			

Base Screen 30071

Script No.	30191	Script name.	Script30191
Comment	Parameter setting (RAM) message display		
Date type	Signed BIN16	Trigger type	Rise GB40
<pre>if([b:GB121]==OFF){ [w:GD104]=30071; }</pre>			

Base Screen 30105 to 30106

Script No.	30104	Script name.	Script30104
Comment	Threshold Value Initial Reading		
Date type	Signed BIN16	Trigger type	Rise GB40
<pre>//Read the threshold value when the screen appears. set([b:GB1150]);</pre>			

Script No.	30100	Script name.	Script30100
Comment	Machine Diagnosis Setting		
Date type	Signed BIN16	Trigger type	Ordinary
<pre>//Display the estimated value [w:TMP180] = [w:U01-A100-MD2]&0x000F; if ([w:TMP180] == 1) { //When 1 is stored set([b:GB1000]); } //Display the estimated value else{ rst([b:GB1000]); } [w:TMP181] = [w:U01-A100-MD2]&0x00F0; [w:TMP182] = [w:TMP181] >> 4; //Shift by 4 to right and store in TMP182 if ([w:TMP182] == 1) { //When 1 is stored set([b:GB1001]); } //Display the estimated value else{ rst([b:GB1001]); } [w:TMP183] = [w:U01-A100-MD2]&0x0F00; [w:TMP184] = [w:TMP183] >> 8; //Shift by 8 to right and store in TMP184 if ([w:TMP184] == 1) { //When 1 is stored set([b:GB1002]); } //Display the estimated value else{ rst([b:GB1002]); } //Reset the recipe trigger if([b:GD1110.b0] == ON){ //When the write process notification signal is ON rst([b:GB1150]); //Threshold value write trigger OFF } if([b:GD1110.b1] == ON){ //When the read completed notification signal is ON rst([b:GB1101]); //Estimated value read trigger OFF rst([b:GB1151]); //Threshold value read trigger OFF } </pre>			
Script No.	30101	Script name.	Script30101
Comment	Threshold Value Excess Judge 1		
Date type	Signed BIN16	Trigger type	ON GB1000
<pre>//Determine if the estimated value has exceeded the threshold value. //MD3 if([s16:U01-A100-MD3] > [s16:GD1400]) { //When MD3 has exceeded the threshold value set ([b:GB1050]); //Change the background color of the numerical display } else{ //When MD3 has not exceeded the threshold value rst ([b:GB1050]); } //MD4 if([s16:U01-A100-MD4] > [s16:GD1402]) { //When MD4 has exceeded the threshold value set ([b:GB1051]); //Change the background color of the numerical display } else{ //When MD4 has not exceeded the threshold value rst ([b:GB1051]); } </pre>			

Script No.	30102	Script name.	Script30102
Comment	Threshold Value Excess Judge 2		
Date type	Signed BIN16	Trigger type	ON GB1001
//Determine if the estimated value has exceeded the threshold value. //MD5 if([s16:U01-A100-MD5] < [s16:GD1404]) { //When MD5 has exceeded the threshold value set ([b:GB1052]); //Change the background color of the numerical display } else{ //When MD5 has not exceeded the threshold value rst ([b:GB1052]); } //MD6 if([s16:U01-A100-MD6] < [s16:GD1406]) { //When MD6 has exceeded the threshold value set ([b:GB1053]); //Change the background color of the numerical display } else{ //When MD6 has not exceeded the threshold value rst ([b:GB1053]); }			
Script No.	30103	Script name.	Script30103
Comment	Threshold Value Excess Judge 3		
Date type	Signed BIN16	Trigger type	ON GB1002
//Determine if the estimated value has exceeded the threshold value. //MD7 if([w:U01-A100-MD7] > [w:GD1412]) { //When MD7 has exceeded the threshold value set ([b:GB1056]); //Change the background color of the numerical display } else{ //When MD7 has not exceeded the threshold value rst ([b:GB1056]); } //MD8 if([u16:U01-A100-MD8] > [u16:GD1414]) { //When MD8 has exceeded the threshold value set ([b:GB1057]); //Change the background color of the numerical display } else{ //When MD8 has not exceeded the threshold value rst ([b:GB1057]); } //MD9 if([w:U01-A100-MD9] > [w:GD1408]) { //When MD9 has exceeded the threshold value set ([b:GB1054]); //Change the background color of the numerical display } else{ //When MD9 has not exceeded the threshold value rst ([b:GB1054]); } //MD10 if([u16:U01-A100-MD10] > [u16:GD1410]) { //When MD10 has exceeded the threshold value set ([b:GB1055]); //Change the background color of the numerical display } else{ //When MD10 has not exceeded the threshold value rst ([b:GB1055]); }			
Script No.	30106	Script name.	Script30106
Comment	Estimated Value Transfer Setting		
Date type	Signed BIN16	Trigger type	Rise GB1070
//Transfer the estimated value to GD //MD3-4 if([b:GB1000]==ON){ //When the value has been estimated			

```

    set([b:GD1450.b0]); //Device data transfer start trigger ON
    set([b:GB1160]); //Script start trigger ON
}
else{ //When the value has not been estimated
    [s16:GD1420]=9990;
    [s16:GD1422]=9990;
    set([b:GB1071]); //Movement completed
}

```

```

//MD5-6
if([b:GB1001]==ON){ //When the value has been estimated
    set([b:GD1452.b0]); //Device data transfer start trigger ON
    set([b:GB1161]); //Script start trigger ON
}
else{ //When the value has not been estimated
    [s16:GD1424]=9990;
    [s16:GD1426]=9990;
    set([b:GB1072]); //Movement completed
}

```

```

//MD7-10
if([b:GB1002]==ON){ //When the value has been estimated
    set([b:GD1454.b0]); //Device data transfer start trigger ON
    set([b:GB1162]); //Script start trigger ON
}
else{ //When the value has not been estimated
    [w:GD1428]=999;
    [u16:GD1430]=9990;
    [w:GD1432]=999;
    [u16:GD1434]=9990;
    set([b:GB1073]); //Movement completed
}

```

```

//Esrimated value recipe save script trigger ON
set([b:GB1170]);

```

Script No.	30107	Script name.	Script30107
Comment	Estimated Value Transfer 1		
Date type	Signed BIN16	Trigger type	ON GB1160

```

if([b:GD1451.b0]==ON){ //When the transferring signal is ON
    set([b:GB1165]); //Transfer start flag ON
    rst([b:GD1450.b0]); //Transfer trigger OFF
}

```

```

if([b:GB1165]==ON&&[b:GD1451.b0]==OFF){
    set([b:GB1071]); //Transfer completed flag ON
    rst([b:GB1165]); //Transfer start flag OFF
    rst([b:GB1160]); //Script trigger OFF
}

```

Script No.	30108	Script name.	Script30108
Comment	Estimated Value Transfer 2		
Date type	Signed BIN16	Trigger type	ON GB1161

```

if([b:GD1453.b0]==ON){ //When the transferring signal is ON
    set([b:GB1166]); //Transfer start flag ON
    rst([b:GD1452.b0]); //Transfer trigger OFF
}

```

```

if([b:GB1166]==ON&&[b:GD1453.b0]==OFF){
    set([b:GB1072]); //Transfer completed flag ON
    rst([b:GB1166]); //Transfer start flag OFF
    rst([b:GB1161]); //Script trigger OFF
}

```

Script No.	30109	Script name.	Script30109
Comment	Estimated Value Transfer 3		
Date type	Signed BIN16	Trigger type	ON GB1162
<pre> if([b:GD1455.b0]==ON){ //When the transferring signal is ON set([b:GB1167]); //Transfer start flag ON rst([b:GD1454.b0]); //Transfer trigger OFF } if([b:GB1167]==ON&&[b:GD1455.b0]==OFF){ set([b:GB1073]); //Transfer completed flag ON rst([b:GB1167]); //Transfer start flag OFF rst([b:GB1162]); //Script trigger OFF } </pre>			
Script No.	30110	Script name.	Script30110
Comment	Estimated Value Recipe Save		
Date type	Signed BIN16	Trigger type	ON GB1170
<pre> if([b:GB1071]==ON&&[b:GB1072]==ON&&[b:GB1073]==ON){ //When all of the transfer completed flags are ON set([b:GB1101]); //Estimated value recipe read trigger ON //All flags OFF rst([b:GB1071]); rst([b:GB1072]); rst([b:GB1073]); rst([b:GB1070]); //Estimated value save switch rst([b:GB1170]); //Recipe save script trigger } </pre>			
Script No.	30105	Script name.	Script30105
Comment	Threshold Value Reading		
Date type	Signed BIN16	Trigger type	Fall GB1180
<pre> //When the threshold value setting window is closed, the saved value will be applied. set([b:GB1150]); </pre>			

Base Screen 30113

Script No.	30200	Script name.	Script30200
Comment	Present Time Setting		
Date type	Signed BIN16	Trigger type	OFF GB1800
<pre> //Store the information of the present time [w:GD1840]=[w:GS650]; //Store the information of the year and month [w:GD1841]=[w:GS651]; //Store the information of the day and hour [w:GD1842]=[w:GS652]; //Store the information of the minute and second set([b:GB1800]); </pre>			

Base Screen 30307 to 30308

Script No.	30050	Script name.	Script30050
Comment	I/O device monitor processing		
Date type	Signed BIN16	Trigger type	Ordinary
<pre> //Input device //EMG [u32:TMP70] = [u32:U01-A100-DI0] & 0x00020000; //Calculate bit17 of DI0 with logical conjunction and store it in TMP [w:GD1500] = [u32:TMP70] >> 17; //Shift TMP to right by 17 and store it in GD1500 //EM2/1 [u32:TMP71] = [u32:U01-A100-DI0] & 0x00040000; //Calculate bit18 of DI0 with logical conjunction and store it in TMP [w:GD1501] = [u32:TMP71] >> 18; //Shift TMP to right by 18 and store it in GD1501 </pre>			

```

//CRDY
[u32:TMP72] = [u32:U01-A100-DI0] & 0x00080000; //Calculate bit19 of DI0 with logical conjunction and store it in TMP
[w:GD1502] = [u32:TMP72] >> 19; //Shift TMP to right by 19 and store it in GD1502

//CDP
[u32:TMP73] = [u32:U01-A100-DI0] & 0x08000000; //Calculate bit27 of DI0 with logical conjunction and store it in TMP
[w:GD1503] = [u32:TMP73] >> 27; //Shift TMP to right by 27 and store it in GD1503

//CLD
[u32:TMP74] = [u32:U01-A100-DI0] & 0x10000000; //Calculate bit28 of DI0 with logical conjunction and store it in TMP
[w:GD1504] = [u32:TMP74] >> 28; //Shift TMP to right by 28 and store it in GD1504

//FLS
[u32:TMP75] = [u32:U01-A100-DI1] & 0x00010000; //Calculate bit16 of DI1 with logical conjunction and store it in TMP
[w:GD1505] = [u32:TMP75] >> 16; //Shift TMP to right by 16 and store it in GD1505

//RLS
[u32:TMP76] = [u32:U01-A100-DI1] & 0x00020000; //Calculate bit17 of DI1 with logical conjunction and store it in TMP
[w:GD1506] = [u32:TMP76] >> 17; //Shift TMP to right by 17 and store it in GD1506

//DOG
[u32:TMP77] = [u32:U01-A100-DI1] & 0x00040000; //Calculate bit18 of DI1 with logical conjunction and store it in TMP
[w:GD1507] = [u32:TMP77] >> 18; //Shift TMP to right by 18 and store it in GD1507

//Output device

//ALM2
[u32:TMP78] = [u32:U01-A100-DO0] & 0x00010000; //Calculate bit16 of DO0 with logical conjunction and store it in TMP
[w:GD1510] = [u32:TMP78] >> 16; //Shift TMP to right by 16 and store it in GD1510

//RDY
[u32:TMP79] = [u32:U01-A100-DO0] & 0x00080000; //Calculate bit19 of DO0 with logical conjunction and store it in TMP
[w:GD1511] = [u32:TMP79] >> 19; //Shift TMP to right by 19 and store it in GD1511

//STO
[u32:TMP80] = [u32:U01-A100-DO0] & 0x00200000; //Calculate bit21 of DO0 with logical conjunction and store it in TMP
[w:GD1512] = [u32:TMP80] >> 21; //Shift TMP to right by 21 and store it in GD1512

//SMPD
[u32:TMP81] = [u32:U01-A100-DO0] & 0x00400000; //Calculate bit22 of DO0 with logical conjunction and store it in TMP
[w:GD1513] = [u32:TMP81] >> 22; //Shift TMP to right by 22 and store it in GD1513

//CDPS
[u32:TMP82] = [u32:U01-A100-DO0] & 0x02000000; //Calculate bit25 of DO0 with logical conjunction and store it in TMP
[w:GD1514] = [u32:TMP82] >> 25; //Shift TMP to right by 25 and store it in GD1514

//CLDS
[u32:TMP83] = [u32:U01-A100-DO0] & 0x04000000; //Calculate bit26 of DO0 with logical conjunction and store it in TMP
[w:GD1515] = [u32:TMP83] >> 26; //Shift TMP to right by 26 and store it in GD1515

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//ABSV
[u32:TMP84] = [u32:U01-A100-DO0] & 0x08000000; //Calculate bit27 of DO0 with logical conjunction and
store it in TMP
[w:GD1516] = [u32:TMP84] >> 27; //Shift TMP to right by 27 and store it in GD1516

//IPF
[u32:TMP85] = [u32:U01-A100-DO0] & 0x20000000; //Calculate bit29 of DO0 with logical conjunction and
store it in TMP
[w:GD1517] = [u32:TMP85] >> 29; //Shift TMP to right by 29 and store it in GD1517

//SPC
[u32:TMP86] = [u32:U01-A100-DO0] & 0x40000000; //Calculate bit30 of DO0 with logical conjunction and
store it in TMP
[w:GD1518] = [u32:TMP86] >> 30; //Shift TMP to right by 30 and store it in GD1518

//MTTR
[u32:TMP87] = [u32:U01-A100-DO0] & 0x80000000; //Calculate bit31 of DO0 with logical conjunction and
store it in TMP
[w:GD1519] = [u32:TMP87] >> 31; //Shift TMP to right by 31 and store it in GD1519

//SFLS
[u32:TMP88] = [u32:U01-A100-DO1] & 0x00010000; //Calculate bit16 of DO1 with logical conjunction and
store it in TMP
[w:GD1520] = [u32:TMP88] >> 16; //Shift TMP to right by 16 and store it in GD1520

//SRLS
[u32:TMP89] = [u32:U01-A100-DO1] & 0x00020000; //Calculate bit17 of DO1 with logical conjunction and
store it in TMP
[w:GD1521] = [u32:TMP89] >> 17; //Shift TMP to right by 17 and store it in GD1521

//SDOG
[u32:TMP90] = [u32:U01-A100-DO1] & 0x00040000; //Calculate bit18 of DO1 with logical conjunction and
store it in TMP
[w:GD1522] = [u32:TMP90] >> 18; //Shift TMP to right by 18 and store it in GD1522

//SSV3
[u32:TMP91] = [u32:U01-A100-DO1] & 0x00800000; //Calculate bit23 of DO1 with logical conjunction and
store it in TMP
[w:GD1523] = [u32:TMP91] >> 23; //Shift TMP to right by 23 and store it in GD1523

```

5.9 Logging List

Logging ID:30001 Logging1

Item		Setting
Logging mode		File Save Mode
		10
		288
		None
Logging triggers	Logging triggers	Sampling
		3000
Number of blocks		2
blocks 1	blocks 1	U01-A1-ST40
		Signed BIN32
		1
blocks 2	blocks 2	U01-A100-ST41
		Signed BIN32
		1
File Access	File Access	A:Standard SD Card
		Package1¥LOG30001
		LOG30001
		None
Output additional file	Output additional file	None

Logging ID:30002 Logging2

Item		Setting
Logging mode		File Save Mode
		10
		1
		None
Logging triggers	Logging triggers	ON Sampling
		GB1910
		36000
Number of blocks		2
blocks 1	blocks 1	U01-A1-MD4
		Signed BIN 16
		1
blocks 2	blocks 2	U01-A1-MD3
		Signed BIN 16
		1
File Access	File Access	A:Standard SD Card
		Package1¥LOG30002
		LOG30002
		None
Output additional file	Output additional file	None

Logging ID:30003 Logging3

Item		Setting
Logging mode		File Save Mode
	Number of Files	10
	Number of Logs a file	1
	File Terminal Trigger	None
Logging triggers	Trigger Type	ON Sampling
	Device	GB1911
	Sampling (x100ms)	36000
Number of blocks		2
blocks 1	Device	U01-A1-MD6
	Device Type	Signed BIN 16
	Points	1
blocks 2	Device	U01-A1-MD5
	Device Type	Signed BIN 16
	Points	1

Item		Setting
File Access	Drive Name	A:Standard SD Card
	Folder Name	Package1¥LOG30003
	File Name	LOG30003
	Add date information to the file name	None
Output additional file	Output additional file	None

Logging ID:30004 Logging4

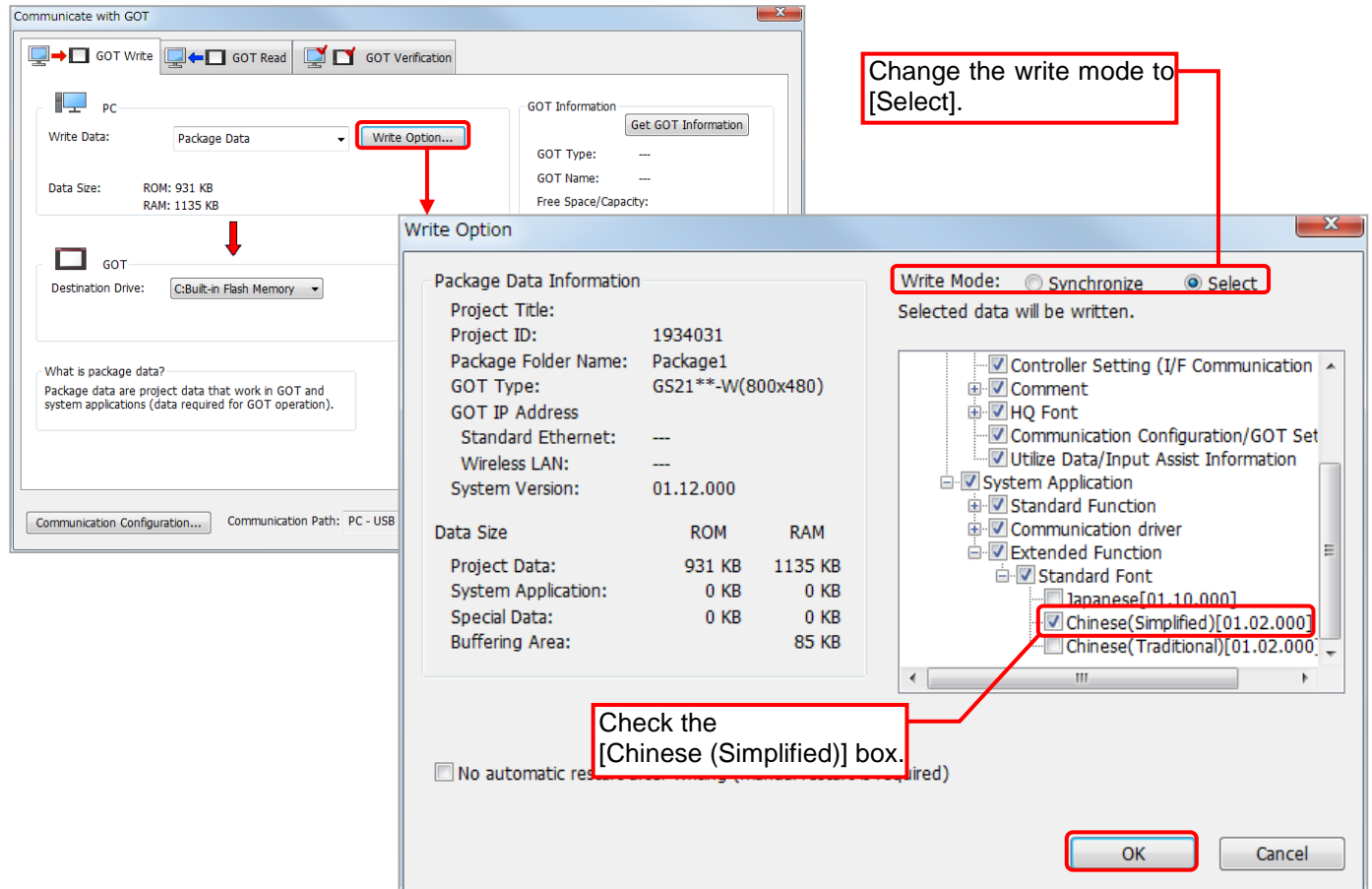
Item		Setting
Logging mode		File Save Mode
	Number of Files	10
	Number of Logs a file	1
	File Terminal Trigger	None
Logging triggers	Trigger Type	ON Sampling
	Device	GB1912
	Sampling (x100ms)	36000
Number of blocks		4
blocks 1	Device	U01-A1-MD9
	Device Type	Signed BIN 16
	Points	1
blocks 2	Device	U01-A1-MD10
	Device Type	Unsigned BIN 16
	Points	1
blocks 3	Device	U01-A1-MD7
	Device Type	Signed BIN 16
	Points	1
blocks 4	Device	U01-A1-MD8
	Device Type	Unsigned BIN 16
	Points	1
File Access	Drive Name	A:Standard SD Card
	Folder Name	Package1¥LOG30004
	File Name	LOG30004
	Add date information to the file name	None
Output additional file	Output additional file	None

6. OTHERS

6.1 How to Manually Select System Applications

To manually select the system application that is not automatically selected when the package data is written into the GOT, follow the steps below.

Example: Select Chinese (Simplified)

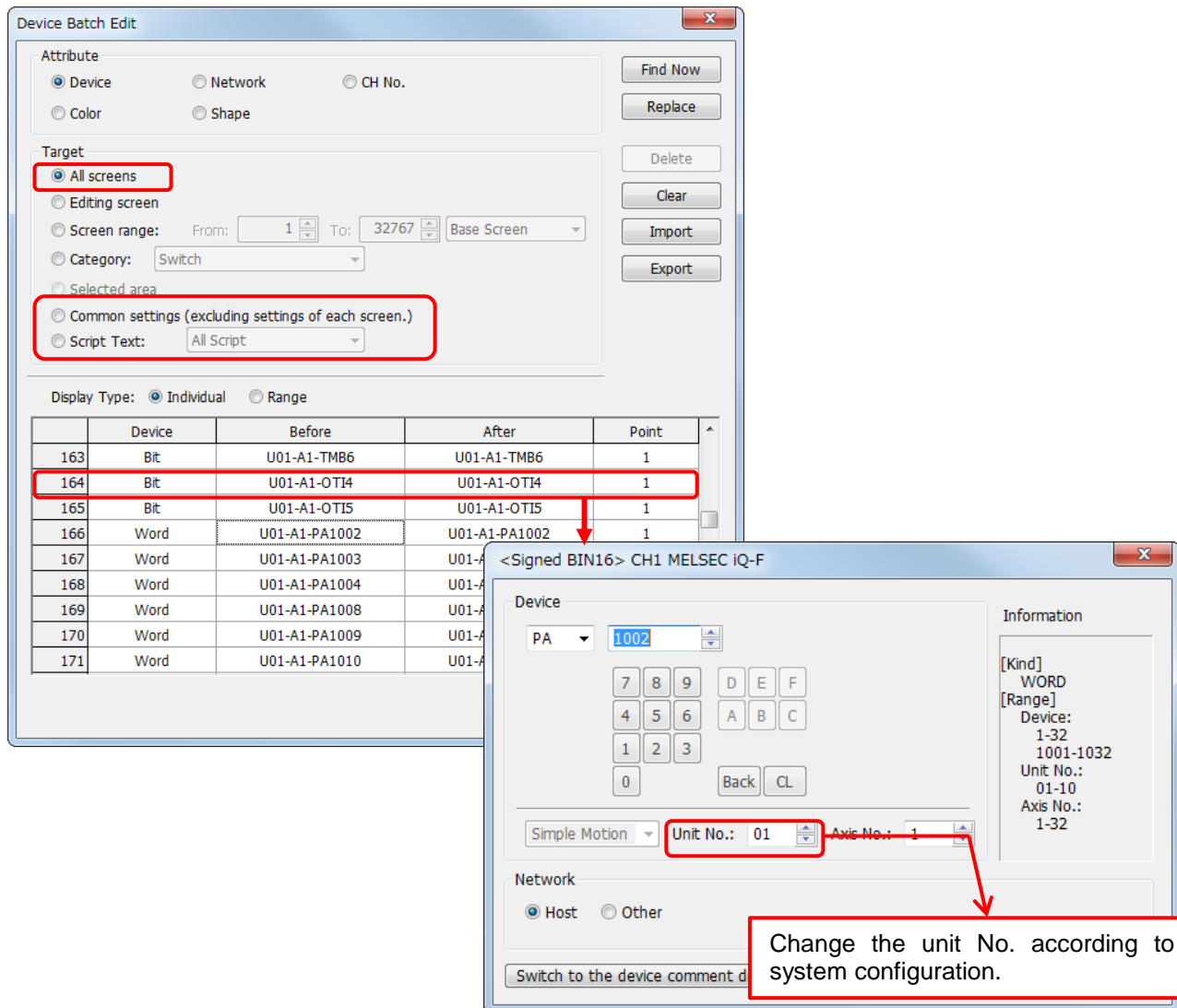


6.2 Settings for Using MELSEC iQ-R Series PLCs

When you use a MELSEC iQ-R 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) In [Device Batch Edit], change [Unit No.] which is set as the device for servo amplifier in accordance with the system configuration. Make sure to select [All screens], [Common settings], and [All Script] when changing the device setting for servo amplifier. For the details on the device of servo amplifier, please refer to "5.4 Device List".



6.3 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.

6.4 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)".