

CJ-series Mixed I/O Units

CJ1W-MD

CSM_CJ1W-MD_DS_E_9_12

A Wide Range of Basic Mixed I/O Units for Different Applications and Wiring Methods

- One Mixed I/O Unit has connectors for both inputs and outputs. Use Mixed I/O Units to easily build space-saving systems.



CJ1W-MD231



CJ1W-MD261



CJ1W-MD563

Features

- Select the best interface for each application: Fujitsu / OTAX connectors and MIL connectors.
- Select sinking outputs or sourcing outputs. The CJ1W-MD232 has load short-circuit protection.
- The ON and OFF response times can be set to between 0 and 32 ms in the Setup in the CPU Unit.
- Mixed I/O Units with 5-V TTL inputs are also available. *
- A wide variety of Connector-Terminal Block Conversion Units are available to allow you to easily wire external I/O devices.

* Applies to the CJ1W-MD563.

Ordering Information

International Standards

- The standards are abbreviated as follows: U: UL, U1: UL (Class I Division 2 Products for Hazardous Locations), C: CSA, UC: cULus, UC1: cULus (Class I Division 2 Products for Hazardous Locations), CU: cUL, N: NK, L: Lloyd, and CE: EC Directives.
- Contact your OMRON representative for further details and applicable conditions for these standards.

Mixed I/O Units

Unit type	Product name	Specifications						Current consumption (A)		Model	Standards
		Output type	I/O points	Input voltage, Input current	Commons	External connection	No. of words allocated	5 V	24 V		
				Maximum switching capacity							
CJ1 Basic I/O Units	 DC Input/ Transistor Output Units	Sinking	16 inputs	24 VDC, 7 mA	16 points, 1 common	Fujitsu / OTAX connector	2 words	0.13	-	CJ1W-MD231	UC1, N, CE
			16 outputs	250 VAC/24 VDC, 0.5 A	16 points, 1 common						
		Sinking	16 inputs	24 VDC, 7 mA	16 points, 1 common	MIL connector	2 words	0.13	-	CJ1W-MD233	UC1, N, CE
			16 outputs	12 to 24 VDC, 0.5 A	16 points, 1 common						
		Sinking	32 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu / OTAX connector	4 words	0.14	-	CJ1W-MD261	
			32 outputs	12 to 24 VDC, 0.3 A	16 points, 1 common						
	Sinking	32 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	4 words	0.14	-	CJ1W-MD263		
		32 outputs	12 to 24 VDC, 0.3 A	16 points, 1 common							
	Sourcing	16 inputs	24 VDC, 7 mA	16 points, 1 common	MIL connector	2 words	0.13	-	CJ1W-MD232	UC1, N, L, CE	
		16 outputs	24 VDC, 0.5 A Short-circuit protection	16 points, 1 common							
 TTL I/O Units	-	32 inputs	5 VDC, 35 mA	16 points, 1 common	MIL connector	4 words	0.19	-	CJ1W-MD563	UC1, N, CE	
		32 outputs	5 VDC, 35 mA	16 points, 1 common							

Accessories

Connectors are not included for models with connectors. Either use one of the applicable connector listed below or use an applicable Connector-Terminal Block Conversion Unit or I/O Relay Terminal. For details on wiring methods, refer to *External Interface*.

Applicable Connectors

Fujitsu / OTAX Connectors for 32-input, 32-output, 64-input, 64-output, 32-input/32-output, and 16-input/16-output Units

Name	Connection	Remarks	Applicable Units	Model	Standards
40-pin Connectors	Soldered	Connector Fujitsu FCN-361J040-AU Connector Cover Fujitsu FCN-360C040-J2 OTAX N360C040J2	Fujitsu / OTAX Connectors: CJ1W-ID231(32 inputs): 1 per Unit CJ1W-ID261 (64 inputs): 2 per Unit CJ1W-OD231 (32 outputs): 1 per Unit CJ1W-OD261 (64 outputs): 2 per Unit CJ1W-MD261 (32 inputs, 32 outputs): 2 per Unit	C500-CE404	-
	Crimped	Housing Fujitsu FCN-363J040 OTAX N363J040		C500-CE405	
		Contact Fujitsu FCN-363J-AU OTAX N363JAU Connector Cover Fujitsu FCN-360C040-J2 OTAX N360C040J2			
	Pressure welded	Fujitsu FCN-367J040-AU/F	C500-CE403		
24-pin Connectors	Soldered	Connector Fujitsu FCN-361J024-AU Connector Cover Fujitsu FCN-360C024-J2 OTAX N360C024J2	Fujitsu / OTAX Connectors: CJ1W-MD231 (16 inputs, 16 outputs): 2 per Unit	C500-CE241	-
	Crimped	Socket Fujitsu FCN-363J024 OTAX N363J024		C500-CE242	
		Contact Fujitsu FCN-363J-AU OTAX N363JAU Connector Cover Fujitsu FCN-360C024-J2 OTAX N360C024J2			
	Pressure welded	Fujitsu FCN-367J024-AU/F OTAX N367J024AUF	C500-CE243		

MIL Connectors for 32-input, 32-output, 64-input, 64-output, 32-input/32-output, and 16-input/16-output Units

Name	Connection	Remarks	Applicable Units	Model	Standards
40-pin Connectors	Pressure welded	FRC5-AO40-3TOS	MIL Connectors: CJ1W-ID232 (32 inputs): 1 per Unit CJ1W-OD232/233 (32 outputs): 1 per Unit CJ1W-ID262 (64 inputs): 2 per Unit CJ1W-OD262/263 (64 outputs): 2 per Unit CJ1W-MD263/563 (32 inputs, 32 outputs): 2 per Unit	XG4M-4030-T	-
	Crimped	-		XG5N-401*	
20-pin Connectors	Pressure welded	FRC5-AO20-3TOS	MIL Connectors: CJ1W-MD232/233 (16 inputs, 16 outputs): 2 per Unit	XG4M-2030-T	-
	Crimped	-		XG5N-201*	

* Crimp Contacts are also required. Refer to page 22 for details.

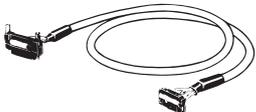
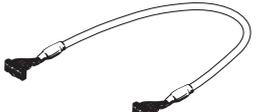
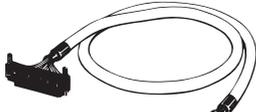
Applicable Connector-Terminal Block Conversion Units

Type	Series	Number of connector poles	Number of terminal block poles	Wiring method	Terminal type	Size			Mounting		Common terminals	I/O Units	Model *	Standards					
						Depth (mm)	Height (mm)	Width (mm)	DIN Track	Screws									
General purpose devices, PLC	XW2K	20	20	Push-In Plus 	Spring	56	39	40.8	No	---	No	CJ1W-MD231 CJ1W-MD232 CJ1W-MD233	XW2K-20G-T	---					
		40	36			75	39	40.8				CJ1W-MD261	XW2K-40G-O32A						
								CJ1W-MD261				XW2K-40G-O32B							
								CJ1W-MD263 CJ1W-MD563				XW2K-40G-O32C							
		20	54	Push-In Plus 		75	52.7	40.8				Yes	CJ1W-MD231 CJ1W-MD233		XW2K-20G-O16A-IN				
		20	36			75	39	40.8					CJ1W-MD231 CJ1W-MD233		XW2K-20G-O16B-OUT				
		40	102			124	52.7	40.8					CJ1W-MD261		XW2K-40G-O32A-IN				
		40	68			124	39	40.8					CJ1W-MD261		XW2K-40G-O32B-OUT				
	40	102	124		52.7	40.8	CJ1W-MD263 CJ1W-MD563	XW2K-40G-O32C-IN											
	40	68	124		39	40.8	CJ1W-MD263 CJ1W-MD563	XW2K-40G-O32C-OUT											
	XW2R	20	20		Phillips screw 	M3	81.7	50			48.05		No		---	No	CJ1W-MD231 CJ1W-MD232 CJ1W-MD233	XW2R-J20GD-T	---
		40	34				130.7	50			48.05						CJ1W-MD261	XW2R-J34GD-C1	
											CJ1W-MD261	XW2R-J34GD-C3							
											CJ1W-MD263 CJ1W-MD563	XW2R-J34GD-C2							
		20	20	Slotted screw (rise up) 	64.4		50	48.05			No	CJ1W-MD231 CJ1W-MD232 CJ1W-MD233					XW2R-E20GD-T		
		40	34		98.5		50	48.05				CJ1W-MD261					XW2R-E34GD-C1		
								CJ1W-MD261	XW2R-E34GD-C3										
								CJ1W-MD263 CJ1W-MD563	XW2R-E34GD-C2										
					CJ1W-MD263 CJ1W-MD563	XW2R-E34GD-C4													

Note: For the combination of I/O Units with Connector-Terminal Block Conversion Units, refer to 2. *Connecting Connector-Terminal Block Conversion Units.*

* Representative models only. For details, refer to the XW2K series Datasheet (Cat. No. G152) and XW2R Datasheet.

Connecting Cables for Connector-Terminal Block Conversion Units

Appearance	Connectors	Cable length [m]	Model
XW2Z-□□□A 	One 24-pin FCN Connector to One 20-pin MIL Connector	0.5	XW2Z-050A
		1	XW2Z-100A
		1.5	XW2Z-150A
		2	XW2Z-200A
		3	XW2Z-300A
		5	XW2Z-500A
		7	XW2Z-700A
		10	XW2Z-010A
		15	XW2Z-15MA
		20	XW2Z-20MA
XW2Z-□□□X 	One 20-pin MIL Connector to One 20-pin MIL Connector	0.5	XW2Z-C50X
		1	XW2Z-100X
		2	XW2Z-200X
		3	XW2Z-300X
		5	XW2Z-500X
XW2Z-□□□B 	One 40-pin FCN Connector to One 40-pin MIL Connector	0.5	XW2Z-050B
		1	XW2Z-100B
		1.5	XW2Z-150B
		2	XW2Z-200B
		3	XW2Z-300B
XW2Z-□□□K 	One 40-pin MIL Connector to One 40-pin MIL Connector	0.5	XW2Z-C50K
		1	XW2Z-100K
		1.5	XW2Z-150K
		2	XW2Z-200K
		3	XW2Z-300K
5	XW2Z-500K		

Applicable I/O Relay Terminals

Type	Series	Specifications					Size (horizontal mounting)			Mounting		Model	Standards			
		Classification	Polarity	Number of points	Rated ON current at contacts	Rated voltage	Horizontal (mm)	Vertical (mm)	Height (mm)	DIN Track	Screws					
Push-In Plus terminal block	 G70V	Inputs	DC inputs	NPN	16 (SPSTNO × 16)	50 mA	24 VDC	143	90	56	Yes	Yes	G70V-SID16P *4	UC, CE (TÜV certified)		
				PNP									G70V-SID16P-1 *4			
				NPN									G70V-SID16P-C16 *5			
				PNP									G70V-SID16P-1-C16 *5			
		Outputs	Relay outputs	NPN	16 (SPDT × 16)	6 A/point, 10 A/ common							G70V-SOC16P *4			
				PNP									G70V-SOC16P-1 *4			
				NPN									G70V-SOC16P-C4 *6			
				PNP									G70V-SOC16P-1-C4 *6			
Standard	 G7TC	Inputs	AC inputs	NPN	16 (SPSTNO × 16)	1A	100/(110) VAC	182	85	68	Yes	No	G7TC-IA16 AC100/110	U, C		
													200/(220) VAC		G7TC-IA16 AC200/220	
													12 VDC		G7TC-ID16 DC12	
			24 VDC										G7TC-ID16 DC24			
			100/110 VDC										G7TC-ID16 DC100/110			
			Outputs										Relay outputs		NPN	8 (SPSTNO × 8)
		16 (SPSTNO × 16)		24 VDC	G7TC-OC08 DC24											
		16 (SPSTNO × 16)		12 VDC	G7TC-OC16 DC12											
		PNP		16 (SPSTNO × 16)	24 VDC	G7TC-OC16 DC24										
				12 VDC	G7TC-OC16-1 DC12											
				24 VDC	G7TC-OC16-1 DC24											
		High-capacity socket	 G70A *1 (Socket only)	Inputs	Relay inputs	NPN/ PNP	16 (SPDT × 16 possible with G2R Relays)	100 mA	110 VDC max., 240 VAC max. *2	234	75	64	Yes	No	G70A-ZOC16-5	U, C, CE (VDE certified)
Outputs	Relay outputs														NPN	
				PNP	24 VDC	G70A-ZOC16-4										
Space-saving	 Vertical type G70D-V			Relay outputs	NPN	16 (SPSTNO × 16)		5 A or 3 A *3							24 VDC	
		MOSFET relay outputs	0.3 A				G70D-VFOM16									
		Outputs	Relay outputs	8 (SPSTNO × 8)			5 A		G70D-SOC08							
				16 (SPSTNO × 16)			3 A		G70D-SOC16							
	MOSFET relay outputs		PNP	16 (SPSTNO × 16)	3 A	G70D-SOC16-1										
			PNP	16 (SPSTNO × 16)	0.3 A	G70D-FOM16										
	G70R	 G70R	Outputs	Relay outputs	NPN	8 (SPSTNO × 8)	10 A	24 VDC	136	93	55	Yes	Yes	G70R-SOC08 *7		-

*1. G70A is a I/O terminal socket product. Relay is not provided with the socket. Be sure to order a relay, timer separately.

*2. Each relay to be mounted must incorporate a coil that has proper specifications within the maximum rated voltage range.

*3. Eight or fewer points ON: 5 A, Nine or more points ON: 3 A.

*4. Internal common at terminal block: No internal connections

*5. Internal common at terminal block: Internal IO common 16 points internally connected

*6. Internal common at terminal block: Every 4 points internally connected at terminal block middle row.

*7. Product no longer available to order.

Note: 1. For the combination of Input Units with I/O Relay Terminal and Connecting Cables, refer to 3. *Connecting I/O Relay Terminals.*

2. Please refer to each Datasheet about details.

3. When the G7TC is used with an AC rated voltage, three rated currents can be used. If a coil voltage of 110 or 220 VAC is used, 50 Hz cannot be used.

Cables for I/O Relay Terminals

Type	Name	I/O Classification	Appearance	Cable length L (mm)	Models
Fujitsu/OTAX connectors (24 pins)	Cables with Connectors (1:1) XW2Z-R□C	16 I/O points		1,000	XW2Z-R100C
				1,500	XW2Z-R150C
				2,000	XW2Z-R200C
				3,000	XW2Z-R300C
				5,000	XW2Z-R500C
Fujitsu/OTAX connectors (40 pins)	Cables with Connectors (1:2) XW2Z-RI□C-□ XW2Z-RO□C-□	32 input points		(A) 1,000 (B) 750	XW2Z-RI100C-75
		32 output points		(A) 1,500 (B) 1,250	XW2Z-RI150C-125
				(A) 2,000 (B) 1,750	XW2Z-RI200C-175
				(A) 3,000 (B) 2,750	XW2Z-RI300C-275
				(A) 5,000 (B) 4,750	XW2Z-RI500C-475
				(A) 1,000 (B) 750	XW2Z-RO100C-75
				(A) 1,500 (B) 1,250	XW2Z-RO150C-125
				(A) 2,000 (B) 1,750	XW2Z-RO200C-175
				(A) 3,000 (B) 2,750	XW2Z-RO300C-275
				(A) 5,000 (B) 4,750	XW2Z-RO500C-475
MIL connectors (20 pins)	Cables with Connectors (1:1) XW2Z-RI□C XW2Z-RO□C	16 I/O points		250	XW2Z-RI25C
				500	XW2Z-RI50C
				250	XW2Z-RO25C
				500	XW2Z-RO50C
MIL connectors (40 pins)	Cables with Connectors (1:2) XW2Z-RO□-□-D1, XW2Z-RI□-□-D1	32 I/O points		(A) 500 (B) 250	XW2Z-RO50-25-D1
				(A) 750 (B) 500	XW2Z-RO75-50-D1
				(A) 1,000 (B) 750	XW2Z-RO100-75-D1
				(A) 1,500 (B) 1,250	XW2Z-RO150-125-D1
				(A) 2,000 (B) 1,750	XW2Z-RO200-175-D1
				(A) 3,000 (B) 2,750	XW2Z-RO300-275-D1
				(A) 5,000 (B) 4,750	XW2Z-RO500-475-D1
				(A) 500 (B) 250	XW2Z-RI50-25-D1
				(A) 750 (B) 500	XW2Z-RI75-50-D1
				(A) 1,000 (B) 750	XW2Z-RI100-75-D1
				(A) 1,500 (B) 1,250	XW2Z-RI150-125-D1
				(A) 2,000 (B) 1,750	XW2Z-RI200-175-D1
				(A) 3,000 (B) 2,750	XW2Z-RI300-275-D1
				(A) 5,000 (B) 4,750	XW2Z-RI500-475-D1

Note: Refer to the Datasheet for the XW2Z-R Cables for I/O Relay Terminals (Cat. No. G126).

Mountable Racks

Model	NJ system		CJ system (CJ1, CJ2)		CP1H system	NSJ system *	
	CPU Rack	Expansion Rack	CPU Rack	Expansion Backplane	CP1H PLC	NSJ Controller	Expansion Backplane
CJ1W-MD231	10 Units	10 Units (Per Expansion Rack)	10 Units	10 Units (Per Expansion Backplane)	Not supported	Not supported	10 Units (Per Expansion Backplane)
CJ1W-MD232							
CJ1W-MD233							
CJ1W-MD261							
CJ1W-MD263							
CJ1W-MD563							

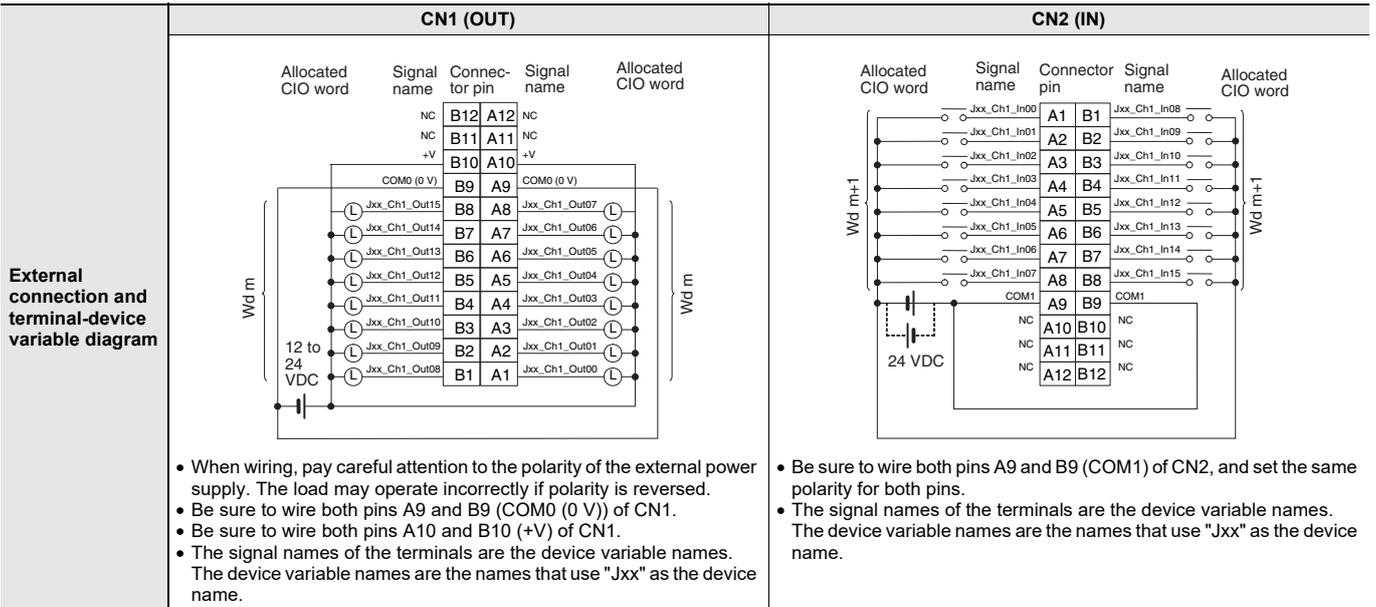
* Product no longer available to order.

Specifications

CJ1W-MD231 DC Input/Transistor Output Unit (24 VDC, 16 Inputs/16 Outputs)

Name	16-point DC Input/16-point Transistor Output Unit with Fujitsu / OTAX Connectors (Sinking Outputs)		
Model	CJ1W-MD231		
Output section (CN1)		Input section (CN2)	
Rated Voltage	12 to 24 VDC	Rated Input Voltage	24 VDC
Operating Load Voltage Range	10.2 to 26.4 VDC	Operating Input Voltage	20.4 to 26.4 VDC
Maximum Load Current	0.5 A/point, 2.0 A/Unit	Input Impedance	3.3 kΩ
Maximum Inrush Current	4.0 A/point, 10 ms max.	Input Current	7 mA typical (at 24 VDC)
Leakage Current	0.1 mA max.	ON Voltage/ON Current	14.4 VDC min./3 mA min.
Residual Voltage	1.5 V max.	OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	0.1 ms max.	ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	0.8 ms max.		
No. of Circuits	16 (16 points/common, 1 circuit)	OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
Fuse	None		
External Power Supply	10.2 to 26.4 VDC, 20 mA min.	No. of Circuits	16 (16 points/common, 1 circuit)
		Number of Simultaneously ON Points	75% (at 24 VDC)
Insulation Resistance	20 MΩ min. between the external terminals and the GR terminal (at 100 VDC)		
Dielectric Strength	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
Internal Current Consumption	5 VDC 130 mA max.		
Weight	90 g max.		
Accessories	None		

Circuit Configuration	CN1 (OUT)	CN2 (IN)
	<p>Signal name: +V, Jxx_Ch1_Out00 to Jxx_Ch1_Out07, COM0, +V, Jxx_Ch1_Out08 to Jxx_Ch1_Out15, COM0</p> <p>Allocated CIO word: Wd m</p> <p>Connect or row A</p> <p>Connect or row B</p>	<p>Allocated CIO word: Wd m+1</p> <p>Signal name: Jxx_Ch1_In00 to Jxx_Ch1_In07, COM1, Jxx_Ch1_In08 to Jxx_Ch1_In15, COM1</p> <p>Connect or row A</p> <p>Connect or row B</p>
	<p>Number of Simultaneously ON Points vs. Ambient Temperature Characteristic</p> <p>Number of simultaneously ON points</p> <p>Ambient Temperature (°C)</p> <p>16 points at 33°C, 16 points at 45°C, 12 points at 55°C, 9 points at 55°C</p> <p>Input voltage: 24 VDC, Input voltage: 26.4 VDC</p>	
	<ul style="list-style-type: none"> The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name. The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name. 	

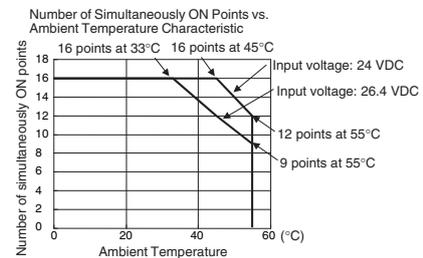


* The ON response time will be 20 μs maximum and OFF response time will be 400 μs maximum even if the response times are set to 0 ms due to internal element delays.

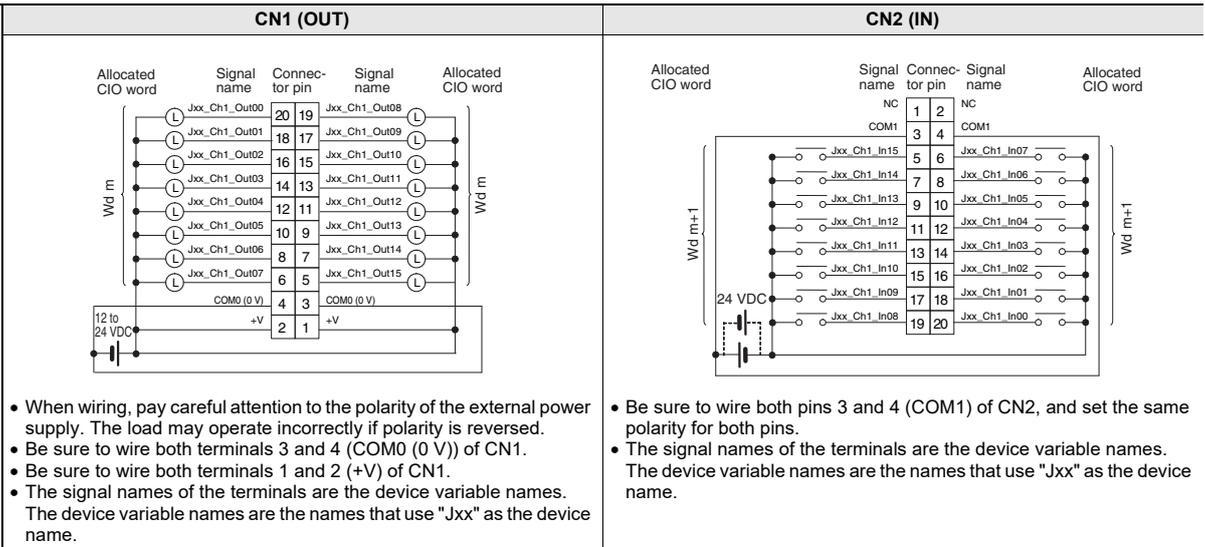
CJ1W-MD233 DC Input/Transistor Output Unit (24 VDC, 16 Inputs/16 Outputs)

Name	16-point DC Input/16-point Transistor Output Unit with MIL Connectors (Sinking Outputs)		
Model	CJ1W-MD233		
Output section (CN1)		Input section (CN2)	
Rated Voltage	12 to 24 VDC	Rated Input Voltage	24 VDC
Operating Load Voltage Range	10.2 to 26.4 VDC	Operating Input Voltage	20.4 to 26.4 VDC
Maximum Load Current	0.5 A/point, 2.0 A/Unit	Input Impedance	3.3 k Ω
Maximum Inrush Current	4.0 A/point, 10 ms max.	Input Current	7 mA typical (at 24 VDC)
Leakage Current	0.1 mA max.	ON Voltage/ON Current	14.4 VDC min./3 mA min.
Residual Voltage	1.5 V max.	OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	0.1 ms max.	ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	0.8 ms max.		
No. of Circuits	16 (16 points/common, 1 circuit)	OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
Fuse	None		
External Power Supply	10.2 to 26.4 VDC, 20 mA min.	No. of Circuits	16 (16 points/common, 1 circuit)
		Number of Simultaneously ON Points	75% (at 24 VDC)
Insulation Resistance	20 M Ω min. between the external terminals and the GR terminal (at 100 VDC)		
Dielectric Strength	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
Internal Current Consumption	5 VDC 130 mA max.		
Weight	90 g max.		
Accessories	None		

Circuit Configuration	CN1 (OUT)	CN2 (IN)
	<ul style="list-style-type: none"> The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name. 	<ul style="list-style-type: none"> The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.



External connection and terminal-device variable diagram



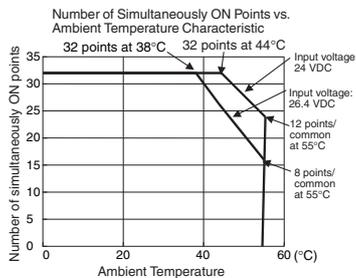
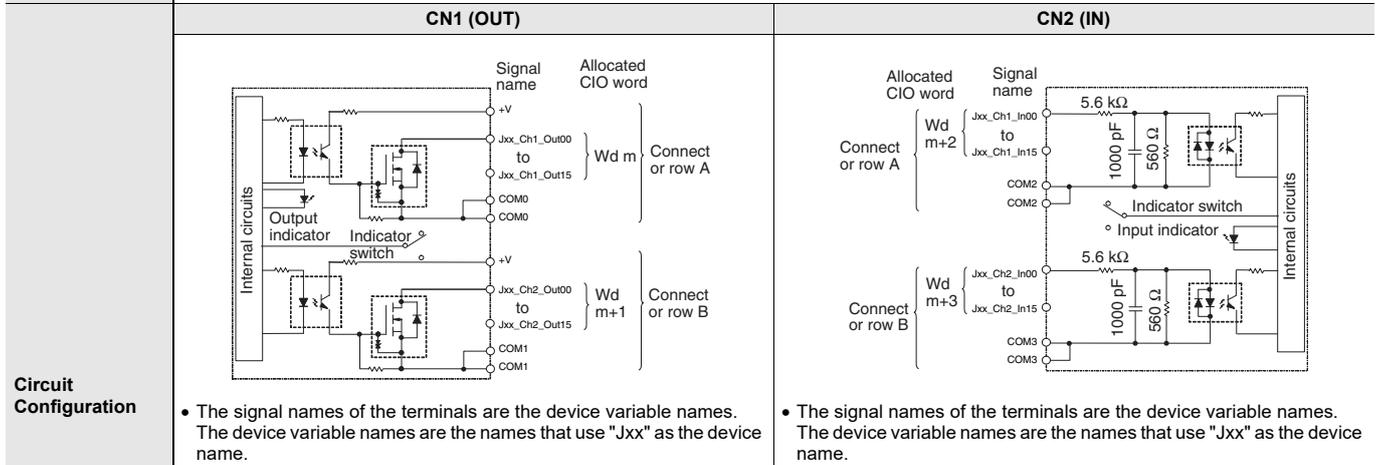
- When wiring, pay careful attention to the polarity of the external power supply. The load may operate incorrectly if polarity is reversed.
- Be sure to wire both terminals 3 and 4 (COM0 (0 V)) of CN1.
- Be sure to wire both terminals 1 and 2 (+V) of CN1.
- The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.

- Be sure to wire both pins 3 and 4 (COM1) of CN2, and set the same polarity for both pins.
- The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.

* The ON response time will be 20 μs maximum and OFF response time will be 400 μs maximum even if the response times are set to 0 ms due to internal element delays.

CJ1W-MD261 DC Input/Transistor Output Unit (24 VDC 32 Inputs/32 Outputs)

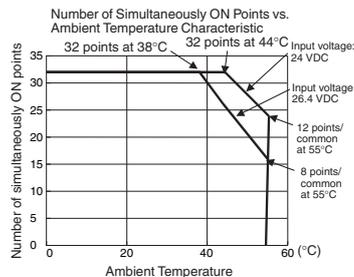
Name	32-point DC Input/32-point Transistor Output Unit with Fujitsu / OTAX Connectors (Sinking Outputs)		
Model	CJ1W-MD261		
Output section (CN1)		Input section (CN2)	
Rated Voltage	12 to 24 VDC	Rated Input Voltage	24 VDC
Operating Load Voltage Range	10.2 to 26.4 VDC	Operating Input Voltage	20.4 to 26.4 VDC
Maximum Load Current	0.3 A/point, 1.6 A/common, 3.2 A/Unit	Input Impedance	5.6 kΩ
Maximum Inrush Current	3.0 A/point, 10 ms max.	Input Current	4.1 mA typical (at 24 VDC)
Leakage Current	0.1 mA max.	ON Voltage/ON Current	19.0 VDC min./3 mA min. *2
Residual Voltage	1.5 V max.	OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	0.5 ms max.	ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *1
OFF Response Time	1.0 ms max.		
No. of Circuits	32 (16 points/common, 2 circuits)	OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *1
Fuse	None		
External Power Supply	10.2 to 26.4 VDC, 30 mA min.	No. of Circuits	32 (16 points/common, 2 circuits)
		Number of Simultaneously ON Points	75% (24 points) (at 24 VDC)
Insulation Resistance	20 MΩ min. between the external terminals and the GR terminal (at 100 VDC)		
Dielectric Strength	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
Internal Current Consumption	5 VDC 140 mA max.		
Weight	110 g max.		
Accessories	None		

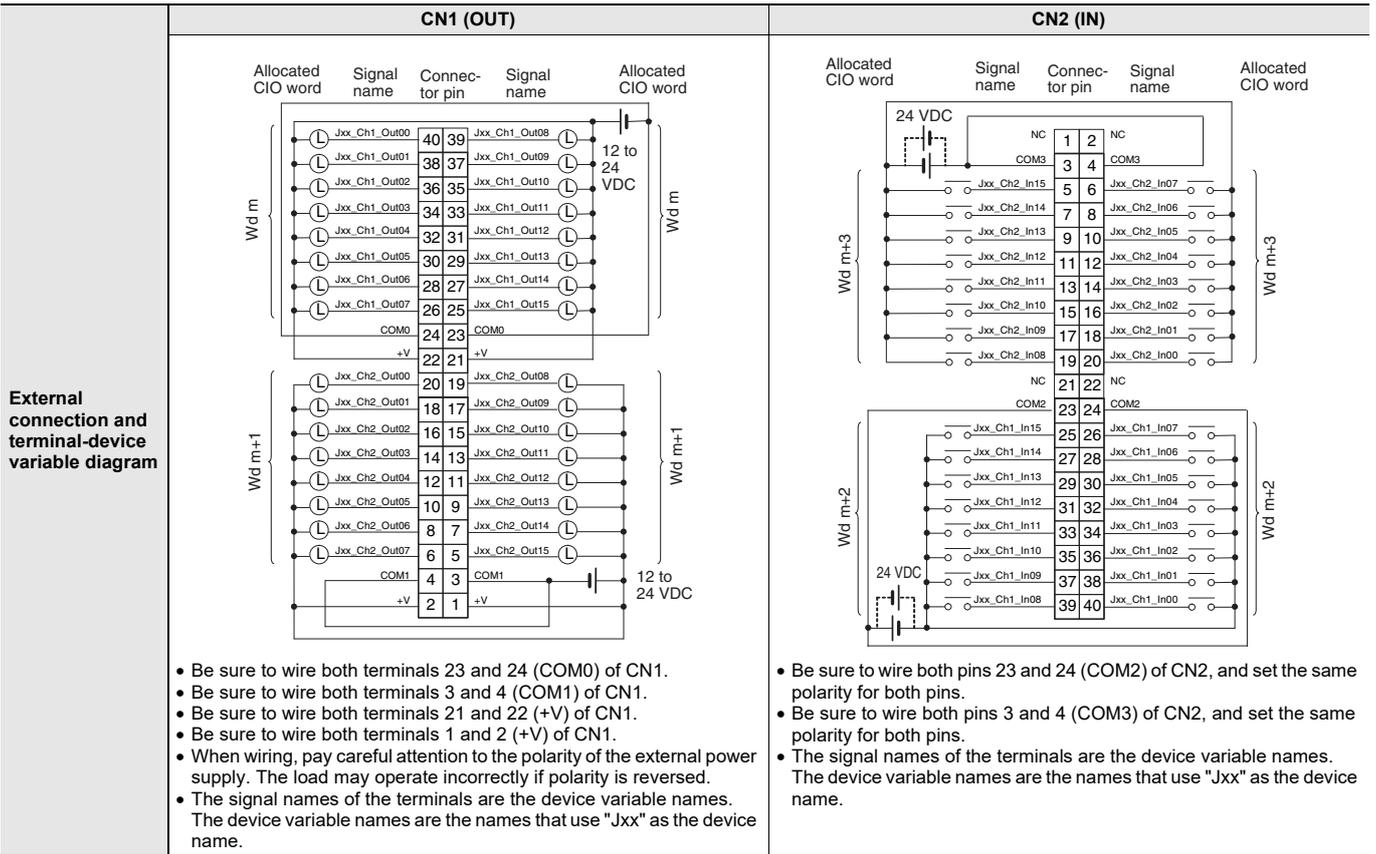


CJ1W-MD263 DC Input/Transistor Output Unit (24 VDC 32 Inputs/32 Outputs)

Name	32-point DC Input/32-point Transistor Output Unit with MIL Connectors (Sinking Outputs)		
Model	CJ1W-MD263		
Output section (CN1)		Input section (CN2)	
Rated Voltage	12 to 24 VDC	Rated Input Voltage	24 VDC
Operating Load Voltage Range	10.2 to 26.4 VDC	Operating Input Voltage	20.4 to 26.4 VDC
Maximum Load Current	0.3 A/point, 1.6 A/common, 3.2 A/Unit	Input Impedance	5.6 kΩ
Maximum Inrush Current	3.0 A/point, 10 ms max.	Input Current	4.1 mA typical (at 24 VDC)
Leakage Current	0.1 mA max.	ON Voltage/ON Current	19.0 VDC min./3 mA min. *2
Residual Voltage	1.5 V max.	OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	0.5 ms max.	ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *1
OFF Response Time	1.0 ms max.		
No. of Circuits	32 (16 points/common, 2 circuits)	OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *1
Fuse	None		
External Power Supply	10.2 to 26.4 VDC, 30 mA min.	No. of Circuits	32 (16 points/common, 2 circuits)
		Number of Simultaneously ON Points	75% (24 points) (at 24 VDC)
Insulation Resistance	20 MΩ min. between the external terminals and the GR terminal (at 100 VDC)		
Dielectric Strength	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
Internal Current Consumption	5 VDC 140 mA max.		
Weight	110 g max.		
Accessories	None		

	CN1 (OUT)	CN2 (IN)
Circuit Configuration		
	<ul style="list-style-type: none"> The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name. 	<ul style="list-style-type: none"> The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.



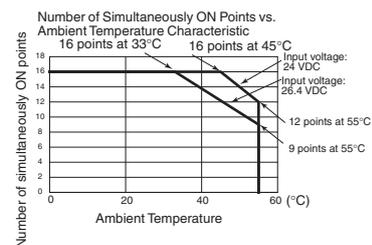


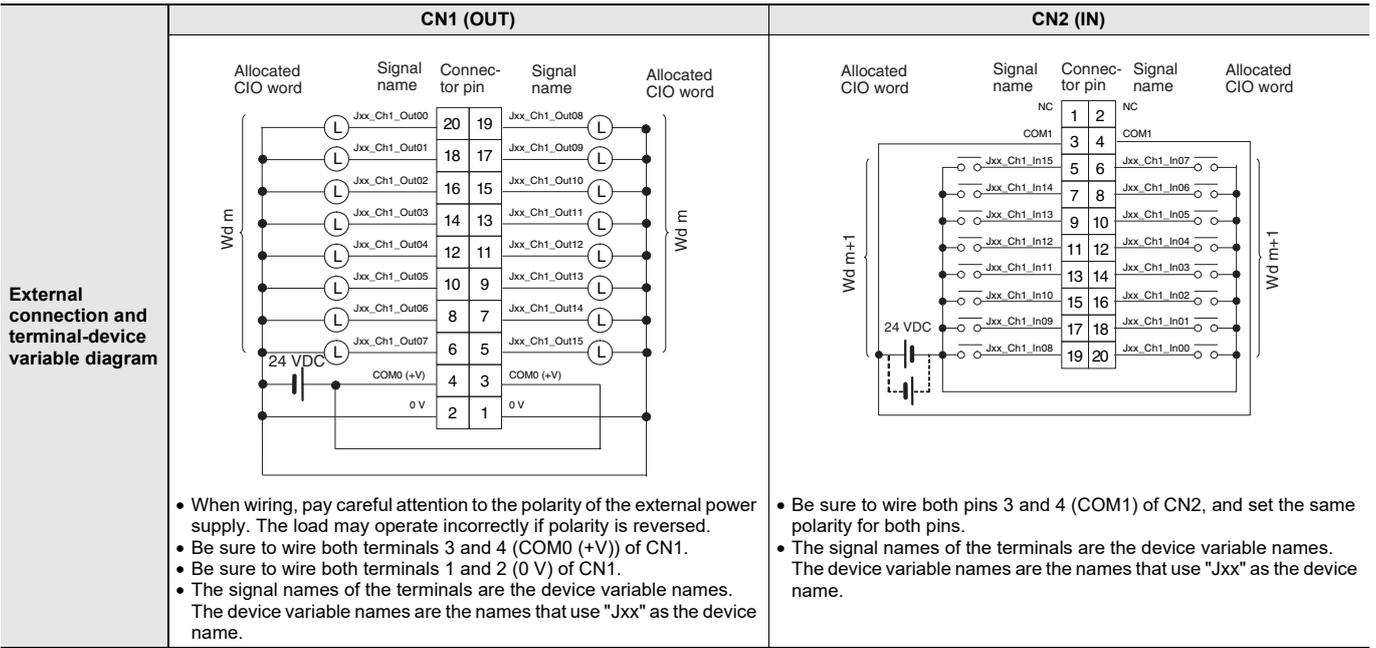
- *1. The ON response time will be 120 μs maximum and OFF response time will be 400 μs maximum even if the response times are set to 0 ms due to internal element delays.
- *2. Observe the following restrictions when connecting to a 2-wire sensor.
 - Make sure the input power supply voltage is larger than the ON voltage (19 V) plus the residual voltage of the sensor (approx. 3 V).
 - Use a sensor with a minimum load current of 3 mA min.
 - Connect bleeder resistance if you connect a sensor with a minimum load current of 5 mA or higher.

CJ1W-MD232 DC Input/Transistor Output Unit (24 VDC, 16 inputs/16 Outputs)

Name	16-point DC Input/16-point Transistor Output Unit with MIL Connectors (Sourcing Outputs)		
Model	CJ1W-MD232		
Output section (CN1)		Input section (CN2)	
Rated Voltage	24 VDC	Rated Input Voltage	24 VDC
Operating Load Voltage Range	20.4 to 26.4 VDC	Operating Input Voltage	20.4 to 26.4 VDC
Maximum Load Current	0.5 A/point, 2.0 A/Unit	Input Impedance	3.3 kΩ
Leakage Current	0.1 mA max.	Input Current	7 mA typical (at 24 VDC)
Residual Voltage	1.5 V max.	ON Voltage/ON Current	14.4 VDC min./3 mA min.
ON Response Time	0.5 ms max.	OFF Voltage/OFF Current	5 VDC max./1 mA max.
OFF Response Time	1.0 ms max.	ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.)*
Load Short-circuit Protection	Detection current: 0.7 to 2.5 A min. Automatic restart after error clearance.	OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.)*
No. of Circuits	16 (16 points/common, 1 circuit)	No. of Circuits	16 (16 points/common, 1 circuit)
External Power Supply	20.4 to 26.4 VDC, 40 mA min.	Number of Simultaneously ON Points	75% (at 24 VDC)
Insulation Resistance	20 MΩ min. between the external terminals and the GR terminal (at 100 VDC)		
Dielectric Strength	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
Internal Current Consumption	5 VDC 130 mA max.		
Weight	100 g max.		
Accessories	None		

Circuit Configuration	CN1 (OUT)	CN2 (IN)
	<p>• The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.</p>	<p>• The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.</p>





* The ON response time will be 20 μs maximum and OFF response time will be 400 μs maximum even if the response times are set to 0 ms due to internal element delays.

CJ1W-MD563 TTL I/O Unit (32 Inputs/32 Outputs)

Name	32-point Input /32-point Output TTL I/O Unit with MIL Connectors		
Model	CJ1W-MD563		
Output section (CN1)		Input section (CN2)	
Rated Voltage	5 VDC±10%	Rated Input Voltage	5 VDC±10%
Operating Load Voltage Range	4.5 to 5.5 VDC	Input Impedance	1.1 kΩ
Maximum Load Current	35 mA/point, 560 mA/common, 1.12 A/Unit	Input Current	Approx. 3.5 mA (at 5 VDC)
Leakage Current	0.1 mA max.	ON Voltage	3.0 VDC min.
Residual Voltage	0.4 V max.	OFF Voltage	1.0 VDC max.
ON Response Time	0.2 ms max.	ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	0.3 ms max.	OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
No. of Circuits	32 points (16 points/common, 2 circuits)	No. of Circuits	32 points (16 points/common, 2 circuits)
Fuse	None	Number of Simultaneously ON Points	100% (16 points/common)
External Power Supply	5 VDC±10%, 40 mA min. (1.2 mA × No. of ON points)		
Insulation Resistance	20 MΩ min. between the external terminals and the GR terminal (at 100 VDC)		
Dielectric Strength	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
Internal Current Consumption	5 VDC 190 mA max.		
Weight	110 g max.		
Accessories	None		

	CN1 (OUT)	CN2 (IN)
Circuit Configuration	<p>• The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.</p>	<p>• The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.</p>

Bit Allocations for Mixed I/O Unit

32-point Mixed I/O Unit

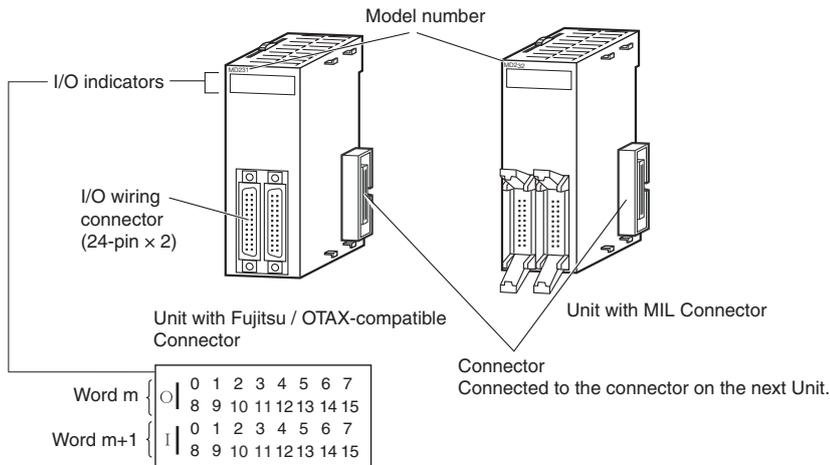
Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	
Wd m (Output)	00	OUT0/Jxx_Ch1_Out00
	01	OUT1/Jxx_Ch1_Out01
	:	:
	14	OUT14/Jxx_Ch1_Out14
	15	OUT15/Jxx_Ch1_Out15
Wd m+1 (Input)	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_In15

64-point Mixed I/O Unit

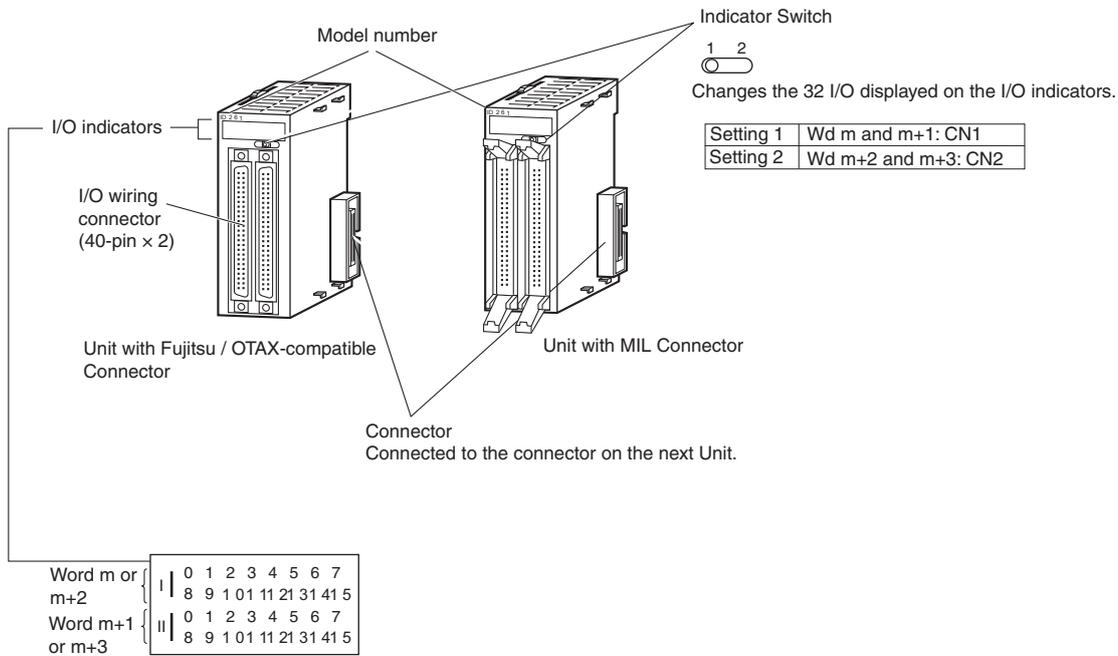
Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	
Wd m (Output)	00	OUT0/Jxx_Ch1_Out00
	01	OUT1/Jxx_Ch1_Out01
	:	:
	14	OUT14/Jxx_Ch1_Out14
	15	OUT15/Jxx_Ch1_Out15
Wd m+1 (Output)	00	OUT0/Jxx_Ch2_Out00
	01	OUT1/Jxx_Ch2_Out01
	:	:
	14	OUT14/Jxx_Ch2_Out14
	15	OUT15/Jxx_Ch2_Out15
Wd m+2 (Input)	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_In15
Wd m+3 (Input)	00	IN0/Jxx_Ch2_In00
	01	IN1/Jxx_Ch2_In01
	:	:
	14	IN14/Jxx_Ch2_In14
	15	IN15/Jxx_Ch2_In15

External Interface

32-point Units (Model with 24-pin × 2 Fujitsu / OTAX Connectors or with 20-pin × 2 MIL Connectors)



64-point Units (Models with Two 40-point Fujitsu / OTAX Connectors or MIL Connector)

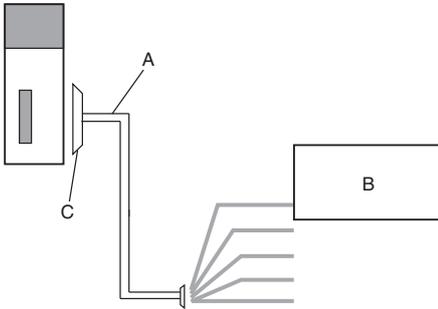


I/O Unit Wiring Methods

An I/O Unit can be connected to an external device by any of the following three methods.

1. User-provided Cable

An I/O Unit can be directly connected to an external device by using a connector.

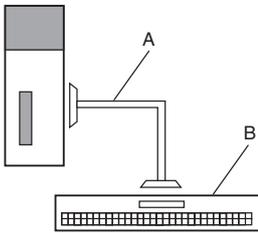


A	User-provided cable
B	External device
C	Connector

2. Connector-Terminal Block Conversion Unit

Use a Connecting Cable to connect to a Connector-Terminal Block Conversion Unit.

Converting the I/O Unit connector to a screw terminal block or push-in terminal block makes it easy to connect external devices.

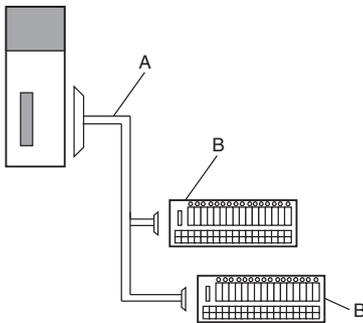


A	Connecting Cable for Connector-Terminal Block Conversion Unit XW2Z
B	Connector-Terminal Block Conversion Unit XW2□

3. I/O Relay Terminal

Use a Connecting Cable to connect to an I/O Relay Terminal.

The I/O specifications can be converted to relay outputs and AC inputs by connecting the I/O Relay Terminal to an I/O Unit.



A	Connecting Cable for I/O Relay Terminals XW2Z-R
B	I/O Relay Terminals G70V, G7TC Relay Terminals G70D, G70R I/O Terminal Socket G70A Or, conversion to relay outputs and AC inputs.

1. Using User-made Cables with Connector

Available Connectors

Use the following connectors when assembling a connector and cable.

32- and 64-point Basic I/O Units with Fujitsu / OTAX-compatible Connectors

Applicable Units

Model	Specifications	Pins
CJ1W-MD261	24-VDC Input/Transistor Output Units, 32 Inputs, 32 Outputs	40
CJ1W-MD231	24-VDC Input/Transistor Output Units, 16 Inputs, 16 Outputs	24

Applicable Cable-side Connectors

Connection	Pins	OMRON set	Fujitsu / OTAX parts
Solder-type	40	C500-CE404	Socket: Fujitsu FCN-361J040-AU Connector cover: Fujitsu FCN-360C040-J2 OTAX N360C040J2
	24	C500-CE241	Socket: Fujitsu FCN-361J024-AU Connector cover: Fujitsu FCN-360C024-J2 OTAX N360C024J2
Crimped	40	C500-CE405	Socket: Fujitsu FCN-363J040 OTAX N363J040 Connector cover: Fujitsu FCN-360C040-J2 OTAX N360C040J2 Contacts: Fujitsu FCN-363J-AU OTAX N363JAU
	24	C500-CE242	Socket: Fujitsu FCN-363J024 OTAX N363J024 Connector cover: Fujitsu FCN-360C024-J2 OTAX N360C024J2 Contacts: Fujitsu FCN-363J-AU OTAX N363JAU
Pressure-welded	40	C500-CE403	Fujitsu FCN-367J040-AU/F
	24	C500-CE243	Fujitsu FCN-367J024-AU/F OTAX N367J024AUF

32- and 64-point Basic I/O Units with MIL Connectors

Applicable Units

Model	Specifications	Pins
CJ1W-MD263	24-VDC Input/Transistor Output Units, 32 inputs, 32 outputs	40
CJ1W-MD563	TTL Input/TTL Output Units, 32 inputs, 32 outputs	
CJ1W-MD232	24-VDC Input/Transistor Output Units, 16 inputs, 16 outputs	20
CJ1W-MD233	24-VDC Input/Transistor Output Units, 16 inputs, 16 outputs	

Applicable Cable-side Connectors

Connection	Pins	OMRON set	DDK parts
Pressure-welded	40	XG4M-4030-T *1	FRC5-A040-3T0S
	20	XG4M-2030-T	FRC5-A020-3T0S
Crimped	40	XG5N-401 *2	HU-40OS2-001
	-	Crimp Contacts for XG5N *3 XG5W-0232 (loose contacts: 100 pieces) XG5W-0232-R (reel contacts: 10,000 pieces)	HU-111S

*1. Socket and Stain Relief set.

*2. Crimp Contacts (XG5W-0232) are sold separately.

*3. Applicable wire size is AWG 28 to 24. For applicable conductor construction and more information, visit the OMRON website at www.ia.omron.com.

Wire Size

We recommend using cable with wire gauges of AWG 28 to 24 (0.08 to 0.2 mm²). Use cable with external wire diameters of 1.61 mm max.

Crimping Tools

The following models are recommended for crimping tools and pressure-welding tools for Fujitsu / OTAX connectors.

Tools for Crimped Connectors (Fujitsu Component)

Product Name	Model
Hand Crimping Tool	FCN-363T-T005/H
Contact Withdrawal Tool	FCN-360T-T001/H

Tools for Pressure-welded Connectors (Fujitsu Component)

Product Name	Model
Hand Press	FCN-707T-T101/H
Cable Cutter	FCN-707T-T001/H
Locator Plate	FCN-367T-T012/H

The following models are recommended for tools for OMRON MIL connectors.

Tools for Pressure-welded Connectors (OMRON)

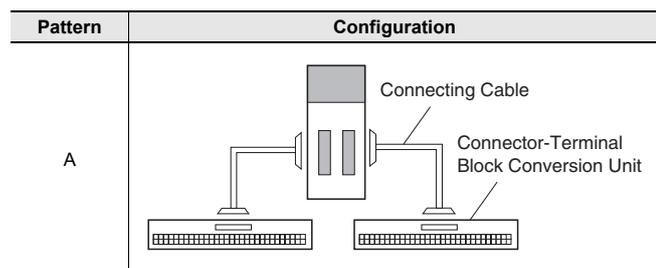
Product Name	Model
Pressure-welding Tool	XY2B-0002
Attachment	XY2B-1007

Tools for Crimped Connectors (OMRON)

Product Name	Model
Manual Crimping Tool	XY2B-7007

2. Connecting Connector-Terminal Block Conversion Units

Connection Patterns for Connector-Terminal Block Conversion Units



Combination of I/O Units with Connector-Terminal Block Conversion Units

Unit	I/O capacity	Number of connectors	Polarity	Connection pattern	Connecting Cable *	Connector-Terminal Block Conversion Unit	Wiring method	Common terminals
CJ1W-MD231	16 inputs	1 Fujitsu / OTAX connectors	NPN/PNP	A	XW2Z-□□□A	XW2K-20G-T	Push-In Plus	No
				A	XW2Z-□□□A	XW2K-20G-O16A-IN	Push-In Plus	Yes
				A	XW2Z-□□□A	XW2D-20G6	Phillips screw	No
				A	XW2Z-□□□A	XW2R-E20GD-T	Slotted screw (rise up)	No
	16 outputs	1 Fujitsu / OTAX connectors	NPN	A	XW2Z-□□□A	XW2K-20G-T	Push-In Plus	No
				A	XW2Z-□□□A	XW2K-20G-O16B-OUT	Push-In Plus	Yes
				A	XW2Z-□□□A	XW2D-20G6	Phillips screw	No
				A	XW2Z-□□□A	XW2R-E20GD-T	Slotted screw (rise up)	No
CJ1W-MD232	16 inputs	1 MIL connectors	NPN/PNP	A	XW2Z-□□□X	XW2K-20G-T	Push-In Plus	No
				A	XW2Z-□□□X	XW2D-20G6	Phillips screw	No
				A	XW2Z-□□□X	XW2R-E20GD-T	Slotted screw (rise up)	No
				A	XW2Z-□□□X	XW2K-20G-T	Push-In Plus	No
	16 outputs	1 MIL connectors	PNP	A	XW2Z-□□□X	XW2D-20G6	Phillips screw	No
				A	XW2Z-□□□X	XW2R-E20GD-T	Slotted screw (rise up)	No
				A	XW2Z-□□□X	XW2K-20G-T	Push-In Plus	No
				A	XW2Z-□□□X	XW2D-20G6	Phillips screw	No
CJ1W-MD233	16 inputs	1 MIL connectors	NPN/PNP	A	XW2Z-□□□X	XW2K-20G-T	Push-In Plus	No
				A	XW2Z-□□□X-R	XW2K-20G-O16A-IN	Push-In Plus	Yes
				A	XW2Z-□□□X	XW2D-20G6	Phillips screw	No
				A	XW2Z-□□□X	XW2R-E20GD-T	Slotted screw (rise up)	No
	16 outputs	1 MIL connectors	NPN	A	XW2Z-□□□X	XW2K-20G-T	Push-In Plus	No
				A	XW2Z-□□□X-R	XW2K-20G-O16B-OUT	Push-In Plus	Yes
				A	XW2Z-□□□X	XW2D-20G6	Phillips screw	No
				A	XW2Z-□□□X	XW2R-E20GD-T	Slotted screw (rise up)	No
CJ1W-MD261	32 inputs	1 Fujitsu / OTAX connectors	NPN/PNP	A	XW2Z-□□□B	XW2K-40G-O32A	Push-In Plus	No
				A	XW2Z-□□□B	XW2K-40G-O32A-IN	Push-In Plus	Yes
				A	XW2Z-□□□B	XW2R-J34GD-C1	Phillips screw	No
				A	XW2Z-□□□B	XW2R-E34GD-C1	Slotted screw (rise up)	No
	32 outputs	1 Fujitsu / OTAX connectors	NPN	A	XW2Z-□□□B	XW2K-40G-O32B	Push-In Plus	No
				A	XW2Z-□□□B	XW2K-40G-O32B-OUT	Push-In Plus	Yes
				A	XW2Z-□□□B	XW2R-J34GD-C3	Phillips screw	No
				A	XW2Z-□□□B	XW2R-E34GD-C3	Slotted screw (rise up)	No
CJ1W-MD263	32 inputs	1 MIL connectors	NPN/PNP	A	XW2Z-□□□K	XW2K-40G-O32C	Push-In Plus	No
				A	XW2Z-□□□K	XW2K-40G-O32C-IN	Push-In Plus	Yes
				A	XW2Z-□□□K	XW2R-J34GD-C2	Phillips screw	No
				A	XW2Z-□□□K	XW2R-E34GD-C2	Slotted screw (rise up)	No
	32 outputs	1 MIL connectors	NPN	A	XW2Z-□□□K	XW2K-40G-O32C	Push-In Plus	No
				A	XW2Z-□□□K	XW2K-40G-O32C-OUT	Push-In Plus	Yes
				A	XW2Z-□□□K	XW2R-J34GD-C4	Phillips screw	No
				A	XW2Z-□□□K	XW2R-E34GD-C4	Slotted screw (rise up)	No

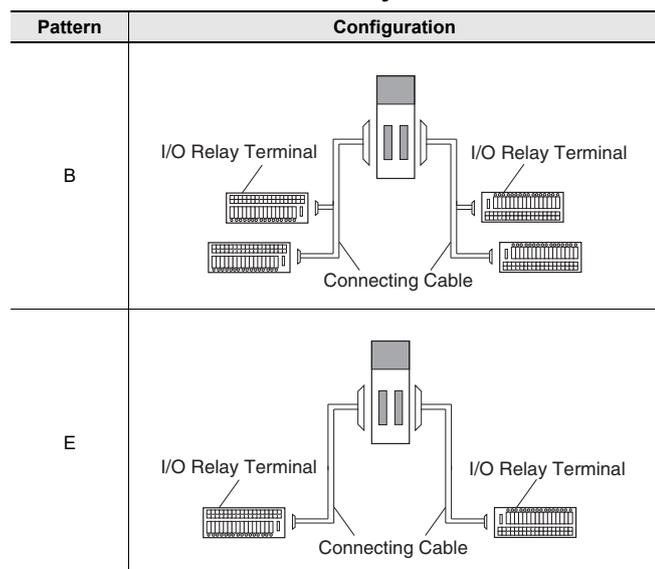
* The box □ is replaced by the cable length.

Unit	I/O capacity	Number of connectors	Polarity	Connection pattern	Connecting Cable *	Connector-Terminal Block Conversion Unit	Wiring method	Common terminals
CJ1W-MD563	32 inputs	1 MIL connectors	---	A	XW2Z-□□□K	XW2K-40G-O32C	Push-In Plus	No
				A	XW2Z-□□□K	XW2K-40G-O32C-IN	Push-In Plus	Yes
				A	XW2Z-□□□K	XW2R-J34GD-C2	Phillips screw	No
				A	XW2Z-□□□K	XW2R-E34GD-C2	Slotted screw (rise up)	No
	32 outputs	1 MIL connectors	---	A	XW2Z-□□□K	XW2K-40G-O32C	Push-In Plus	No
				A	XW2Z-□□□K	XW2K-40G-O32C-OUT	Push-In Plus	Yes
				A	XW2Z-□□□K	XW2R-J34GD-C4	Phillips screw	No
				A	XW2Z-□□□K	XW2R-E34GD-C4	Slotted screw (rise up)	No

* The box □ is replaced by the cable length.

3. Connecting I/O Relay Terminals

Connection Patterns for I/O Relay Terminals



Combination of I/O Units with I/O Relay Terminals and Connecting Cables

Model	I/O Units			Connection pattern	Connecting Cables		I/O Relay Terminals			
	I/O capacity	External connectors	Polarity		Model *1	Quantity required	Model	I/O points	Quantity required	Wiring method
CJ1W-MD231	16 inputs	1 Fujitsu / OTAX connector (24 p)	NPN/PNP	E	XW2Z-R□C	1	G70V-SID16P(-1)(-C16) *2	16	1	Push-in spring
							G7TC-ID/IA16	16		Screw terminal
	16 outputs	1 Fujitsu / OTAX connector (24 p)	NPN (Sinking)		XW2Z-R□C	1	G70V-SOC16P(-C4)	16	1	Push-in spring
							G7TC-OC16	16		Screw terminal
							G70D-SOC/FOM16	16		
							G70D-VSOC16/VFOM16	16		
G70A-ZOC16-3 *4	16									
G70R-SOC08 *3	8									
CJ1W-MD232	16 inputs	1 MIL connector (20 p)	NPN/PNP	E	XW2Z-RO□C	1	G70V-SID16P(-1)(-C16) *2	16	1	Push-in spring
							G7TC-ID/IA16	16		Screw terminal
	16 outputs	1 MIL connector (20 p)	PNP (Sourcing)		XW2Z-RI□C	1	G70V-SOC16P-1(-C4)	16	1	Push-in spring
							G70A-ZOC16-4 *4	16		Screw terminal
							G70D-SOC/FOM16-1	16		
							XW2Z-RO□C	1		
CJ1W-MD233	16 inputs	1 MIL connector (20 p)	NPN/PNP	E	XW2Z-RO□C	1	G70V-SID16P(-1)(-C16) *2	16	1	Push-in spring
							G7TC-ID/IA16	16		Screw terminal
	16 outputs	1 MIL connector (20 p)	NPN (Sinking)		XW2Z-RO□C	1	G70V-SOC16P(-C4)	16	1	Push-in spring
							G7TC-OC16	16		Screw terminal
							G70D-SOC/FOM16	16		
							G70D-VSOC16/VFOM16	16		
G70A-ZOC16-3 *4	16									
G70R-SOC08 *3	8									
CJ1W-MD261	32 inputs	1 Fujitsu / OTAX connector (40 p)	NPN/PNP	B	XW2Z-RI□C-□	1	G70V-SID16P(-1)(-C16) *2	16	2	Push-in spring
							G7TC-ID/IA16	16		Screw terminal
	32 outputs	1 Fujitsu / OTAX connector (40 p)	NPN (Sinking)		XW2Z-RO□C-□	1	G70V-SOC16P(-C4)	16	2	Push-in spring
							G7TC-OC16	16		Screw terminal
							G70D-SOC/FOM16	16		
							G70D-VSOC16/VFOM16	16		
G70A-ZOC16-3 *4	16									
G70R-SOC08 *3	8									

*1. The box □ is replaced by the cable length.

*2. Inputs can be either NPN or PNP.

*3. In addition to the G70R-SOC08, 8-point output G7TC-OC08 and G70D-SOC08 models are available.

*4. The G70A-ZOC16-3/4 has I/O terminal sockets. Mounted relays are sold separately.

In addition, an G70A-ZOC16-3/4 will be SPDT × 16 points with G2R relays.

I/O Units				Connection pattern	Connecting Cables		I/O Relay Terminals					
Model	I/O capacity	External connectors	Polarity		Model *1	Quantity required	Model	I/O points	Quantity required	Wiring method		
CJ1W-MD263	32 inputs	1 MIL connector (40 p)	NPN/PNP	B	XW2Z-RO□-□-D1	1	G70V-SID16P(-1)(-C16) *2	16	2	Push-in spring		
							G7TC-ID/IA16			16	Screw terminal	
	32 outputs	1 MIL connector (40 p)	NPN (Sinking)		XW2Z-RO□-□-D1	1	G70V-SOC16P(-C4)	16	2	16	Push-in spring	
							G7TC-OC16				16	Screw terminal
							G70D-SOC/FOM16				16	
							G70D-VSOC16/VFOM16				16	
							G70A-ZOC16-3 *4				16	
							G70R-SOC08 *3				8	

*1. The box □ is replaced by the cable length.

*2. Inputs can be either NPN or PNP.

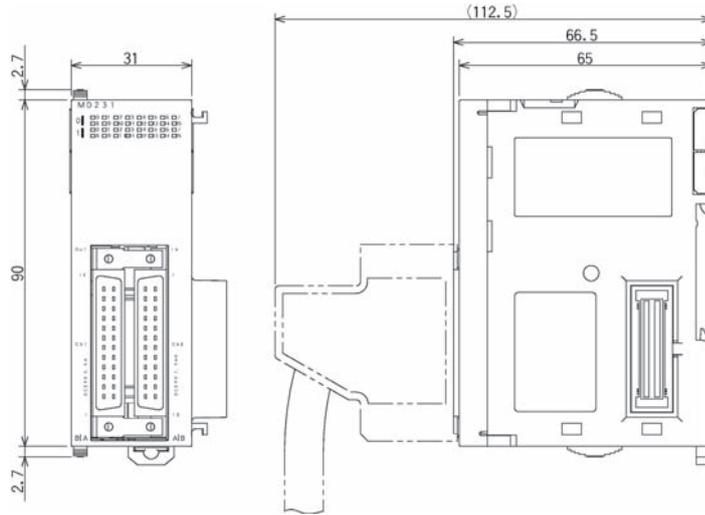
*3. G70R-SOC08 no longer available to order. In addition to the G70R-SOC08, 8-point output G7TC-OC08 and G70D-SOC08 models are available.

*4. The G70A-ZOC16-3/4 has I/O terminal sockets. Mounted relays are sold separately. In addition, an G70A-ZOC16-3/4 will be SPDT × 16 points with G2R relays.

Dimensions

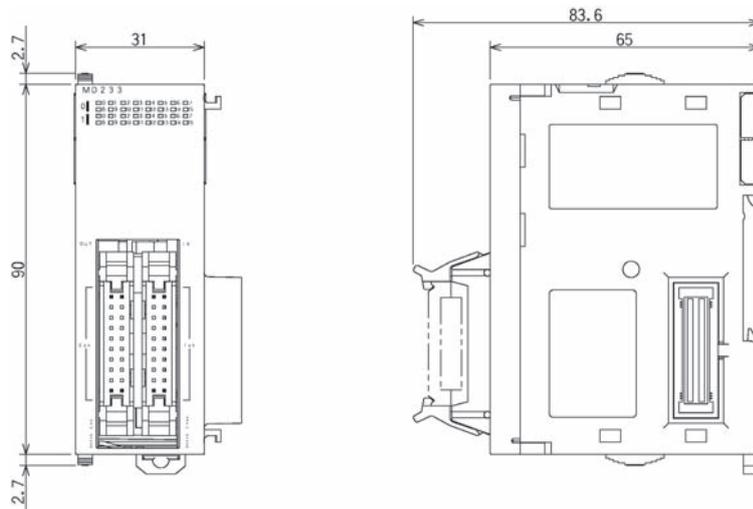
32-point Units (Mixed I/O Units)

With Fujitsu / OTAX-compatible connector (24-pin × 2)
CJ1W-MD231



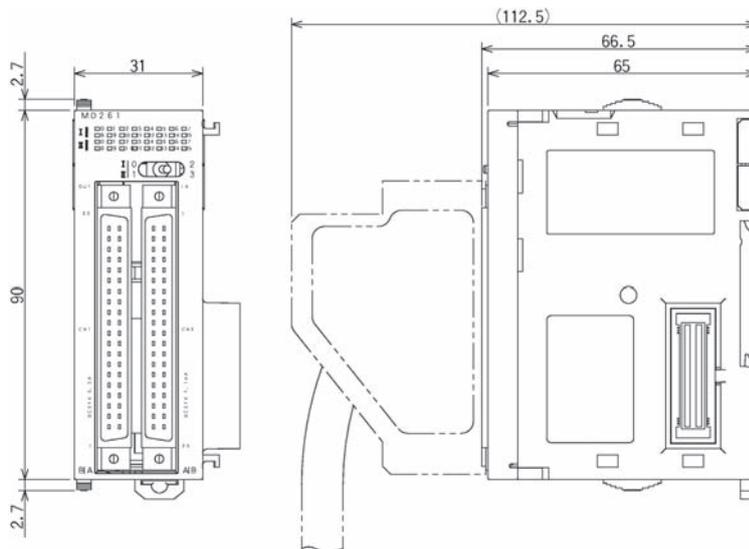
With MIL connector (20-pin × 2)

CJ1W-MD232
CJ1W-MD233



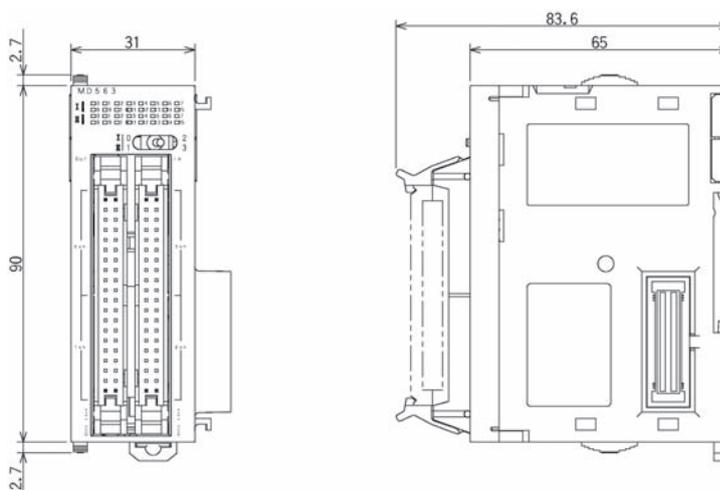
64-point Units (Mixed I/O Units)

With Fujitsu / OTAX-compatible connector (40-pin × 2)
CJ1W-MD261



With MIL connector (40-pin × 2)

CJ1W-MD263
CJ1W-MD563



Related Manuals

Name	Cat. No.	Contents
NJ-series CPU Unit Hardware User's Manual NJ501-□□□□	W500	An introduction to the entire NJ-series system is provided along with the following information on a Controller built with an NJ501 CPU Unit. <ul style="list-style-type: none"> • Features and system configuration • Introduction • Part names and functions • General specifications • Installation and wiring • Maintenance and inspection Use this manual together with the NJ-series CPU Unit Software User's Manual (Cat. No. W501).
CJ Series CJ1H-CPU□□H-R, CJ1G/H-CPU□□H, CJ1G-CPU□□P, CJ1G-CPU□□, CJ1M-CPU□□ Programmable Controllers Operation Manual	W393	Provides an outlines of and describes the design, installation, maintenance, and other basic operations for the CJ-series PLCs.
CJ-series CJ2H-CPU6□-EIP, CJ2H-CPU6□, CJ2M-CPU□□ CJ2 CPU Unit Hardware User's Manual	W472	Describes the following for CJ2 CPU Units: <ul style="list-style-type: none"> • Overview and features • Basic system configuration • Part nomenclature and functions • Mounting and setting procedure • Remedies for errors Also refer to the Software User's Manual (W473).

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