

**Production Discontinuation of CC-Link IE Field Network Remote I/O Modules
(With Safety Functions), Safety Protocol Version 1 Compliant Products**

■Date of Issue

September 2025

■Relevant Models

NZ2GFSS2-32D, NZ2GFSS2-16DTE, NZ2GFSS2-8D, NZ2GFSS2-8TE

Thank you for your continued support of Mitsubishi Electric programmable controllers.
This bulletin informs you that production of the following models will be discontinued.

1 MODELS TO BE DISCONTINUED

Product	Model
Main safety input module	NZ2GFSS2-32D
Main safety I/O combined module	NZ2GFSS2-16DTE
Main safety input module	NZ2GFSS2-8D
Main safety output module	NZ2GFSS2-8TE

2 SCHEDULE

Transition to make-to-order: September 1, 2026

Order acceptance: Until June 30, 2027

Production discontinuation: September 30, 2027

3 REASONS FOR DISCONTINUATION

The safety communications used in these discontinued models comply with the IEC 61784-3 (general rules and profile definitions for industrial communication networks), but the rules have been updated from the 2010 edition to the 2021 edition. Renewal of TÜV certification is no longer possible for the safety protocol version 1 compliant products, which comply with the 2010 edition. Therefore, the production of these products will be discontinued.

The safety protocol version 2 compliant products, which comply with the 2021 edition, released on June 2023 as successor models.

For distribution to Europe or when third-party certification for equipment safety is required, replace current models embedded in your equipment or system with successor models. For other cases, there are no problems in using current models embedded in your equipment or system.

4 REPAIR SUPPORT

Repair support period: Until September 30, 2034 (for seven years after the discontinuation of production)

5 MODELS RECOMMENDED FOR REPLACEMENT

Product	Model to be discontinued (safety protocol version 1)	Alternative model (safety protocol version 2)
	Model	Model
Main safety input module	NZ2GFSS2-32D	NZ2GFSS2-32D-S1
Main safety I/O combined module	NZ2GFSS2-16DTE	NZ2GFSS2-16DTE-S1
Main safety input module	NZ2GFSS2-8D	NZ2GFSS2-8D-S1
Main safety output module	NZ2GFSS2-8TE	NZ2GFSS2-8TE-S1

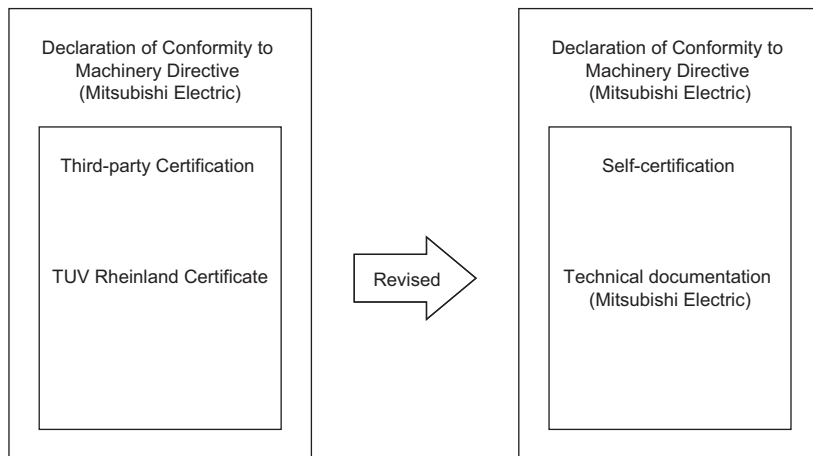
Refer to Page 4 PRECAUTIONS FOR REPLACEMENT for the precautions on replacement, and Page 6 REPLACEMENT PROCEDURES for the replacement procedures.

6 RECOMMENDABLE PROPOSALS

Please purchase another or more target models as a spare by the last day of order acceptance described in Page 1 SCHEDULE.

7 CORRESPONDENCE AFTER THE EXPIRATION DATE OF TÜV CERTIFICATIONS

For the CC-Link IE Field Network Remote I/O modules (with safety functions) of safety protocol version 1 compliant products, the Declaration of Conformity will be changed from the machinery directive based on the certification of the third-party organization TÜV Rheinland to the one based on self-certification of our company after September 1, 2026 (transition to make-to-order). The Declaration of Conformity is included with the product at the time of shipment.



The Declaration of Conformity is required for distribution to Europe.

Before distributing your equipment or system including discontinued models to the Europe market, check the change details in the Declaration of Conformity.

Point

- We use the term of third-party certification in the same sense as conformity evaluation by the Notified Body, which is defined in the Machinery Directive 2006/42/EC Annex IX EC-type-examination.
 - We use the terms of self-declaration in the same sense as conformity assessment by the manufacturer as defined in the Machinery Directive 2006/42/EC Annex VIII Assessment of conformity with internal checks on the manufacture of machinery.
-

8 PRECAUTIONS FOR REPLACEMENT

To replace the models to be discontinued, depending on the module used, check the following items.

8.1 Combination with the Master Station Compatible with the Safety Protocol Version 1 or 2

Available safety protocol versions differ depending on products and firmware versions. For details, refer to the following.

○: System construction available, △: System construction available with restrictions, —: System construction not available

Connecting device (master station)	Safety remote I/O module		
	Safety protocol version 2 compliant product	Safety protocol version 2 compliant product + Safety protocol version 1 compliant product	Safety protocol version 1 compliant product
Safety protocol version 1 and 2 compliant product	○	△*1	△*1
Safety protocol version 1 compliant product	—	—	△*1

*1 System construction is available, but a new third-party certification cannot be obtained. To obtain a new third-party certification, the latest regulations need to be met. It is recommended that only the safety protocol version 2 compliant products are used.

8.2 Change of Cyclic Transmission Points

Product	Model to be discontinued (safety protocol version 1)		Alternative model (safety protocol version 2)	
	Model	RWr/RWw points	Model	RWr/RWw points
Main safety input module	NZ2GFSS2-32D	16	NZ2GFSS2-32D-S1	32
Main safety I/O combined module	NZ2GFSS2-16DTE	20	NZ2GFSS2-16DTE-S1	
Main safety input module	NZ2GFSS2-8D		NZ2GFSS2-8D-S1	
Main safety output module	NZ2GFSS2-8TE		NZ2GFSS2-8TE-S1	

The cyclic transmission points differ. Follow the steps below to change settings in the GX Works3 [Network Configuration Settings].

1. Register the profile of the safety protocol version 2 compliant product (last part of the model name: S1) to the GX Works3.
2. In the network configuration settings window, change the current model name to the safety protocol version 2 compliant product name (last part of the model name: S1).
3. Change the RWr/RWw settings.
4. If RWr/RWw are used in your programs, change the settings in accordance with the setting assignment.

FA-A-0455-A

8.3 Restrictions on Connection with Simple Motion Modules

Simple motion modules do not support the safety protocol version 2. On the CC-Link IE Field Network system with a simple motion module connected to a safety remote I/O module, there is no available alternative model.

Consider replacing the entire system with the CC-Link IE TSN system.

Replacing the entire system with the CC-Link IE TSN system makes it possible to use a servo amplifier without an option module, which lowers equipment costs and saves space. The alternative models also have improved functionality and performance.

For more information, please consult your local Mitsubishi Electric sales office or representative.

Before replacement

■ CC-Link IE Field Network system with a simple motion module connected to a safety remote I/O module



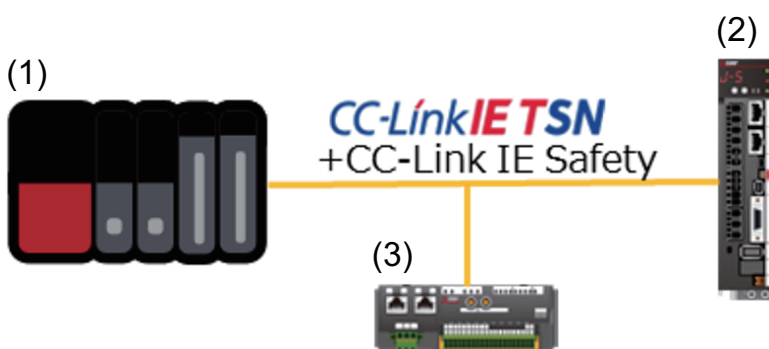
(1) Safety CPU + Simple motion module (RD77GF4, RD77GF8, RD77GF16, RD77GF32)

(2) MR-J4-GF-RJ + D30

(3) Safety remote I/O module (NZ2GFSS2-□□)

After replacement

■ CC-Link IE TSN system



(1) Safety CPU + Motion module (RD78G)

(2) MR-J5-G-HS/MR-J5-G-RJ

(3) Safety remote I/O module (NZ2GNSS2-□□)

Point

- Using the motion module in the simple motion mode facilitates program transition.
- The safety level is the same as before replacement. (IEC61508 (SIL3), ISO13849-1 (Category 4, PL_e))

9 REPLACEMENT PROCEDURES

This chapter describes the procedures for replacing discontinued models with alternative models.

9.1 Comparison of Specifications

The safety protocol version is different and the RWw/RWr points are increased.

Item	Model to be discontinued		Alternative models	
	NZ2GFSS2-32D + NZ2EXSS2-8TE	NZ2GFSS2-16DTE, NZ2GFSS2-8D, NZ2GFSS2-8TE	NZ2GFSS2-32D-S1 + NZ2EXSS2-8TE	NZ2GFSS2-16DTE-S1, NZ2GFSS2-8D-S1, NZ2GFSS2-8TE-S1
Number of input/output points (double wiring)	Input: 16 Output: 4	Input: 4 Output: 4	Input: 16 Output: 4	Input: 4 Output: 4
RX/Ry points	80		80	
RWr/RWw points	16	20 ^{*1}	32	32 ^{*1}
SA/X/SA/Y points	48	32	48	32
Safety protocol version	1		2	

*1 With the increase in the RWw/RWr points, device numbers assigned to a remote register for each function are changed. For details, refer to the following list.

Item	Model to be discontinued		Alternative models
	NZ2GFSS2-16DTE, NZ2GFSS2-8D, NZ2GFSS2-8TE		NZ2GFSS2-16DTE-S1, NZ2GFSS2-8D-S1, NZ2GFSS2-8TE-S1
Output Y ON information (extension output 1st level)	RWr10		RWr1C
Output Y ON information clear request (1st level)	RWw10		RWw1C
Output Y OFF information (extension output 1st level)	RWr13		RWr1F
Output Y OFF information clear request (1st level)	RWw13		RWw1F

FA-A-0455-A

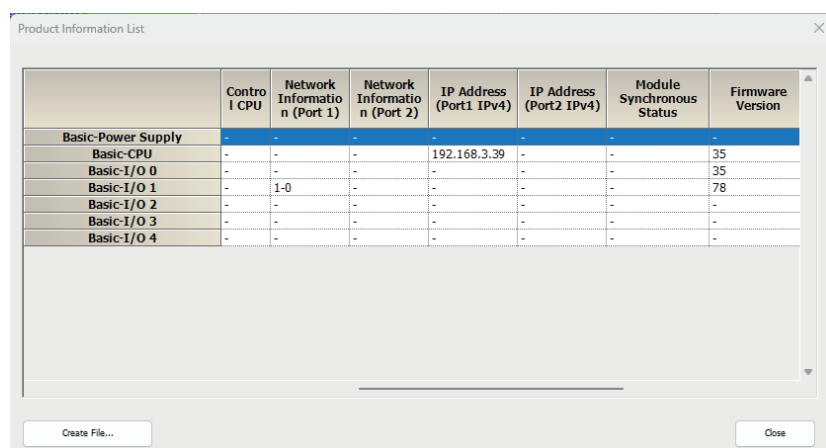
9.2 Advance Preparation

Prepare a module and software that complies with the safety protocol version 2.

Module			Software
R08SFCPU, R16SFCPU, R32SFCPU, R120SFCPU	R6SFM	RJ71GF11-T2	GX Works3
Ver. 29 or later	Ver. 29 or later	Ver. 70 or later	1.095Z or later

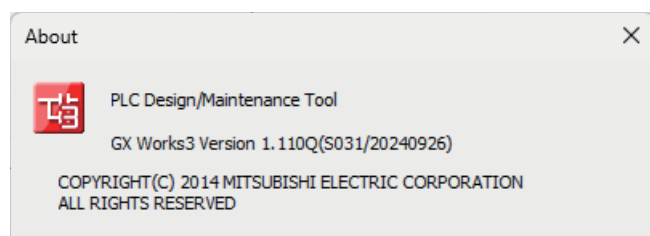
The firmware version can be checked on the [Product Information List] in the GX Works3.

 [Diagnostics] → [System Monitor] → [Product Information List]



The GX Works3 version can be checked on the [Version Information] in the GX Works3.

 [Help] → [Version Information]



When the GX Works3 version is Ver.1.095Z to 1.101F, profile registration is required.

 Page 8 Profile registration

When the GX Works3 version is Ver.1.105K or later, go to Page 9 Replacement of the Actual Safety Remote I/O Module profile because registration has been completed.

FA-A-0455-A

Profile registration

Getting profiles of the alternative model

Please contact your local Mitsubishi Electric sales office or representative.

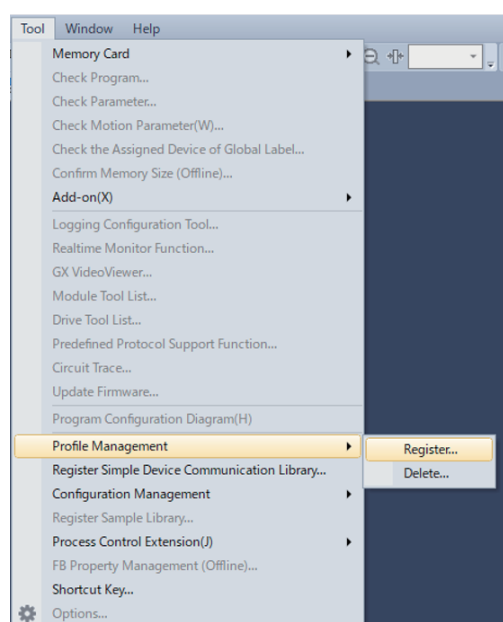
The target profiles are listed below.

- Profile for the NZ2GFSS2-32D-S1
- Profile for the NZ2GFSS2-16DTE-S1
- Profile for the NZ2GFSS2-8D-S1
- Profile for the NZ2GFSS2-8TE-S1

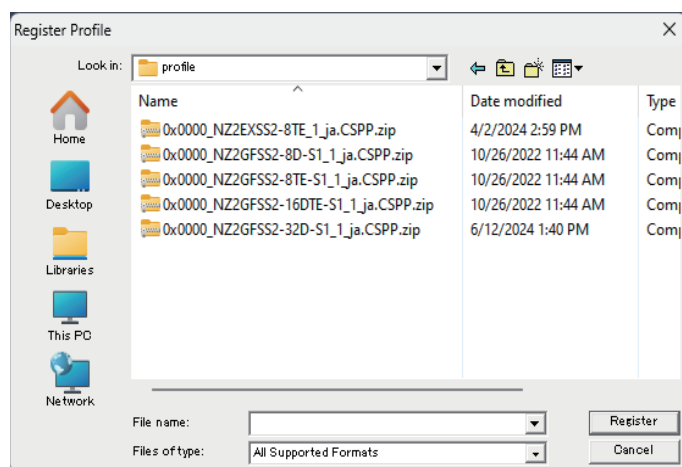
Profile registration

1. Start the GX Works3 anew. (If there are any other GX Works3 programs running, close them all.)
2. Select Profile Management to open the profile registration window.

 [Tool] → [Profile Management] → [Register...]



3. On the profile registration window, select the downloaded profile of the alternative model to register.



FA-A-0455-A

9.3 Replacement of the Actual Safety Remote I/O Module

Follow the steps below to replace the discontinued model with the alternative model.

1. Turn off the 24VDC power supply of the safety control system (safety CPU and safety remote I/O module).

Turn off the module power supply and external power supply.

2. Remove the terminal block (actually wired parts) of the discontinued model.
3. Replace the discontinued model with the alternative model complied with the safety protocol version 2.
4. Mount the removed terminal block to the alternative model.

Be careful not to misplace the terminal block.



Pay special attention to the NZ2GFSS2-32D because the model has three terminal blocks.

5. For the number of models to be replaced, perform steps 2 through 4.

9.4 Change of Parameter Settings

Open the target projects and change settings.

The following items should be changed for parameter settings.

Module		Item	Change details
Master station	Safety CPU	General parameters	No change required
		Device configuration settings	No change required
		Safety parameters	No change required
	Master module	Network configuration setting	Model name, RWW/RWR assignment
		Refresh settings	Device assignment with RWW/RWR assignment
		Safety communication settings	Safety protocol version settings
Safety remote I/O module		Parameter processing	Writing parameters for each alternative model

FA-A-0455-A

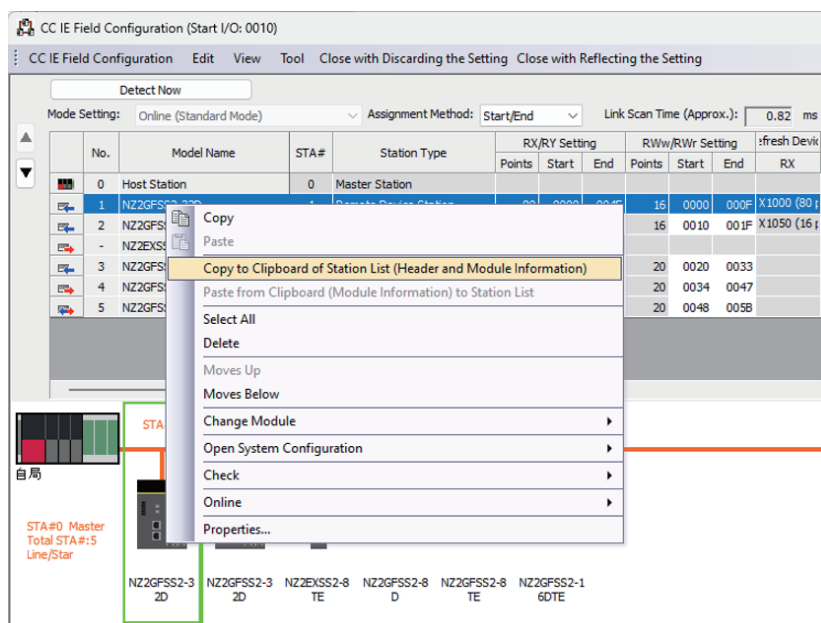
Network configuration setting

This section describes how to change the network configuration (model name and RWw/RWr assignment) all at once using spreadsheet software.

1. Open the network configuration setting window.

☞ [0010: RJ71GF11-T2] → [Basic Setting] → [Network Configuration Setting]

2. Select [Copy to Clipboard of Station list (Header and Module Information)].



3. Open spreadsheet software and select all the cells. Then, change the cell format to string.

4. Paste the data.

No.	Model Name	STA#	RX/Ry Setting			RWw/RWr Setting			Refresh Device		Reserved/Pairing	Network S/ Alias	Comment	Station-specific mode setting
			Points	Start	End	Points	Start	End	RX	RY				
0	Host Station	0	Master Station											
1	NZ2GFSS2	1	Remote De	80	0 004F	16	0 000F		X1000 (80	Y1000 (80	W0 (16	pxW1000 (16	No Setting	Asynchronous
2	NZ2GFSS2	2	Remote De	80	50 008F	16	10 001F		X1050 (16	Y1050 (16	W10 (16	pxW1010 (16	No Setting	Asynchronous
3	NZ2GFSS2	3	Remote De	80	00A0	20	00EF	33			W20 (20	pxW1020 (20	No Setting	Asynchronous
4	NZ2GFSS2	4	Remote De	80	00F0	20	013F	47			W34 (20	pxW1034 (20	No Setting	Asynchronous
5	NZ2GFSS2	5	Remote De	80	140 018F	20	48 005B				W48 (20	pxW1048 (20	No Setting	Asynchronous

FA-A-0455-A

5. Change the model names to the alternative model names, and change the assignment of the RWw/RW_r setting so that the number of points is 32.

Before change

No.	Model Name	STA#	RX/Ry Setting				RWw/RW _r Setting				Refresh Device		Reserved/Pairing	Network S:Alias	Comment	Station-specific mode setting
			Station Ty	Points	Start	End	Points	Start	End	RX	RY					
0	Host Station	0	Master Station													
1	NZ2GFSS2-32D	1	Remote De	80	0 004F		16	0 000F		X1000 (80 Y1000 (80 W0 (16 poi W1000 (16 No Setting		Asynchronous				
2	NZ2GFSS2-32D	2	Remote De	80	50 008F		16	10 001F		X1050 (16 Y1050 (16 W10 (16 pcW1010 (16 No Setting		Asynchronous				
-	NZ2EXSS2-8TE	-	-	-	-	-	-	-	-	-	-	-	Asynchronous			
3	NZ2GFSS2-8D	3	Remote De	80 00A0	00EF		20	20	33			W20 (20 pcW1020 (20 No Setting	Asynchronous			
4	NZ2GFSS2-8TE	4	Remote De	80 00F0	013F		20	34	47			W34 (20 pcW1034 (20 No Setting	Asynchronous			
5	NZ2GFSS2-16DTE	5	Remote De	80	140 018F		20	48 005B				W48 (20 pcW1048 (20 No Setting	Asynchronous			

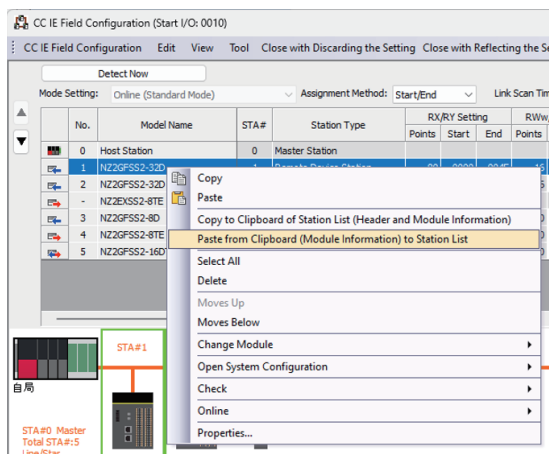
↓
After change

No.	Model Name	STA#	RX/R _y Setting				RWw/RW _r Setting				Refresh Device		Reserved/Pairing	Network S/Alias	Comment	Station-specific mode setting
			Station Type	Points	Start	End	Points	Start	End	RX	RY	RWw				
0 Host Station			0 Master Station													
1	NZ2GFSS2-32D-S1	1	Remote De	80	0 004F		32	0 1f	X1000 (80	Y1000 (80	W0 (16 poi	W1000 (16	No Setting	Asynchronous		
2	NZ2GFSS2-32D-S1	2	Remote De	80	50 008F		32	20 3f	X1050 (16	Y1050 (16	W10 (16 pc	W1010 (16	No Setting	Asynchronous		
-	NZ2EXSS2-8TE	-	-	-	-	-	-	-	-	-	-	-	-	Asynchronous		
3	NZ2GFSS2-8D-S1	3	Remote De	80 00A0	00EF		32	40 5f			W20 (20 pc	W1020 (20	No Setting	Asynchronous		
4	NZ2GFSS2-8TE-S1	4	Remote De	80 00F0	013F		32	60 7f			W34 (20 pc	W1034 (20	No Setting	Asynchronous		
5	NZ2GFSS2-16DTE-S1	5	Remote De	80	140 018F		32	80 9f			W48 (20 pc	W1048 (20	No Setting	Asynchronous		

6. Select the data for the own station through the data for the last station and copy the data.

No.	Model Name	STA#	RX/R _y Setting				RWw/RW _r Setting				Refresh Device		Reserved/Pairing	Network S/Alias	Comment	Station-specific mode setting
			Station Type	Points	Start	End	Points	Start	End	RX	RY	RWw				
0	Host Station	0	Master Station													
1	NZ2GFSS2-32D-S1	1	Remote De	80	0 004F	32	0 1f	X1000 (80 Y1000 (80 W0 (16 poi W1000 (16 No Setting					Asynchronous			
2	NZ2GFSS2-32D-S1	2	Remote De	80	50 008F	32	20 3f	X1050 (16 Y1050 (16 W10 (16 pcW1010 (16 No Setting					Asynchronous			
-	NZ2EXSS2-8TE	-	-	-	-	-	-	-	-	-	-	-	-	Asynchronous		
3	NZ2GFSS2-8D-S1	3	Remote De	80 00A0	00EF	32	40 5f			W20 (20 pcW1020 (20 No Setting			Asynchronous			
4	NZ2GFSS2-8TE-S1	4	Remote De	80 00F0	013F	32	60 7f			W34 (20 pcW1034 (20 No Setting			Asynchronous			
5	NZ2GFSS2-16DTE-S1	5	Remote De	80	140 018F	32	80 9f			W48 (20 pcW1048 (20 No Setting			Asynchronous			

7. Click on [Paste from Clipboard (Module Information) to Station List] in the network configuration window.



FA-A-0455-A

8. Confirm that the alternative models are displayed on the network configuration window, and then click on [Close with Reflecting the Setting].

CC IE Field Configuration (Start I/O: 0010)

CC IE Field Configuration Edit View Tool Close with Discarding the Setting **Close with Reflecting the Setting**

Detect Now

Mode Setting: Online (Standard Mode) Assignment Method: Start/End Link Scan Time (Approx.): 0.84 ms

	No.	Model Name	STA #	Station Type	RX/RX Setting			RWw/RWw Setting			RX
					Points	Start	End	Points	Start	End	
	0	Host Station	0	Master Station							
	1	NZ2GFSS2-32D-S1	1	Remote Device Station	80	0000	004F	32	0000	001F	X1000 (80 points)
	2	NZ2GFSS2-32D-S1	2	Remote Device Station	80	0050	009F	32	0020	003F	X1050 (16 points)
	-	NZ2EXSS2-8TE	-	-							
	3	NZ2GFSS2-8D-S1	3	Remote Device Station	80	00A0	00EF	32	0040	005F	
	4	NZ2GFSS2-8TE-S1	4	Remote Device Station	80	00F0	013F	32	0060	007F	
	5	NZ2GFSS2-16DTE-S1	5	Remote Device Station	80	0140	018F	32	0080	009F	



For the replacement procedure without clipboards, refer to the following.

☞ Page 21 Replacement Procedure Without Clipboards

FA-A-0455-A

Refresh settings

Follow the steps below to assign the increased number of RWw/RWr points on the network configuration setting to the CPU device.

1. Open the refresh setting window.

☞ [0010: RJ71GF11-T2] → [Basic Setting] → [Refresh Settings]

2. Perform the link side assignment to meet the number of RWw/RWr points.
Before change

PRG] [... 0010:RJ71GF11-T2 Module Para... X

Setting Item

No.	Link Side					CPU Side				
	Device Name	Points	Start	End		Target	Device Name	Points	Start	End
-	SB	512	00000	001FF	↔	Specify Device	SB	512	00000	001FF
-	SW	512	00000	001FF	↔	Specify Device	SW	512	00000	001FF
1	RX	96	00000	0005F	↔	Specify Device	X	96	01000	0105F
2	RY	96	00000	0005F	↔	Specify Device	Y	96	01000	0105F
3	RWw	92	00000	0005B	↔	Specify Device	W	92	00000	0005B
4	RWr	92	00000	0005B	↔	Specify Device	W	92	01000	0105B
5					↔					

↓
After change

PRG] [... 0010:RJ71GF11-T2 Module Para... X

Setting Item

No.	Link Side					CPU Side				
	Device Name	Points	Start	End		Target	Device Name	Points	Start	End
-	SB	512	00000	001FF	↔	Specify Device	SB	512	00000	001FF
-	SW	512	00000	001FF	↔	Specify Device	SW	512	00000	001FF
1	RX	96	00000	0005F	↔	Specify Device	X	96	01000	0105F
2	RY	96	00000	0005F	↔	Specify Device	Y	96	01000	0105F
3	RWw	160	00000	0009F	↔	Specify Device	W	160	00000	0009F
4	RWr	160	00000	0009F	↔	Specify Device	W	160	01000	0109F
5										

In the network configuration window, check if the number of points is appropriate for the RWw/RWr point range.

CC IE Field Configuration (Start I/O: 0010)

CC IE Field Configuration Edit View Tool Close with Discarding the Setting Close with Reflecting the Setting

Detect Now

Mode Setting: Online (Standard Mode) Assignment Method: Start/End Link Scan Time (Approx.): 0.84 ms


No.	Model Name	STA#	Station Type	RX/RX Setting			RWw/RWr Setting			RX
				Points	Start	End	Points	Start	End	
0	Host Station	0	Master Station							
1	NZ2GFS2-32D-S1	1	Remote Device Station	80	0000	004F	32	0000	001F	X1000 (80 points)
2	NZ2GFS2-32D-S1	2	Remote Device Station	80	0050	009F	32	0020	003F	X1050 (16 points)
-	NZ2EXS2-8TE	-	-							
3	NZ2GFS2-8D-S1	3	Remote Device Station	80	00A0	00EF	32	0040	005F	
4	NZ2GFS2-8TE-S1	4	Remote Device Station	80	00F0	013F	32	0060	007F	
5	NZ2GFS2-16DTE-S1	5	Remote Device Station	80	0140	018F	32	0080	009F	

FA-A-0455-A

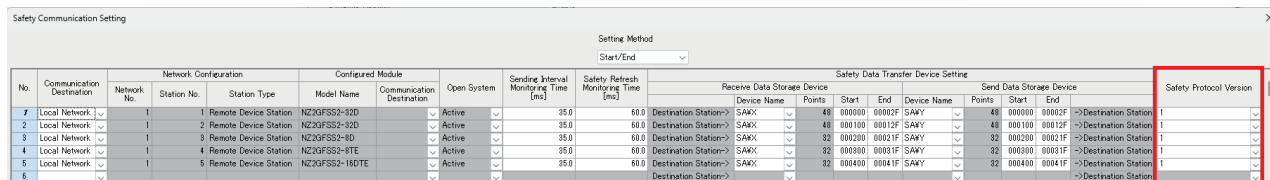
Safety communication settings

Follow the steps below to change the safety protocol version of the safety communication setting of the alternative model to 2.

1. Change the safety communication setting of the master module.

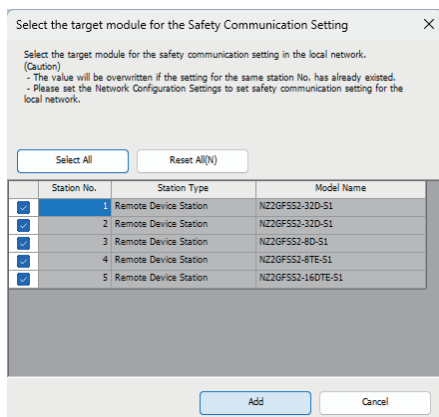
 [0010: RJ71GF11-T2] → [Application Setting] → [Safety Communication Setting <Detailed Setting>]

2. To change the network configuration modules, select [Own network] from the pull-down menu of the [Communication Destination] blank field.



No.	Communication Destination	Network No.	Station No.	Station Type	Model Name	Communication Destination	Open System	Sending Interval Monitoring Time [ms]	Safety Refresh Monitoring Time [ms]	Receive Data Storage Device	Send Data Storage Device	Safety Protocol Version
1	Local Network	1	1	Remote Device Station	NZ2GFSS2-32D-S1	Active	35.0	60.0	Destination Station->	SAKX	48 000000 00002F SAKY	1
2	Local Network	1	2	Remote Device Station	NZ2GFSS2-32D-S1	Active	35.0	60.0	Destination Station->	SAKX	48 000100 00012F SAKY	1
3	Local Network	1	3	Remote Device Station	NZ2GFSS2-4D-S1	Active	35.0	60.0	Destination Station->	SAKX	32 000200 00021F SAKY	1
4	Local Network	1	4	Remote Device Station	NZ2GFSS2-8TE-S1	Active	35.0	60.0	Destination Station->	SAKX	32 000300 00031F SAKY	1
5	Local Network	1	5	Remote Device Station	NZ2GFSS2-16DTE-S1	Active	35.0	60.0	Destination Station->	SAKX	32 000400 00041F SAKY	1

3. Once the [Select the target module for the Safety Communication Setting] window is displayed, select the alternative model name to add.



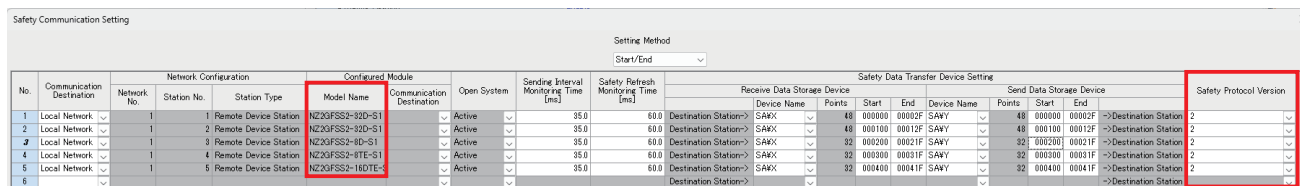
Select the target module for the safety communication setting in the local network.
(Caution)
- The value will be overwritten if the setting for the same station No. has already existed.
- Please set the Network Configuration Settings to set safety communication setting for the local network.

Select All Reset All(N)

Station No.	Station Type	Model Name
<input checked="" type="checkbox"/> 1	Remote Device Station	NZ2GFSS2-32D-S1
<input checked="" type="checkbox"/> 2	Remote Device Station	NZ2GFSS2-32D-S1
<input checked="" type="checkbox"/> 3	Remote Device Station	NZ2GFSS2-4D-S1
<input checked="" type="checkbox"/> 4	Remote Device Station	NZ2GFSS2-8TE-S1
<input checked="" type="checkbox"/> 5	Remote Device Station	NZ2GFSS2-16DTE-S1

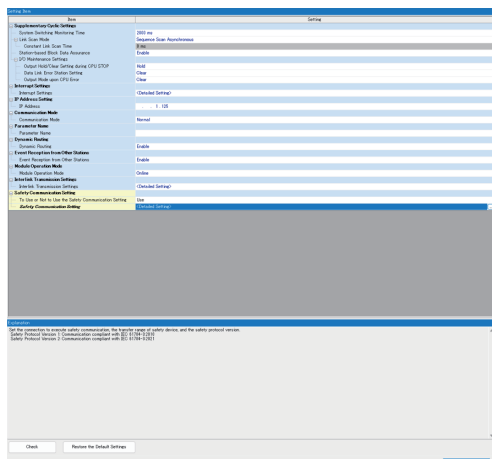
Add Cancel

4. Confirm that the correct model name is displayed, and then change the safety protocol version to 2.




No.	Communication Destination	Network No.	Station No.	Station Type	Model Name	Communication Destination	Open System	Sending Interval Monitoring Time [ms]	Safety Refresh Monitoring Time [ms]	Receive Data Storage Device	Send Data Storage Device	Safety Protocol Version
1	Local Network	1	1	Remote Device Station	NZ2GFSS2-32D-S1	Active	35.0	60.0	Destination Station->	SAKX	48 000000 00002F SAKY	2
2	Local Network	1	2	Remote Device Station	NZ2GFSS2-32D-S1	Active	35.0	60.0	Destination Station->	SAKX	48 000100 00012F SAKY	2
3	Local Network	1	3	Remote Device Station	NZ2GFSS2-4D-S1	Active	35.0	60.0	Destination Station->	SAKX	32 000200 00021F SAKY	2
4	Local Network	1	4	Remote Device Station	NZ2GFSS2-8TE-S1	Active	35.0	60.0	Destination Station->	SAKX	32 000300 00031F SAKY	2
5	Local Network	1	5	Remote Device Station	NZ2GFSS2-16DTE-S1	Active	35.0	60.0	Destination Station->	SAKX	32 000400 00041F SAKY	2

5. Click on [Apply] to apply the module parameter settings of the master station.



Check Restore the Default Settings Apply

6. Perform writing to PLC to make the safety remote I/O module recognized by the safety CPU.

 [Online] → [Write to PLC]

FA-A-0455-A

Module parameter setting

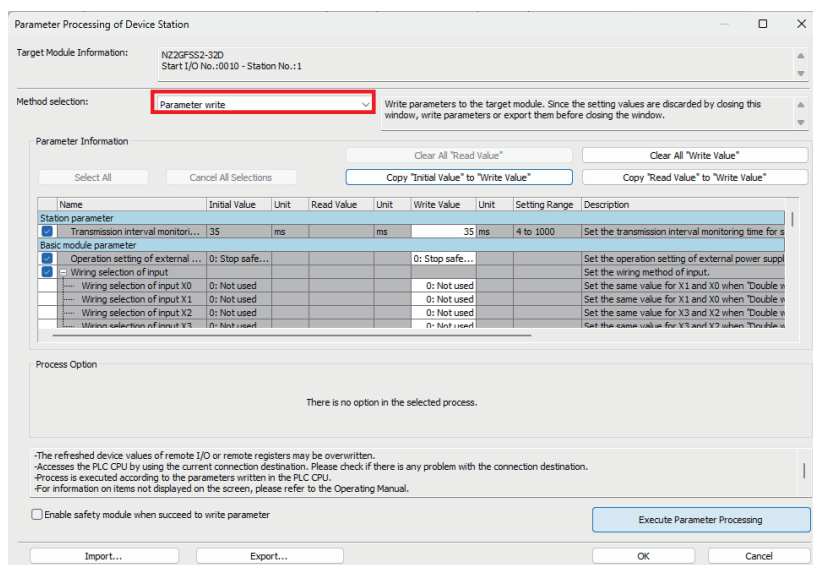
Follow the steps below to write the module parameters of the safety remote I/O module.

1. Open the network configuration setting window.

☞ [0010: RJ71GF11-T2] → [Basic Setting] → [Network Configuration Setting]

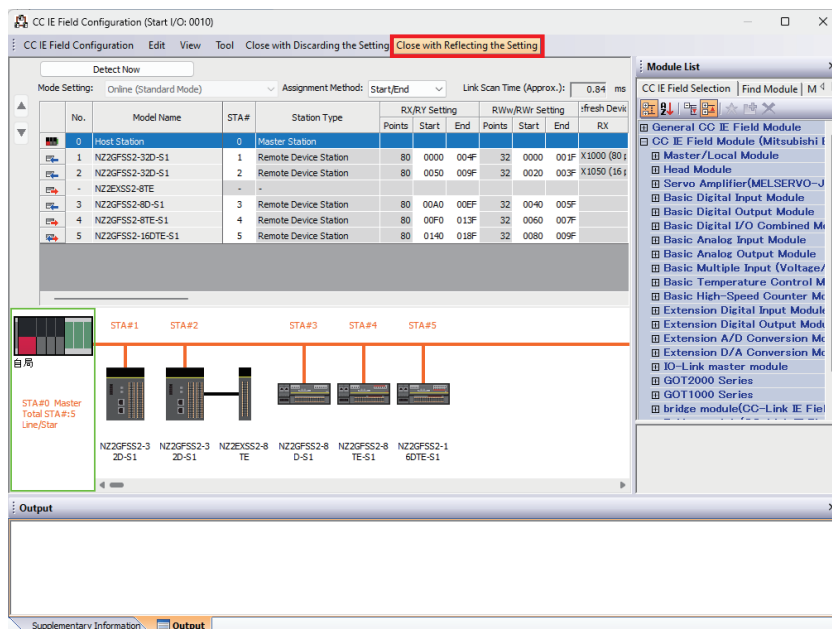
2. Perform the parameter input and parameter write.

☞ [Network Configuration] window → [Parameter Processing of Device Station] → [Method selection: Parameter write]



3. Perform the step 2 for all replaced modules.

4. Click on [Close with Reflecting the Setting] in the network configuration window.



FA-A-0455-A

9.5 Device Change in Programs

Devices used in programs should be changed.

The device change procedure is described below using the case of the NZ2GFSS2-16DTE + NZ2EX-16(DO) as an example. In the settings before module replacement, output Y ON information (RWr58) is assigned to W58 and output Y OFF information (RWr5B) is assigned to W5B.

After module replacement, however, W58 and W5B will be used for another refresh device. Thus, the information assigned to W58 and W5B needs to be assigned to the numbers of a new device.

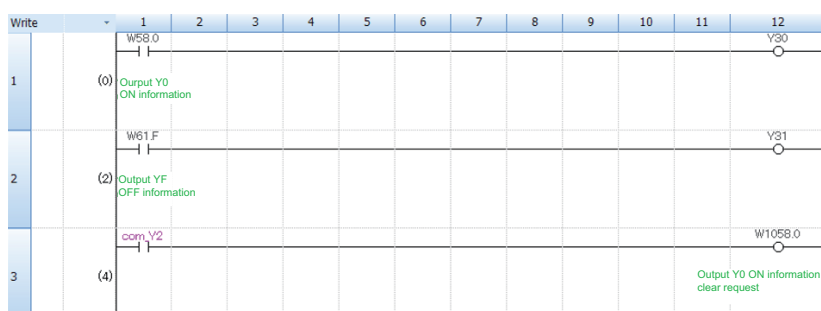
Before module replacement

No.	Model Name	STA#	Station Type	RX/Ry Setting			RWw/RWr Setting			Refresh Device
				Points	Start	End	Points	Start	End	RX
0	Host Station	0	Master Station							
1	NZ2GFSS2-32D	1	Remote Device Station	80	0000	004F	16	0000	000F	X1000 (80)
2	NZ2GFSS2-32D	2	Remote Device Station	80	0050	009F	16	0010	001F	X1050 (16)
3	NZ2GFSS2-8D	3	Remote Device Station	80	00A0	00EF	20	0020	0033	
4	NZ2GFSS2-8TE	4	Remote Device Station	80	00F0	013F	20	0034	0047	
5	NZ2GFSS2-16DTE	5	Remote Device Station	80	0140	018F	20	0048	005B	

↓
After module replacement

No.	Model Name	STA#	Station Type	RX/Ry Setting			RWw/RWr Setting			Refresh Device
				Points	Start	End	Points	Start	End	RX
0	Host Station	0	Master Station							
1	NZ2GFSS2-32D-S1	1	Remote Device Station	80	0000	004F	32	0000	001F	X1000 (80)
2	NZ2GFSS2-32D-S1	2	Remote Device Station	80	0050	009F	32	0020	003F	X1050 (16)
3	NZ2GFSS2-8D-S1	3	Remote Device Station	80	00A0	00EF	32	0040	005F	
4	NZ2GFSS2-8TE-S1	4	Remote Device Station	80	00F0	013F	32	0060	007F	
5	NZ2GFSS2-16DTE-S1	5	Remote Device Station	80	0140	018F	32	0080	009F	

Program example using output Y ON information




When the NZ2GFSS2-16DTE + NZ2EX-16(DO) are replaced to the NZ2GFSS2-16DTE-S1 + NZ2EX-16(DO), the remote register device numbers to which each function is assigned are changed as follows.

Item	NZ2GFSS2-16DTE	NZ2GFSS2-16DTE-S1
Start number of RWr	RWr48	RWr80
Output Y ON information	RWr58 (RWr48 + 10)	RWr9C (RWr80 + 1C)
Output Y OFF information	RWr5B (RWr48 + 13)	RWr9F (RWr80 + 1F)

When using the device batch replacement function

This section describes how to change device numbers in programs using the device batch replacement function.

 [Find and Replace] → [Device Batch Replace]

Find and Replace

Device Batch Replace ▾

(Entire Projects)

Find Target(B) ▾

Find Device	Replace Device	Points	Point Format
W58	W9C	4	DEC ▾
W1058	W109C	4	DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾
			DEC ▾

Replace All

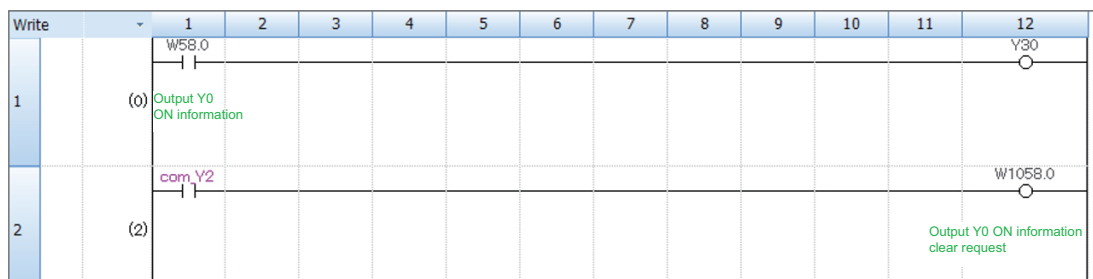
Clear All

- Replace Options

Device CommentNot to Chang ▾

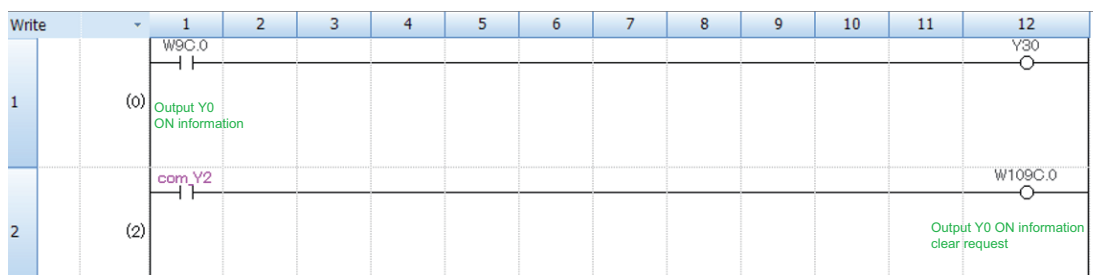
1. Input the device number before replacement to the Find Device column and the device number after replacement to the Replace Device column.
2. Enter the number of points to be changed to the Points field.
3. Select "Move" for the device comment.
4. Click on [Replace All]. Then, confirm that the replacement is completed in the program.

Before replacement



↓


After replacement



FA-A-0455-A

When using the device/label replacement function.

The following is the procedure to change device numbers in program using device/label replacement function.

 [Find and Replace] → [Replace device/Label]

Find and Replace

Replace Device/Label (Entire Projects)

Find Target(B)

Find Device/Label W58

Replace Device/Label W9C

Find Next All Find

Replace Replace All

- Find/Replace Options

Find

Find Direction Down

Device Point 4 DEC

☐ Digit

☐ Multiple Word

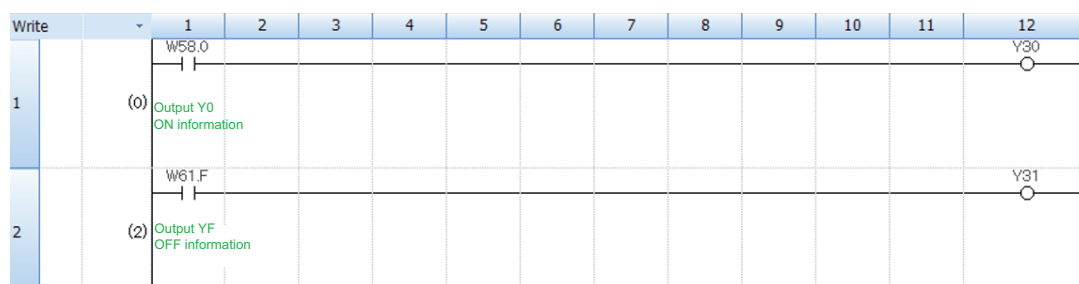
☐ Partial Match with Element of FB/Structure Data Type

Replace

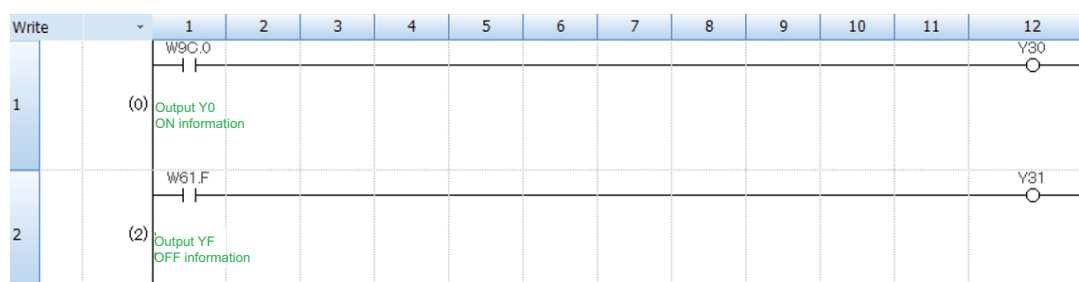
Device Comment Move

1. Select the device number before replacement in the Find Device/Label field, and select the device number after replacement in the Replace Device/Label field.
2. Enter the number of points to be changed to the Device Point field.
3. Select "Move" for the device comment.
4. Click on [Replace All]. Then, confirm that the replacement is completed in the program.

Before replacement




↓
After replacement



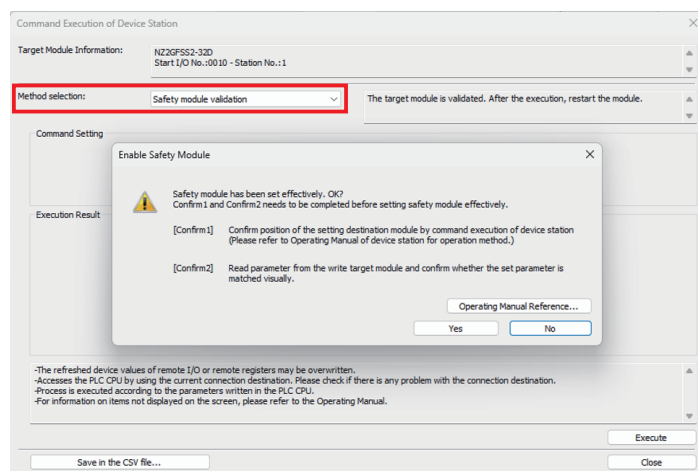
FA-A-0455-A

9.6 Safety Module Validation

The following shows the procedure to valid the module parameters of the safety remote I/O module.

1. Click on [Apply] to apply the module parameter settings of the master station.
 2. Perform writing to PLC.
-  [Online] → [Write to PLC]
3. Reset the safety control system (safety CPU and safety remote I/O module).
 4. Perform validation of the safety module in the network configuration setting window.

After that, the safety remote I/O module should be restarted.

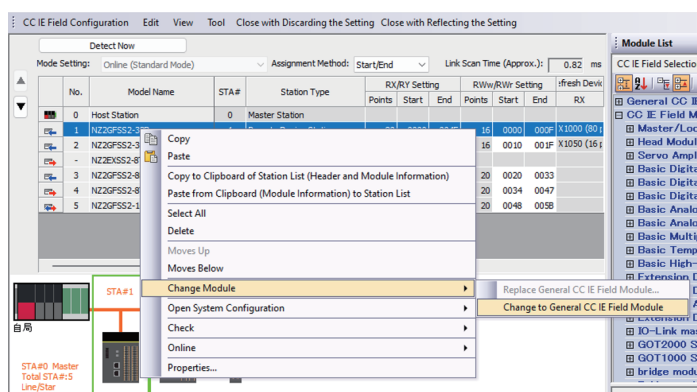


FA-A-0455-A

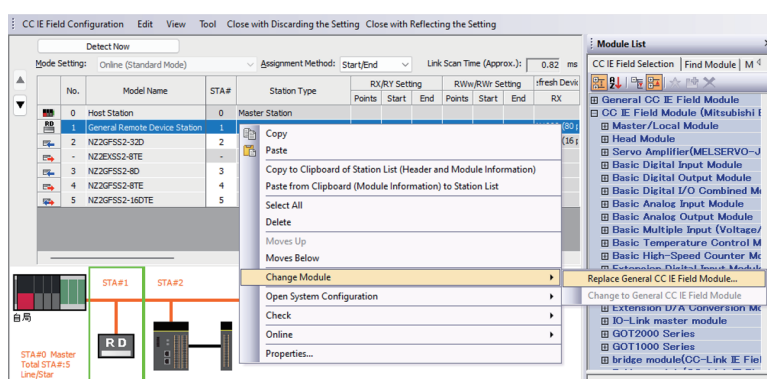
10 APPENDIX

10.1 Replacement Procedure Without Clipboards

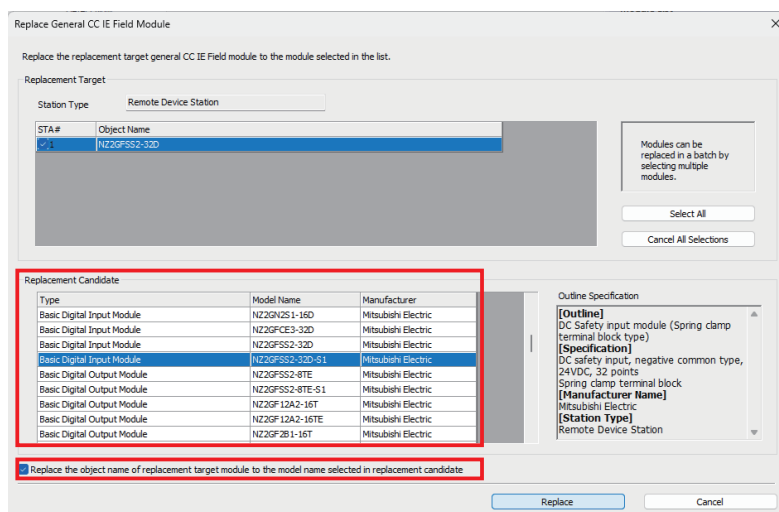
1. Right click on the target model name. Click on [Change Module] → [Change to General CC IE Field Module].



2. Right click on the CC IE Field module and select [Replace General CC IE Field Module...].



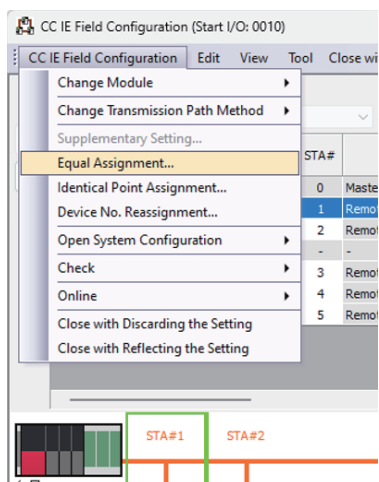
3. Click on the target model name from the replacement candidate list.
4. Select "Replace the object name of replacement target module to the model name selected in replacement candidate", and click on [Replace].



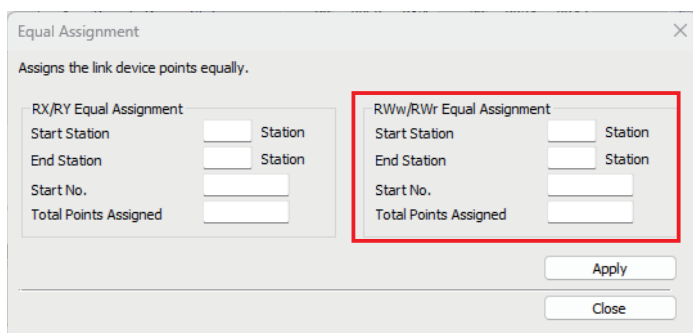
FA-A-0455-A

RWw/RWr automatic assignment setting

1. Click on [CC IE Field Configuration] in the Network Configuration window, and then click on [Equal Assignment...].



2. Change the safety remote I/O points to 32 points in the RWw/RWr Equal Assignment field. Enter 32 points multiplied by the number of stations, and then click on [Apply].



FA-A-0455-A

REVISIONS

Version	Date of Issue	Revision
A	September 2025	First edition

TRADEMARKS

The company names, system names, and product names mentioned in this technical bulletin are either registered trademarks or trademarks of their respective companies.

In some cases, trademark symbols such as '™' or '®' are not specified in this technical bulletin.