

Programmable Controllers

Issue Date
March 1, 2022
No. 2022014CE

Discontinuation Notice of Programmable Controllers NSJ series.

Product Discontinuation

Programmable Controllers

Model NSJ[]-T[][](B)-G5D



Expansion Units

Model NSJW-CLK21-V1

Model NSJW-ETN21

Expansion Units

Model NSJW-IC101



Recommended Replacement

It is necessary to build a system with Programmable Terminal NA series and Programmable Controller CJ series.

Model NA5-[]W[]01[]-V1

Programmable Controllers

Model CJ2M-CPU35

Model CJ1W-DRM21

Model CJ1W-PD022

CPU Bus Units

Model CJ1W-CLK23

Model CJ1W-ETN21

I/O Control Units

Model CJ1W-IC101

[Final order entry date]

The end of April, 2022

[Date of The Last Shipping]

The end of June, 2023

[Scheduled date of maintenance close]

The end of March, 2029

[Caution on recommended replacement]

The recommended replacement products are products in which the HMI part, PLC CPU part and DeviceNet part of the NSJ series are independent. If the NA series is installed at the NSJ installation location, a new space for installing the CJ series will be required.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
NA series (NA5-7W/9W/12W) CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022	--	--	--	--	--	--	--

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]
Programmable Controllers

Product discontinuation	Recommended replacement
NSJ5-TQ11-G5D	NA5-7W001S-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ5-TQ11B-G5D	NA5-7W001B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ8-TV01-G5D	NA5-9W001S-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ8-TV01B-G5D	NA5-9W001B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ10-TV01-G5D	NA5-12W101S-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ10-TV01B-G5D	NA5-12W101B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ12-TS01-G5D	NA5-12W101S-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
NSJ12-TS01B-G5D	NA5-12W101B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022

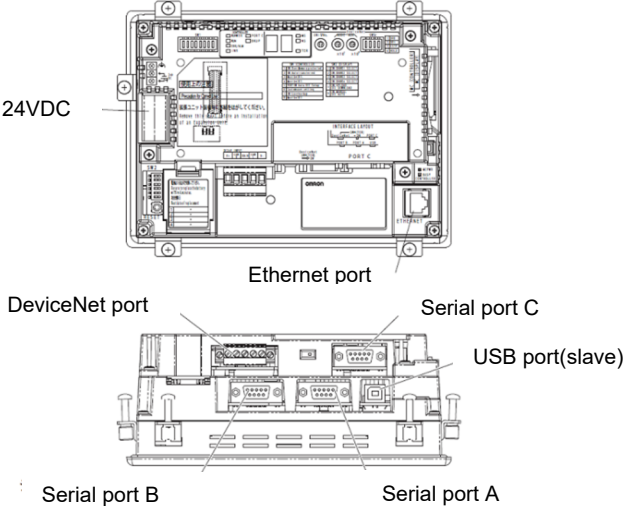
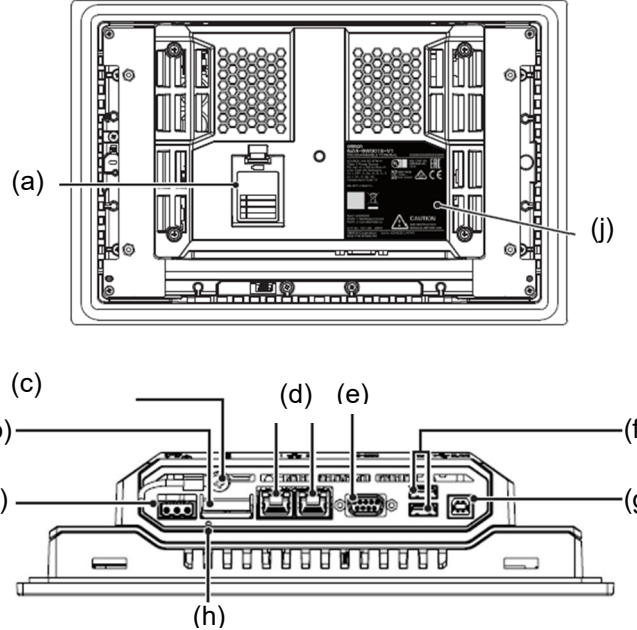
Expansion Units

Product discontinuation	Recommended replacement
NSJW-CLK21-V1	CJ1W-CLK23
NSJW-ETN21	CJ1W-ETN21
NSJW-IC101	CJ1W-IC101

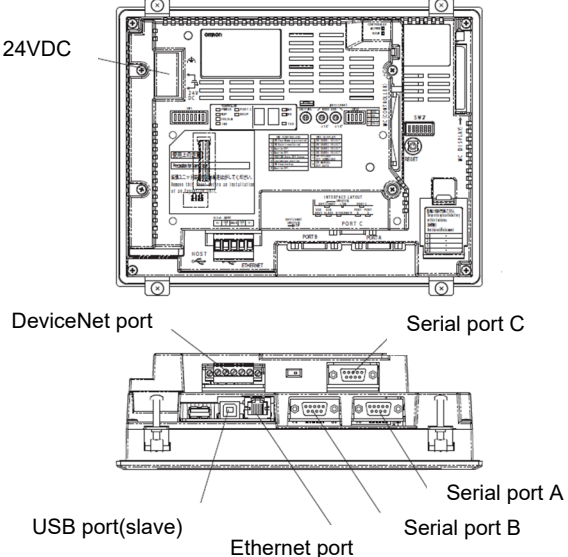
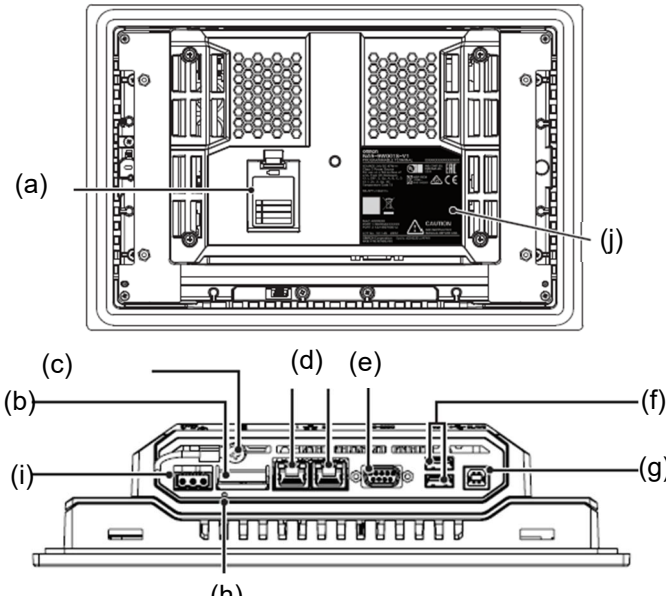
[Body color]

Product discontinuation Model NSJ□-T□□□(B)-G5D	Recommendable replacement Model NA5-□W□□□□-V1
Ivory: NSJ□-T□□□-G5D Black: NSJ□-T□□□B-G5D	Silver: NA5-□W□□□S-V1 Black: NA5-□W□□□B-V1

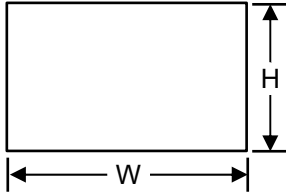
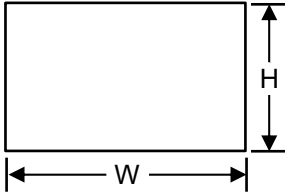
[Wire connection]

Product discontinuation NSJ5-T□□□(B)-G5D	Recommendable replacement NA5-7W001S/B-V1, CJ2M-CPU35, CJ1W-DRM21, CJ1W-PD022
<p>NSJ5-T□□□(B)-G5D</p> 	<p>NA5-7W001S/B-V1</p>  <p>(a) Battery cover (b) SD card slot (c) Protective grounding terminal (d) Ethernet port (e) Serial port (for future expansion) (f) USB port (host) (g) USB port (slave) (h) Reset switch (i) 24 VDC (j) Identification label</p> <p>CJ2M-CPU35, CJ1W-DRM21 and CJ1W-PD022 need new design.</p>

[Wire connection]

<p>Product discontinuation NSJ8/10/12-T□□□(B)-G5D</p>	<p>Recommendable replacement NA5-9W001/12W101S/B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022</p>
<p>NSJ8/10/12-T□□□(B)-G5D</p>  <p>24VDC</p> <p>DeviceNet port</p> <p>Serial port C</p> <p>Serial port A</p> <p>Serial port B</p> <p>USB port(slave)</p> <p>Ethernet port</p>	<p>NA5-9W001/12W101S/B-V1</p>  <p>(a) (b) (c) (d) (e) (f) (g) (h) (i) (j)</p> <p>(a) Battery cover (b) SD card slot (c) Protective grounding terminal (d) Ethernet port (e) Serial port (for future expansion) (f) USB port (host) (g) USB port (slave) (h) Reset switch (i) 24 VDC (j) Identification label</p> <p>CJ2M-CPU35, CJ1W-DRM21 and CJ1W-PD022 need new design.</p>

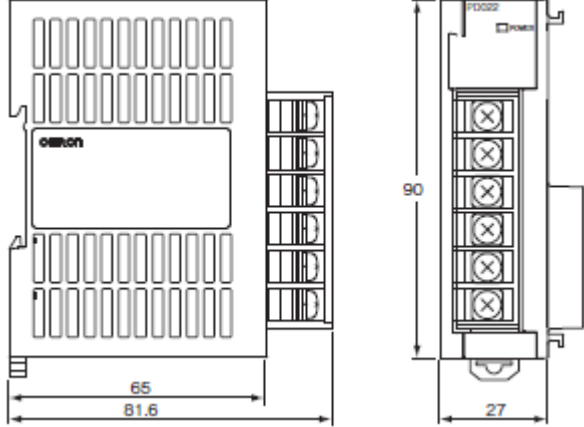
[Mounting dimensions]

<p>Product discontinuation NSJ5/8/10/12-T□□□(B)-G5D</p>	<p>Recommendable replacement NA5-7/9/12W□□□□-V1</p>																											
<p>Panel Cutout</p>  <p>W</p> <p>H</p>	<p>Panel Cutout</p>  <p>W</p> <p>H</p>																											
<table border="1"> <thead> <tr> <th>Model</th> <th>W (mm)</th> <th>H (mm)</th> </tr> </thead> <tbody> <tr> <td>NSJ5</td> <td>184.0 (+0.5/-0)</td> <td>131.0 (+0.5/-0)</td> </tr> <tr> <td>NSJ8</td> <td>220.5 (+0.5/-0)</td> <td>165.5 (+0.5/-0)</td> </tr> <tr> <td>NSJ10</td> <td>302.0 (+1/-0)</td> <td>228.0 (+1/-0)</td> </tr> <tr> <td>NSJ12</td> <td>302.0 (+1/-0)</td> <td>228.0 (+1/-0)</td> </tr> </tbody> </table>	Model	W (mm)	H (mm)	NSJ5	184.0 (+0.5/-0)	131.0 (+0.5/-0)	NSJ8	220.5 (+0.5/-0)	165.5 (+0.5/-0)	NSJ10	302.0 (+1/-0)	228.0 (+1/-0)	NSJ12	302.0 (+1/-0)	228.0 (+1/-0)	<table border="1"> <thead> <tr> <th>Model</th> <th>W (mm)</th> <th>H (mm)</th> </tr> </thead> <tbody> <tr> <td>NA5-7W</td> <td>197.0 (+1/-0)</td> <td>141.0 (+1/-0)</td> </tr> <tr> <td>NS5-9W</td> <td>261.0 (+1/-0)</td> <td>166.0 (+1/-0)</td> </tr> <tr> <td>NA5-12W</td> <td>310.0 (+1/-0)</td> <td>221.0 (+1/-0)</td> </tr> </tbody> </table> <p>CJ2M-CPU35, CJ1W-DRM21 and CJ1W-PD022 need new design.</p>	Model	W (mm)	H (mm)	NA5-7W	197.0 (+1/-0)	141.0 (+1/-0)	NS5-9W	261.0 (+1/-0)	166.0 (+1/-0)	NA5-12W	310.0 (+1/-0)	221.0 (+1/-0)
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[Dimensions]

<p style="text-align: center;">Product discontinuation NSJ5-T□□□(B)-G5D</p>	<p style="text-align: center;">Recommendable replacement NA5-7W001S/B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022</p>
<p>NSJ5-T□□□(B)-G5D (Unit:mm) Without Expansion Unit: 195(W) × 142(H) × 79(D) With Expansion Unit: 195(W) × 142(H) × 95(D)</p>	<p>NA5-7W001S/B-V1 (Unit:mm) 236(W) × 165(H) × 69(D)</p> <p>CJ2M-CPU35 31(W) × 90(H) × 75(D)</p> <p>CJ1W-DRM21 31(W) × 90(H) × 65(D)</p>

[Dimensions]

<p>Product discontinuation NSJ5-T□□□(B)-G5D</p>	<p>Recommendable replacement NA5-7W001S/B-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022</p>
	<p>CJ1W-PD022 27(W) × 90(H) × 65(D)</p>  <p>The drawing shows two views of the CJ1W-PD022 component. The front view (left) shows a rectangular unit with a central 'omron' logo and two rows of terminal blocks. Dimensions are indicated as 65mm for the main body width and 81.6mm for the total width including the terminal block. The side view (right) shows the component's profile with a height of 90mm and a width of 27mm. A label 'P10022' is visible at the top of the side view.</p>

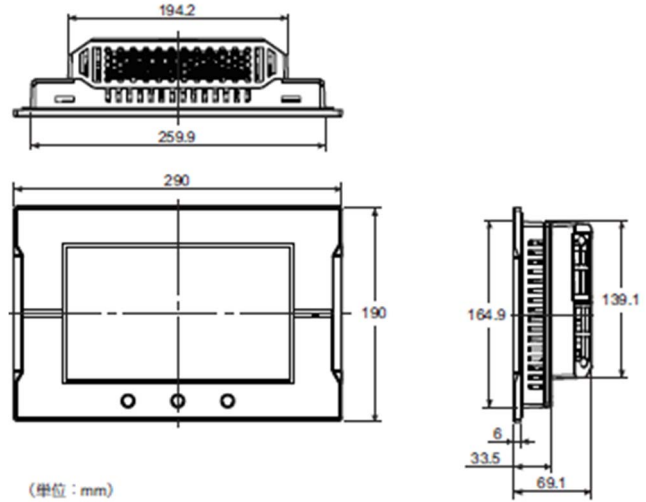
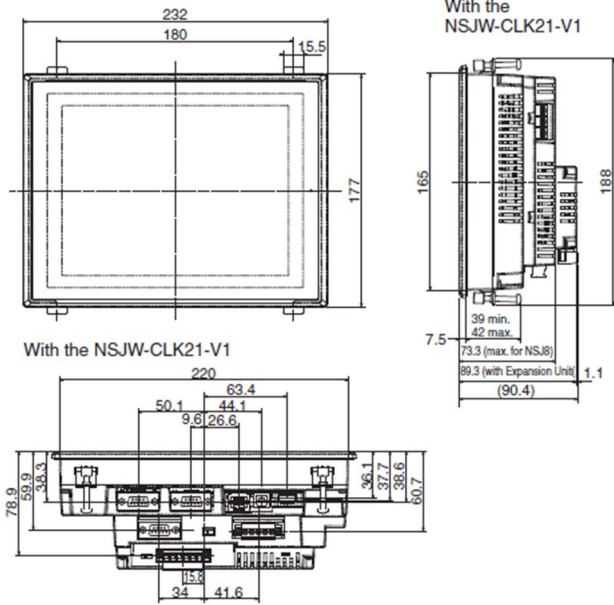
[Dimensions]

Product discontinuation
NSJ8-T□□□(B)-G5D
NSJ10-T□□□(B)-G5D
NSJ12-T□□□(B)-G5D

Recommendable replacement
NA5-9W001S/B-V1
NA5-12W101S/B-V1
CJ2M-CPU35
CJ1W-DRM21
CJ1W-PD022

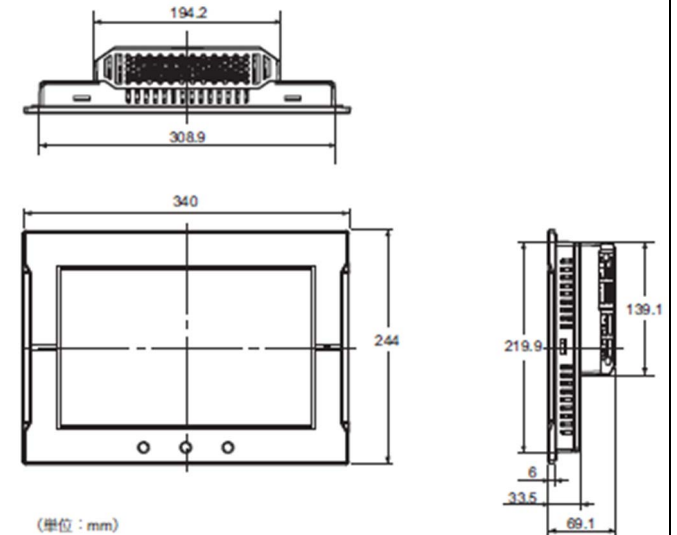
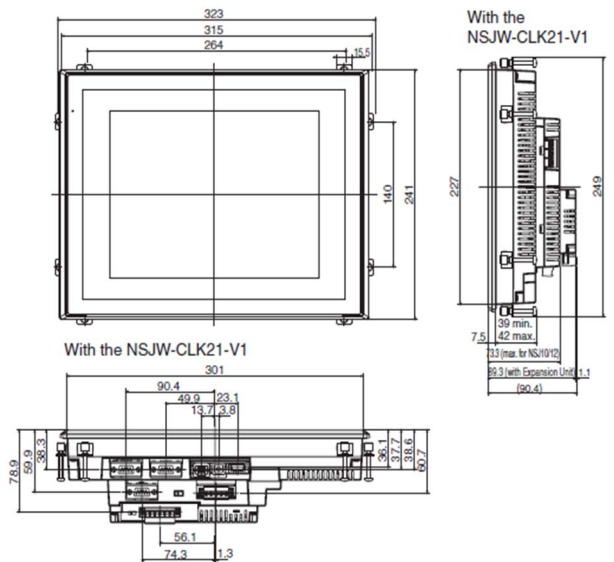
NSJ8-T□□□(B)-G5D (Unit:mm)
 Without Expansion Unit: 195(W) × 142(H) × 79(D)
 With: 195(W) × 142(H) × 95(D)

NA5-9W001S/B-V1 (Unit:mm)
 290(W) × 190(H) × 69(D)



NSJ10/12-T□□□(B)-G5D
 Without Expansion Unit: 315(W) × 241(H) × 73.3(D)
 With: 315(W) × 241(H) × 89.3(D)

NA5-12W101S/B-V1
 340(W) × 244(H) × 69(D)



CJ2M-CPU35
 Refer to Recommendable replacement of NSJ5.

CJ1W-DRM21
 Refer to Recommendable replacement of NSJ5.

CJ1W-PD022
 Refer to Recommendable replacement of NSJ5.

[Characteristics]

Item	Product discontinuation NSJ5/8/10/12-T□□□(B)-G5D	Recommendable replacement NA5-□W□□□□-V1 CJ2M-CPU35 CJ1W-DRM21 CJ1W-PD022
Power consumption	NSJ5: ≤22 W NS8/10/12: ≤30 W	NA5-7W: ≤19 W NA5-9W: ≤23 W NA5-12W: ≤25 W CJ2M-CPU35: ≤3.5 W CJ1W-DRM21: ≤1.45 W
Display	Color TFT LCD	Color TFT LCD
Resolution	NSJ5: 320 × 240 NSJ8/10: 640 × 480 NSJ12: 800 × 600	NA5-7/9W: 800 × 480 NA5-12W: 1280 × 800
Display colors	256	16,770,000
Support tool (For Display)	CX-Designer	Sysmac Studio,
Ambient temperature	0 to 50°C	0 to 50°C

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.