

A Wide Range of Basic Input Units for High Speed Input and Different Applications

- Receive ON/OFF signals from external devices into the PLC System to update I/O memory in the CPU Unit.
- New high-speed input models CJ1W-ID212 and CJ1W-ID233 are now available. These units can help to increase system throughput.



CJ1W-ID212



CJ1W-ID233

Features

- High-speed input models are available, meeting versatile applications.
ON Response Time: 15μs, OFF Response Time: 90μs
- Use 24-VDC, 100-VAC, and 200-VAC models to connect to devices with different types of outputs.
- The 24-VDC models can be connected to devices with either NPN or PNP outputs. There is no need to select the polarity. *1
- A digital filter in the Unit can be set from 0 to 32 ms to reduce the influence of external noise.
- Either a Fujitsu or MIL connector interface can be used. *2
- Several models of Terminal Block Conversion Units are available, making it easy to connect to external devices.

*1. The same polarity is used for the same common.



*2. For models with 32 or 64 inputs.

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.

Input Units

Unit type	Product name	Specifications					Current consumption (A)		Model	Standards
		I/O points	Input voltage and current	Commons	External connection	No. of words allocated	5 V	24 V		
CJ1 Basic I/O Units	DC Input Units 	8 inputs	12 to 24 VDC, 10 mA	Independent contacts	Removable terminal block	1 word	0.09	—	CJ1W-ID201	UC1, N, L, CE
		16 inputs	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.08	—	CJ1W-ID211	
		16 inputs (High speed)	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.13	—	CJ1W-ID212	N, L, CE
		32 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu connector	2 words	0.09	—	CJ1W-ID231	UC1, N, L, CE
		32 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.09	—	CJ1W-ID232	
		32 inputs (High speed)	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.20	—	CJ1W-ID233	N, L, CE
		64 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu connector	4 words	0.09	—	CJ1W-ID261	
		64 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	4 words	0.09	—	CJ1W-ID262	
	AC Input Units 	8 inputs	200 to 24 VAC, 10 mA (200 V, 50 Hz)	8 points, 1 common	Removable Terminal Block	1 words	0.08	—	CJ1W-IA201	UC1, N, L, CE
		16 inputs	100 to 120 VAC, 7 mA (100 V, 50 Hz)	16 points, 1 common	Removable Terminal Block	1 words	0.09	—	CJ1W-IA111	

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 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	FCN-361J040-AU Connector FCN-360C040-J2 Connector Cover	Fujitsu 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	FCN-363J040 Housing FCN-363J-AU Contactor FCN-360C040-J2 Connector Cover		C500-CE405	
	Pressure welded	FCN-367J040-AU/F		C500-CE403	
24-pin Connectors	Soldered	FCN-361J024-AU Connector FCN-360C024-J2 Connector Cover	Fujitsu Connectors: CJ1W-MD231 (16 inputs, 16 outputs): 2 per Unit	C500-CE241	-
	Crimped	FCN-363J024 Housing FCN-363J-AU Contactor FCN-360C024-J2 Connector Cover		C500-CE242	
	Pressure welded	FCN-367J024-AU/F		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-ID232/233 (32 inputs): 1 per Unit CJ1W-OD232/233/234 (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	-
20-pin Connectors	Pressure welded	FRC5-AO20-3TOS	MIL Connectors: CJ1W-MD232/233 (16 inputs, 16 outputs): 2 per Unit	XG4M-2030-T	

Applicable Connector-Terminal Block Conversion Units

Type	Series	I/O	Number of poles	Terminal type	Size			Mounting		Common terminals	Bleeder resistance	Indicators	Model	Standards
					Depth (mm)	Height (mm)	Width (mm)	DIN Track	Screws					
Slim	XW2D	I/O	20	M3	39	40	79	Yes	Yes	No	No	No	XW2D-20G6	
													XW2D-40G6	
		Inputs only	40				149						XW2D-40C6	
													XW2D-40G6-RF	
													XW2D-40G6-RM	
Through	XW2B	I/O	20	M3.5	45	45.3	112.5	Yes	Yes	No	No	No	XW2B-20G5	
				M3 (European type)			67.5						XW2B-20G4	
				M3.5			202.5						XW2B-40G5	
		40	M3 (European type)	135			XW2B-40G4							
With common terminals	XW2C	I/O	20	M3	39	40	149	Yes	Yes	Yes	No	No	XW2C-20G6-IO16	
		Inputs only	20	M3.5	50	38	160					Yes	Yes	
With common terminals, 3-tier	XW2E	Inputs only, 3 tiers	20	M3.5	50	53	149	Yes	Yes	Yes	No	No	XW2E-20G5-IN16	
Screwless clamp terminals	XW2F	Inputs only	20	Clamp	50	40	95.5	Yes	Yes	Yes	No	No	XW2F-20G7-IN16	
		Outputs only	20	Clamp	50	40	95.5	Yes	Yes	Yes	No	No	XW2F-20G7-OUT16	
e-CON	XW2N	Inputs only	20	e-CON connector	50	40	95.5	Yes	Yes	Yes	No	No	XW2N-20G8-IN16	

Note: For the combination of Input Units with Connector-Terminal Block Conversion Units, refer to 2. Connecting Connector-Terminal Block Conversion Units.

Applicable I/O Relay Terminals

Type	Series		Specifications							Size (horizontal mounting)			Mounting		Model	Standards		
			Classification		Polarity	Number of points	Rated ON current at contacts	Operation indicators	Terminal block for power supply wiring	Horizontal (mm)	Vertical (mm)	Height (mm)	DIN Track	Screws				
Space-saving		Vertical type G70D-V	Relay outputs	NPN	16 (SPST-NO × 16)	5A or 3A	Yes	Expandable	135	46	81	Yes	Yes	G70D-VS0C16		U, C, CE		
			MOSFET relay outputs			0.3A								G70D-VF0M16				
	G70D	Flat type G70D	Outputs	Relay outputs	NPN	8 (SPST-NO × 8)	5A	Yes	—	68	93	44	Yes	Yes	G70D-SOC08		—	
						16 (SPST-NO × 16)	3A			G70D-SOC16		—						
						PNP	16 (SPST-NO × 16)			3A	G70D-SOC16-1				—			
				MOSFET relay outputs	NPN	16 (SPST-NO × 16)	0.3A			G70D-F0M16		—						
					PNP	16 (SPST-NO × 16)	0.3A			G70D-F0M16-1					—			
High-capacity, space-saving	G70R		Outputs	Relay outputs	NPN	8 (SPST-NO × 8)	10A	Yes	—	136	93	55	Yes	Yes	G70R-SOC08		—	
Standard	G7TC	Inputs	AC inputs	NPN	16 (SPST-NO × 16)	1A	Yes	—	182	85	68	Yes	—	G7TC-IA16		U, C		
			DC inputs						G7TC-ID16									
		Outputs	Relay outputs	NPN	8 (SPST-NO × 8)	5A			102					G7TC-OC08				
					16 (SPST-NO × 16)				G7TC-OC16									
				PNP	16 (SPST-NO × 16)	G7TC-OC16-1			—									
High-capacity socket	G70A (Socket only)		Outputs	Relay outputs	NPN	16 (SPDT × 16 possible with G2R Relays)	10 A (Terminal block allowable current)	No	—	234	75	64	Yes	—	G70A-ZOC16-3 (Socket only) + Relay/SSR/ MOSFET Relay/ Timer		U, C, CE	
					PNP										G70A-ZOC16-4 (Socket only) + Relay/SSR/ MOSFET Relay/ Timer			

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

Mountable Racks

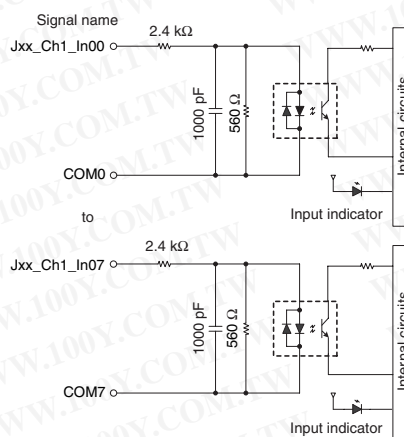
Model	NJ system		CJ system (CJ1, CJ2)		CP1H system	NSJ system	
	CPU Rack	Expansion Rack	CPU Rack	Expansion Backplane	CP1H PLC	NSJ Controller	Expansion Backplane
CJ1W-ID201	10 Units	10 Units (per Expansion Rack)	10 Units	10 Units (per Expansion Backplane)	Not supported	Not supported	10 Units (per Expansion Backplane)
CJ1W-ID211							
CJ1W-ID212							
CJ1W-ID231							
CJ1W-ID232							
CJ1W-ID233							
CJ1W-ID261							
CJ1W-ID262							
CJ1W-IA201							
CJ1W-IA111							

Specifications

CJ1W-ID201 DC Input Unit (12 to 24-VDC, 8 Points)

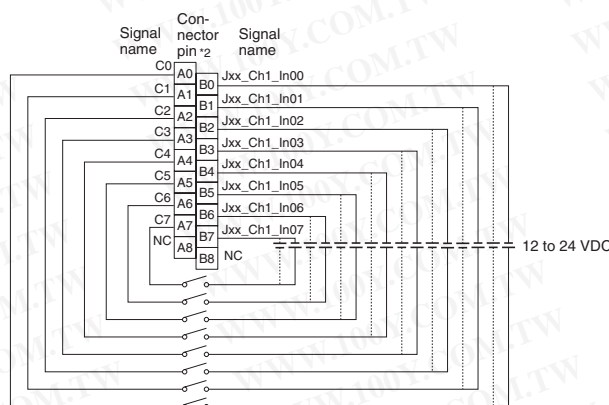
Name	8-point DC Input Unit with Terminal Block
Model	CJ1W-ID201
Rated Input Voltage	12 to 24 VDC
Rated Input Voltage Range	10.2 to 26.4 VDC
Input Impedance	2.4 k Ω
Input Current	10 mA typical (at 24 VDC)
ON Voltage/ON Current	8.8 VDC min./3 mA min.
OFF Voltage/OFF Current	3 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
Number of Circuits	8 independent circuits
Number of Simultaneously ON Points	100% simultaneously ON
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	80 mA max.
Weight	110 g max.

Circuit Configuration



- 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



- Polarity of the input power supply can be connected in either direction.
- 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.

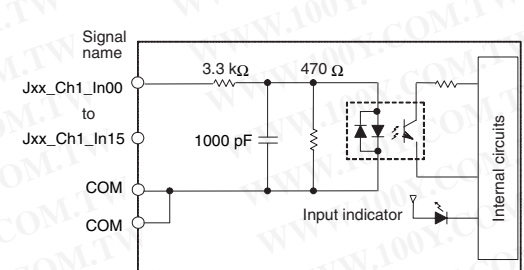
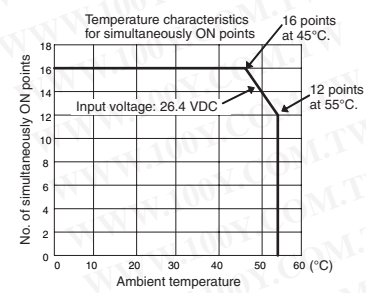
*1. The ON response time will be 20 μ s maximum and OFF response time will be 400 μ s maximum even if the response time are set to 0 ms due to internal element delays.

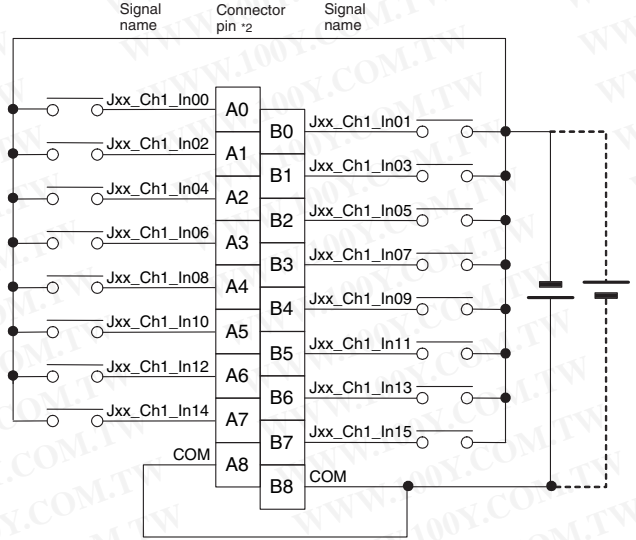
*2. Terminal numbers A0 to A8 and B0 to B8 are used in the external connection and terminal-device variable diagrams. They are not printed on the Units.

Note: Although 16 I/O bits (1 word) are allocated, only 8 of these can be used for external I/O.

CJ1W-ID211 DC Input Unit (24 VDC, 16 Points)

Name	16-point DC Input Unit with Terminal Block
Model	CJ1W-ID211
Rated Input Voltage	24 VDC
Rated Input Voltage Range	20.4 to 26.4 VDC
Input Impedance	3.3 k Ω
Input Current	7 mA typical (at 24 VDC)
ON Voltage/ON Current	14.4 VDC min./3 mA min.
OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
Number of Circuits	16 (16 points/common, 1 circuit)
Number of Simultaneously ON Points	100% simultaneously ON (at 24 VDC) (Refer to the following illustration.)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	80 mA max.
Weight	110 g max.

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>Temperature characteristics for simultaneously ON points 16 points at 45°C. 12 points at 55°C. Input voltage: 26.4 VDC</p>
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External connection and terminal-device variable diagram	 <p>• Polarity of the input power supply can be connected in either direction. • 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>
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*1. The ON response time will be 20 μ s maximum and OFF response time will be 400 μ s maximum even if the response time are set to 0 ms due to internal element delays.

*2. Terminal numbers A0 to A8 and B0 to B8 are used in the external connection and terminal-device variable diagrams. They are not printed on the Units.

CJ1W-ID212 DC Input Unit (24 VDC, 16 Points)

Name	16-point DC Input Unit with Terminal Block
Model	CJ1W-ID212
Rated Input Voltage	24 VDC
Rated Input Voltage Range	20.4 to 26.4 VDC
Input Impedance	3.3 k Ω
Input Current	7 mA typical (at 24 VDC)
ON Voltage/ON Current	14.4 VDC min./3 mA min.
OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
Number of Circuits	16 (16 points/common, 1 circuit)
Number of Simultaneously ON Points	100% simultaneously ON (at 24 VDC) (Refer to the following illustration.)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	130 mA max.
Weight	110 g max.

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>	
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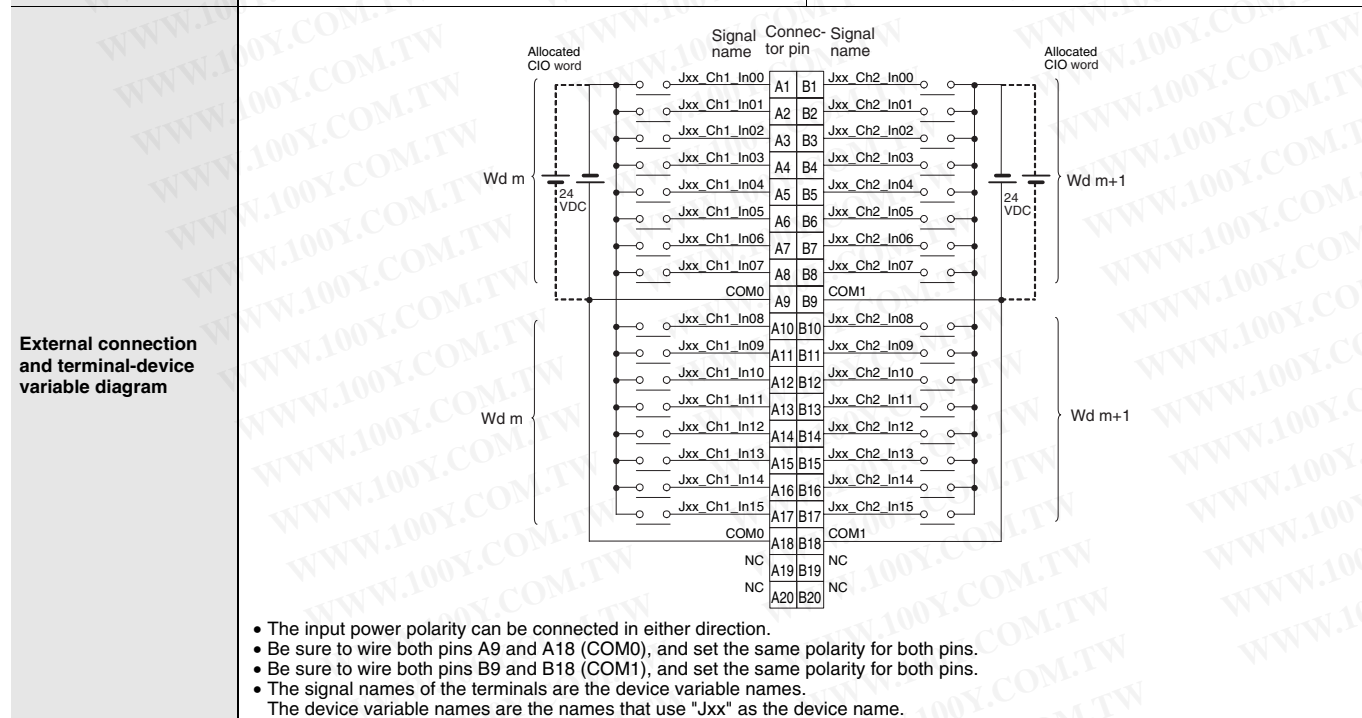
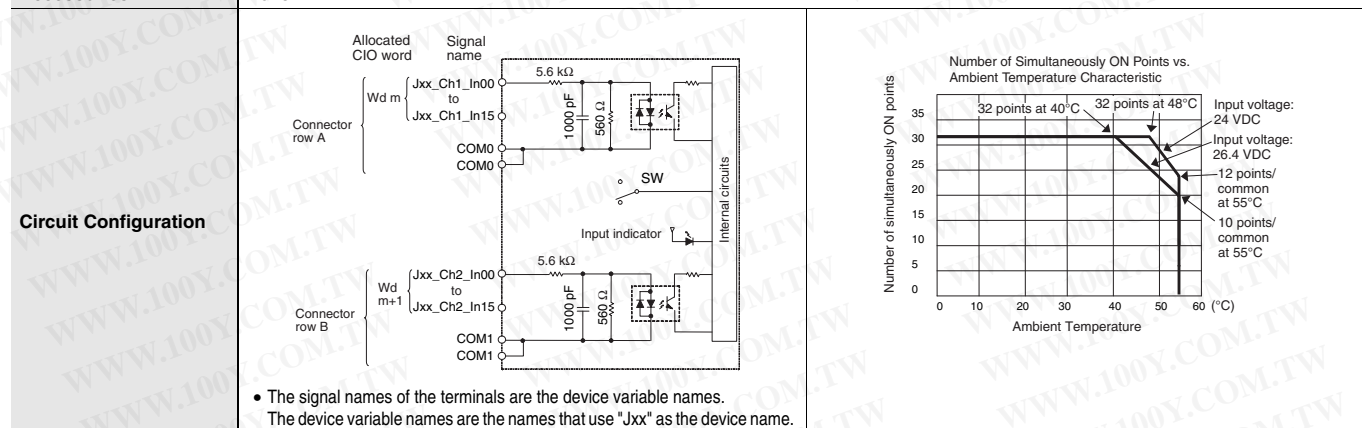
External connection and terminal-device variable diagram	<p>• Polarity of the input power supply can be connected in either direction. • The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.</p>
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*1. The ON response time will be 15 μ s maximum and OFF response time will be 90 μ s maximum even if the response time are set to 0 ms due to internal element delays.

*2. Terminal numbers A0 to A8 and B0 to B8 are used in the external connection and terminal-device variable diagrams. They are not printed on the Units.

CJ1W-ID231 DC Input Unit (24 VDC, 32 Points)

Name	32-point DC Input Unit with Fujitsu Connector
Model	CJ1W-ID231
Rated Input Voltage	24 VDC
Rated Input Voltage Range	20.4 to 26.4 VDC
Input Impedance	5.6 k Ω
Input Current	4.1 mA typical (at 24 VDC)
ON Voltage/ON Current	19.0 VDC min./3 mA min.
OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
Number of Circuits	32 (16 points/common, 2 circuits)
Number of Simultaneously ON Points	75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	90 mA max.
Weight	70 g max.
Accessories	None



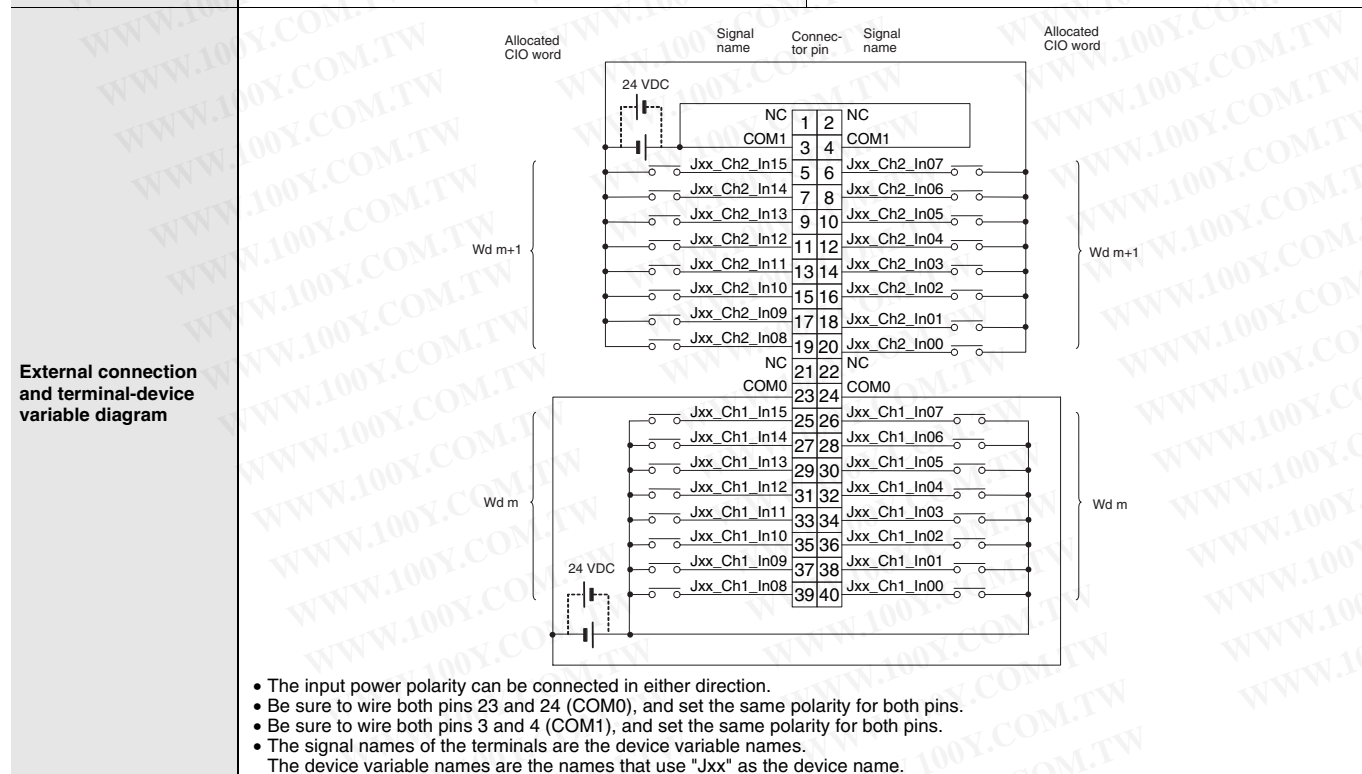
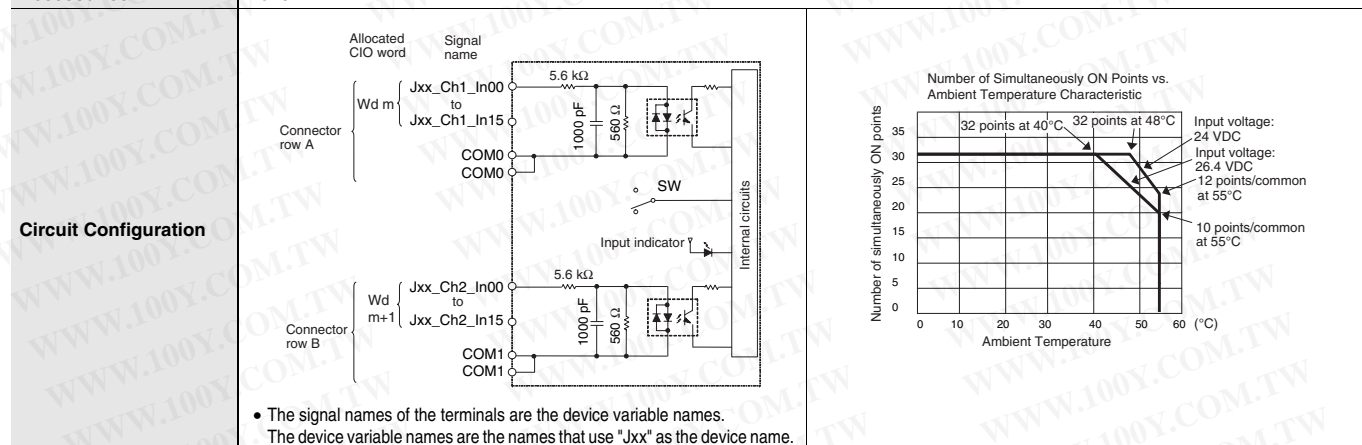
* The ON response time will be 20 μ s maximum and OFF response time will be 400 μ s maximum even if the response times are set to 0 ms due to internal element delays.

Note: 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-ID232 DC Input Unit (24 VDC, 32 Points)

Name	32-point DC Input Unit with MIL Connector
Model	CJ1W-ID232
Rated Input Voltage	24 VDC
Rated Input Voltage Range	20.4 to 26.4 VDC
Input Impedance	5.6 k Ω
Input Current	4.1 mA typical (at 24 VDC)
ON Voltage/ON Current	19.0 VDC min./3 mA min.
OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
Number of Circuits	32 (16 points/common, 2 circuits)
Number of Simultaneously ON Points	75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	90 mA max.
Weight	70 g max.
Accessories	None



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

Note: 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.

- 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-ID261 DC Input Unit (24 VDC, 64 Points)

Name	64-point DC Input Unit with Fujitsu Connector
Model	CJ1W-ID261
Rated Input Voltage	24 VDC
Rated Input Voltage Range	20.4 to 26.4 VDC
Input Impedance	5.6 k Ω
Input Current	4.1 mA typical (at 24 VDC)
ON Voltage/ON Current	19.0 VDC min./3 mA min.
OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
Number of Circuits	64 (16 points/common, 4 circuits)
Number of Simultaneously ON Points	50% (16 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustrations.)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	90 mA max.
Weight	110 g max.
Accessories	None

<div>Circuit Configuration</div>	<div><div><div><div><div>Allocated CIO word</div><div>Signal name</div><div>Connector</div><div>Signal name</div><div>Allocated CIO word</div></div><div><div><div><div><div>Wd m</div><div>Jxx_Ch1_In00 to Jxx_Ch1_In15</div><div>COM0</div></div><div>5.6 kΩ</div><div>1000 pF</div><div>560 Ω</div><div>Internal circuits</div></div><div><div><div><div>Wd m+1</div><div>Jxx_Ch2_In00 to Jxx_Ch2_In15</div><div>COM1</div></div><div>SW</div><div>Input indicator</div><div>Indicator switching circuit</div></div></div></div><div><div><div><div>Wd m+2</div><div>Jxx_Ch3_In00 to Jxx_Ch3_In15</div><div>COM2</div></div><div>5.6 kΩ</div><div>1000 pF</div><div>560 Ω</div><div>Internal circuits</div></div><div><div><div><div>Wd m+3</div><div>Jxx_Ch4_In00 to Jxx_Ch4_In15</div><div>COM3</div></div></div></div></div></div><div><div>• 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.</div></div></div></div></div>	<div><div>Number of Simultaneously ON Points vs. Ambient Temperature Characteristic</div><div><div><div>64 points at 25°C</div><div>64 points at 35°C</div><div>64 points at 47°C</div><div>Input voltage: 20.4 VDC</div><div>12 points/common (total: 45 points) at 55°C</div><div>8 points/common (total: 26 points max.) at 55°C</div><div>Input voltage: 24 VDC</div><div>Input voltage: 26.4 VDC</div></div><div><div>Number of simultaneously ON points</div><div>Ambient Temperature (°C)</div></div></div></div>
	<div><div>CN1</div><div><div><div><div>Allocated CIO word</div><div>Signal name</div><div>Connector pin</div><div>Signal name</div><div>Allocated CIO word</div></div><div><div><div><div>Wd m+1</div><div><div><div><div>NC</div><div>B20</div><div>A20</div></div><div>NC</div><div>B19</div><div>A19</div><div>NC</div></div><div>COM1</div><div><div><div><div>Jxx_Ch2_In15</div><div>Jxx_Ch2_In14</div><div>Jxx_Ch2_In13</div><div>Jxx_Ch2_In12</div><div>Jxx_Ch2_In11</div><div>Jxx_Ch2_In10</div><div>Jxx_Ch2_In09</div><div>Jxx_Ch2_In08</div></div><div><div><div><div>A10</div><div>A9</div><div>A8</div><div>A7</div><div>A6</div><div>A5</div><div>A4</div><div>A3</div><div>A2</div><div>A1</div></div><div><div><div><div>Jxx_Ch1_In08</div><div>Jxx_Ch1_In09</div><div>Jxx_Ch1_In10</div><div>Jxx_Ch1_In11</div><div>Jxx_Ch1_In12</div><div>Jxx_Ch1_In13</div><div>Jxx_Ch1_In14</div><div>Jxx_Ch1_In15</div></div></div></div><div>COM0</div><div><div><div><div>Wd m</div><div><div><div><div>Wd m</div><div>24 VDC</div></div><div><div><div><div>Wd m</div><div>24 VDC</div></div></div></div></div></div></div></div><div><div>• The input power polarity can be connected in either direction. • Be sure to wire both pins A9 and A18 (COM0) of CN1, and set the same polarity for both pins. • Be sure to wire both pins B9 and B18 (COM1) of CN1, 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.</div></div></div></div></div></div></div></div></div></div></div></div></div></div>	<div><div>CN2</div><div><div><div><div>Allocated CIO word</div><div>Signal name</div><div>Connector pin</div><div>Signal name</div><div>Allocated CIO word</div></div><div><div><div><div>Wd m+2</div><div><div><div><div><div>Jxx_Ch3_In00</div><div>Jxx_Ch3_In01</div><div>Jxx_Ch3_In02</div><div>Jxx_Ch3_In03</div><div>Jxx_Ch3_In04</div><div>Jxx_Ch3_In05</div><div>Jxx_Ch3_In06</div><div>Jxx_Ch3_In07</div></div><div><div><div><div>A1</div><div>A2</div><div>A3</div><div>A4</div><div>A5</div><div>A6</div><div>A7</div><div>A8</div></div><div><div><div><div>B1</div><div>B2</div><div>B3</div><div>B4</div><div>B5</div><div>B6</div><div>B7</div><div>B8</div></div></div></div><div>COM2</div><div><div><div><div>Wd m+2</div><div><div><div><div><div>Jxx_Ch3_In08</div><div>Jxx_Ch3_In09</div><div>Jxx_Ch3_In10</div><div>Jxx_Ch3_In11</div><div>Jxx_Ch3_In12</div><div>Jxx_Ch3_In13</div><div>Jxx_Ch3_In14</div><div>Jxx_Ch3_In15</div></div><div><div><div><div>A10</div><div>A11</div><div>A12</div><div>A13</div><div>A14</div><div>A15</div><div>A16</div><div>A17</div></div><div><div><div><div>B9</div><div>B10</div><div>B11</div><div>B12</div><div>B13</div><div>B14</div><div>B15</div><div>B16</div></div></div></div><div>COM3</div><div><div><div><div>Wd m+3</div><div><div><div><div><div>Jxx_Ch4_In00</div><div>Jxx_Ch4_In01</div><div>Jxx_Ch4_In02</div><div>Jxx_Ch4_In03</div><div>Jxx_Ch4_In04</div><div>Jxx_Ch4_In05</div><div>Jxx_Ch4_In06</div><div>Jxx_Ch4_In07</div></div><div><div><div><div>A9</div><div>A10</div><div>A11</div><div>A12</div><div>A13</div><div>A14</div><div>A15</div><div>A16</div><div>A17</div><div>A18</div><div>A19</div><div>A20</div></div><div><div><div><div>B1</div><div>B2</div><div>B3</div><div>B4</div><div>B5</div><div>B6</div><div>B7</div><div>B8</div><div>B9</div><div>B10</div><div>B11</div><div>B12</div><div>B13</div><div>B14</div><div>B15</div><div>B16</div><div>B17</div><div>B18</div><div>B19</div><div>B20</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div> </

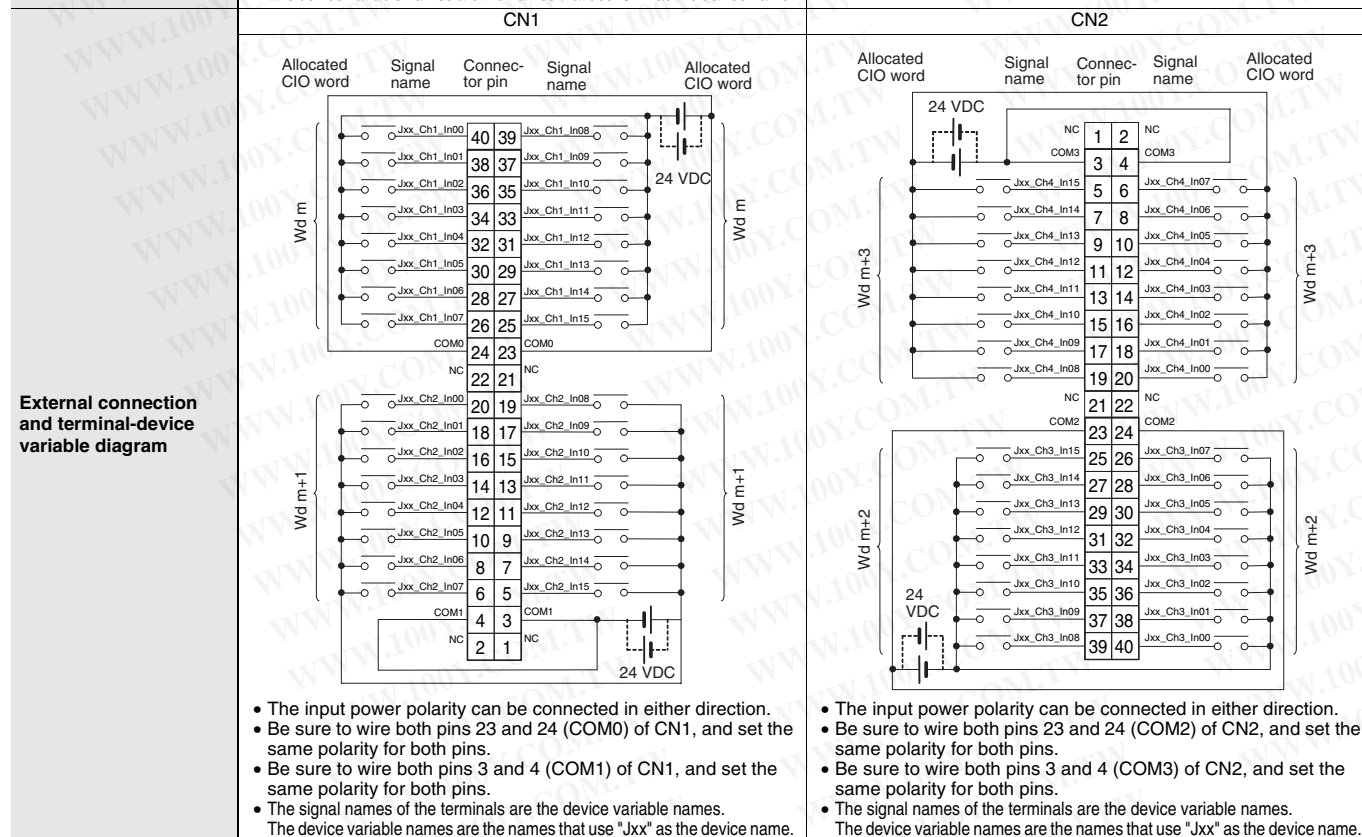
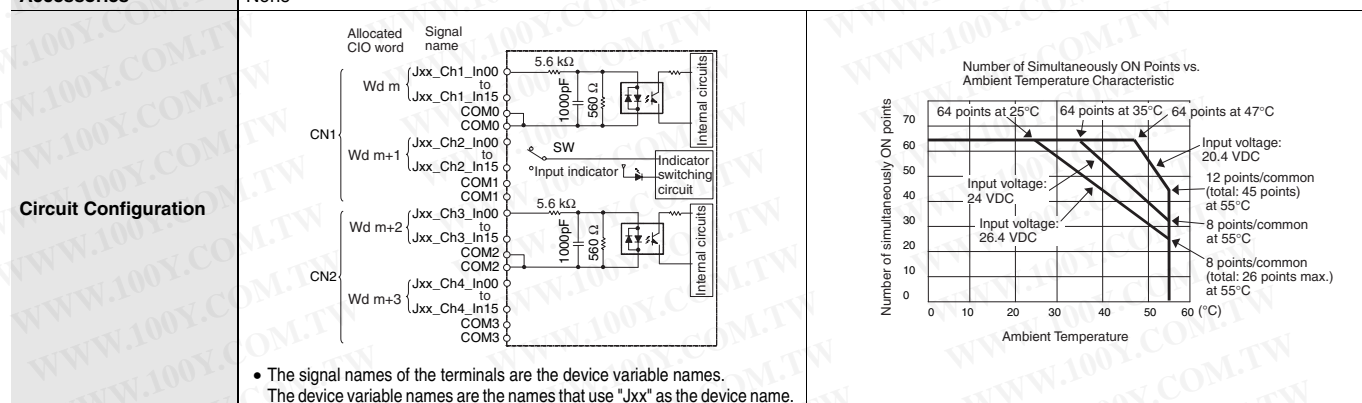
* The ON response time will be 120 μ s maximum and OFF response time will be 400 μ s maximum even if the response times are set to 0 ms due to internal element delays.

Note: 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-ID262 DC Input Unit (24 VDC, 64 Points)

Name	64-point DC Input Unit with MIL Connector
Model	CJ1W-ID262
Rated Input Voltage	24 VDC
Rated Input Voltage Range	20.4 to 26.4 VDC
Input Impedance	5.6 k Ω
Input Current	4.1 mA typical (at 24 VDC)
ON Voltage/ON Current	19.0 VDC min./3 mA min.
OFF Voltage/OFF Current	5 VDC max./1 mA max.
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
OFF Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
Number of Circuits	64 (16 points/common, 4 circuits)
Number of Simultaneously ON Points	50% (8 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustrations.)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (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	90 mA max.
Weight	110 g max.
Accessories	None



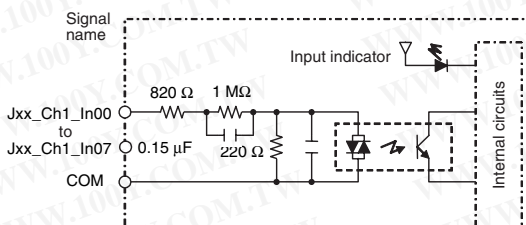
* The ON response time will be 120 μ s maximum and OFF response time will be 400 μ s maximum even if the response times are set to 0 ms due to internal element delays.

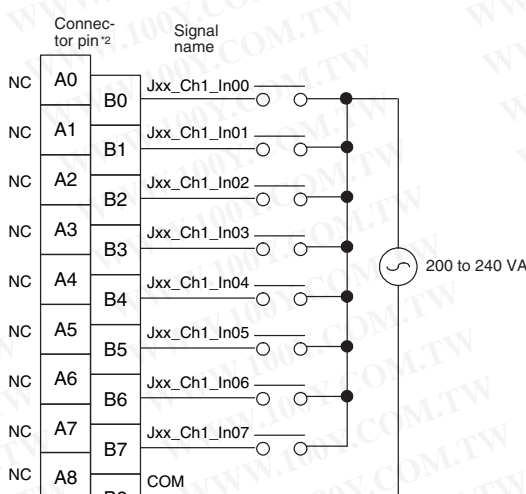
Note: Observe the following restrictions when connecting to a 2-wire sensor.

- 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-IA201 AC Input Unit (200 VAC, 8 Points)

Name	8-point AC Input Unit with Terminal Block
Model	CJ1W-IA201
Rated Input Voltage	200 to 240 VAC 50/60 Hz
Rated Input Voltage Range	170 to 264 VAC
Input Impedance	21 k Ω (50 Hz), 18 k Ω (60 Hz)
Input Current	9 mA typical (at 200 VAC, 50 Hz), 11 mA typical (at 200 VAC, 60 Hz)
ON Voltage/ON Current	120 VAC min./4 mA min.
OFF Voltage/OFF Current	40 VAC max./2 mA max.
ON Response Time	18.0 ms max. (default setting: 8 ms) *1
OFF Response Time	48.0 ms max. (default setting: 8 ms) *1
Number of Circuits	8 (8 points/common, 1 circuit)
Number of Simultaneously ON Points	100% (8 points/common) simultaneously ON
Insulation Resistance	20 M Ω between external terminals and the GR terminal (500 VDC)
Dielectric Strength	2,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
Internal Current Consumption	80 mA max.
Weight	130 g max.
Accessories	None

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.
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External connection and terminal-device variable diagram	 <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.
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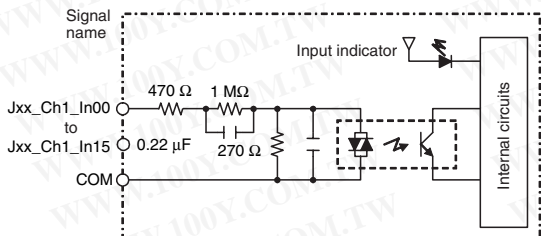
*1. Can be set to 0 ms, 0.5 ms, 1 ms, 2 ms, 4 ms, 8 ms, 16 ms, or 32ms in the settings. When the response times have been set to 0 ms, the ON response time will be 10 ms maximum and the OFF response time will be 40 ms maximum due to internal element delays.

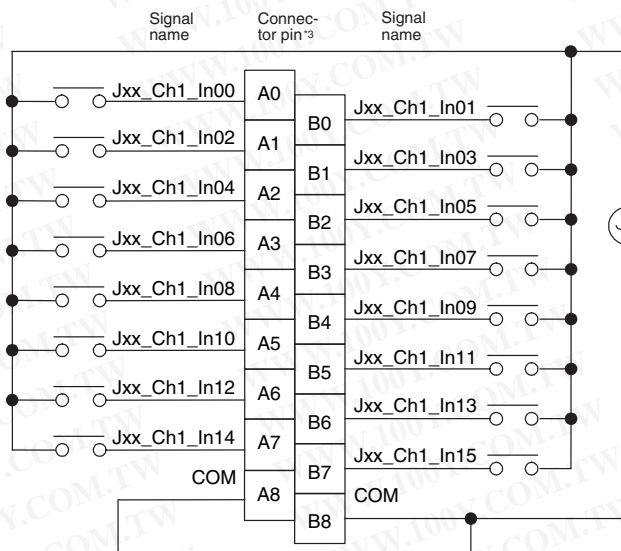
*2. Terminal numbers A0 to A8 and B0 to B8 are used in the external connection and terminal-device variable diagrams. They are not printed on the Units.

Note: Although 16 I/O bits (1 word) are allocated, only 8 of these can be used for external I/O.

CJ1W-IA111 AC Input Unit (100 VAC, 16 points)

Name	16-point AC Input Unit with Terminal Block
Model	CJ1W-IA111
Rated input voltage	100 to 120 VAC 50/60 Hz *2
Rated Input Voltage Range	85 to 132 VAC
Input Impedance	14.5 k Ω (50 Hz), 12 k Ω (60 Hz)
Input Current	7 mA typical (at 100 VAC, 50 Hz), 8 mA typical (at 100 VAC, 60 Hz)
ON Voltage/ON Current	70 VAC min./4 mA min
OFF Voltage/OFF Current	20 VAC max./2 mA max
ON Response Time	18 ms max. (default setting: 8 ms) *1
OFF Response Time	48 ms max. (default setting: 8 ms) *1
Number of Circuits	16 (16 points/common, 1 circuit)
Number of Inputs ON Simultaneously	100% simultaneously ON (16 points/common)
Insulation Resistance	20 M Ω between external terminals and the GR terminal (500 VDC)
Dielectric Strength	2,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
Internal Current Consumption	90 mA max.
Weight	130 g max.
Accessories	None

Circuit Layout	 <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.
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External connection and terminal-device variable diagram	 <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. Can be set to 0 ms, 0.5 ms, 1 ms, 2 ms, 4 ms, 8 ms, 16 ms, or 32ms in the settings. When the response times have been set to 0 ms, the ON response time will be 10 ms maximum and the OFF response time will be 40 ms maximum due to internal element delays.

*2. Use an input voltage of 90 VAC or higher when connecting 2-wire sensors.

*3. Terminal numbers A0 to A8 and B0 to B8 are used in the external connection and terminal-device variable diagrams. They are not printed on the Units.

Bit Allocations for Input Unit

8-point Input Unit

Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	
Wd m (Input)	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	06	IN6/Jxx_Ch1_In06
	07	IN7/Jxx_Ch1_In07
	08	—
	09	—
	:	:
	14	—
	15	—

32-point Input Unit

Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	
Wd m (Input)	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_In15
Wd m+1 (Input)	00	IN0/Jxx_Ch2_In00
	01	IN1/Jxx_Ch2_In01
	:	:
	14	IN14/Jxx_Ch2_In14
	15	IN15/Jxx_Ch2_In15

16-point Input Unit

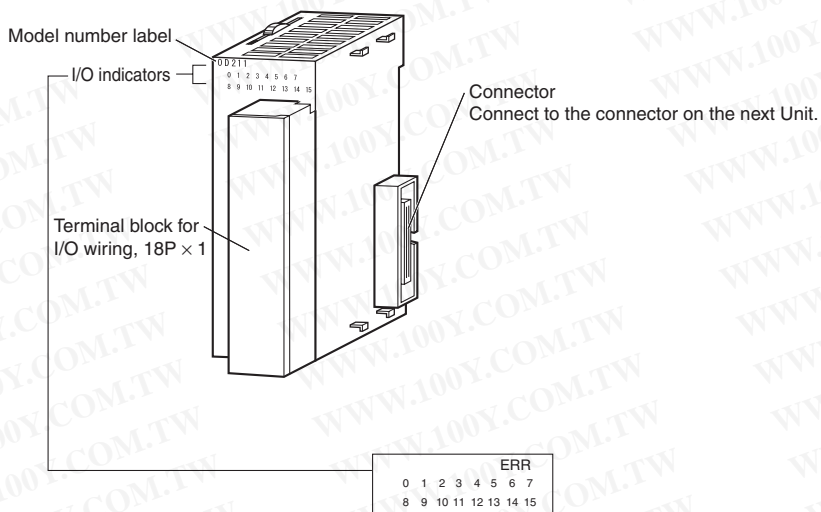
Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	
Wd m (Input)	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_In15

64-point Input Unit

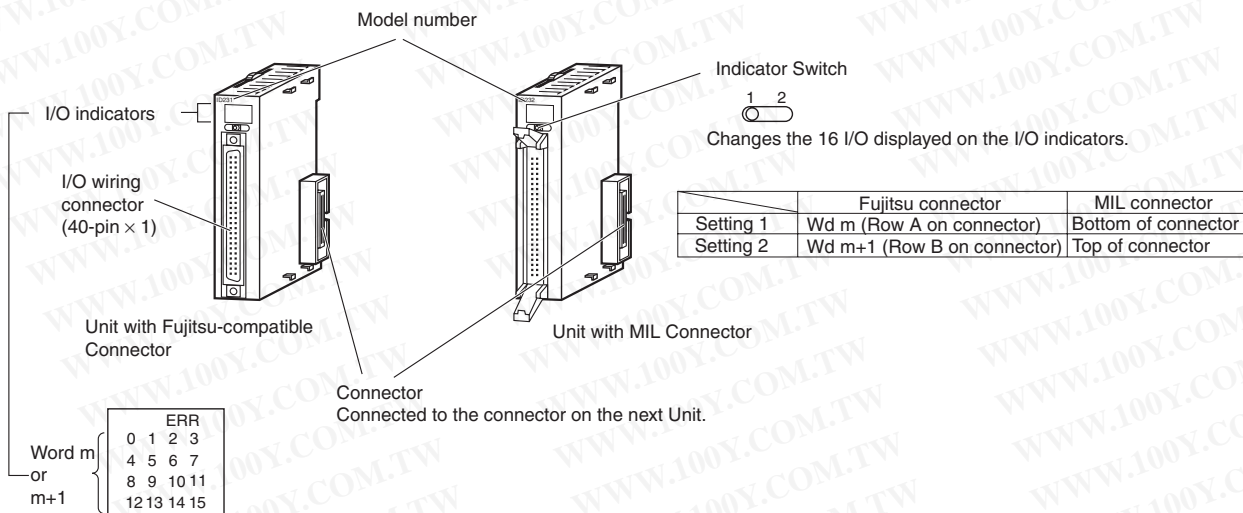
Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	
Wd m (Input)	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_In15
Wd m+1 (Input)	00	IN0/Jxx_Ch2_In00
	01	IN1/Jxx_Ch2_In01
	:	:
	14	IN14/Jxx_Ch2_In14
	15	IN15/Jxx_Ch2_In15
Wd m+2 (Input)	00	IN0/Jxx_Ch3_In00
	01	IN1/Jxx_Ch3_In01
	:	:
	14	IN14/Jxx_Ch3_In14
	15	IN15/Jxx_Ch3_In15
Wd m+3 (Input)	00	IN0/Jxx_Ch4_In00
	01	IN1/Jxx_Ch4_In01
	:	:
	14	IN14/Jxx_Ch4_In14
	15	IN15/Jxx_Ch4_In15

External Interface

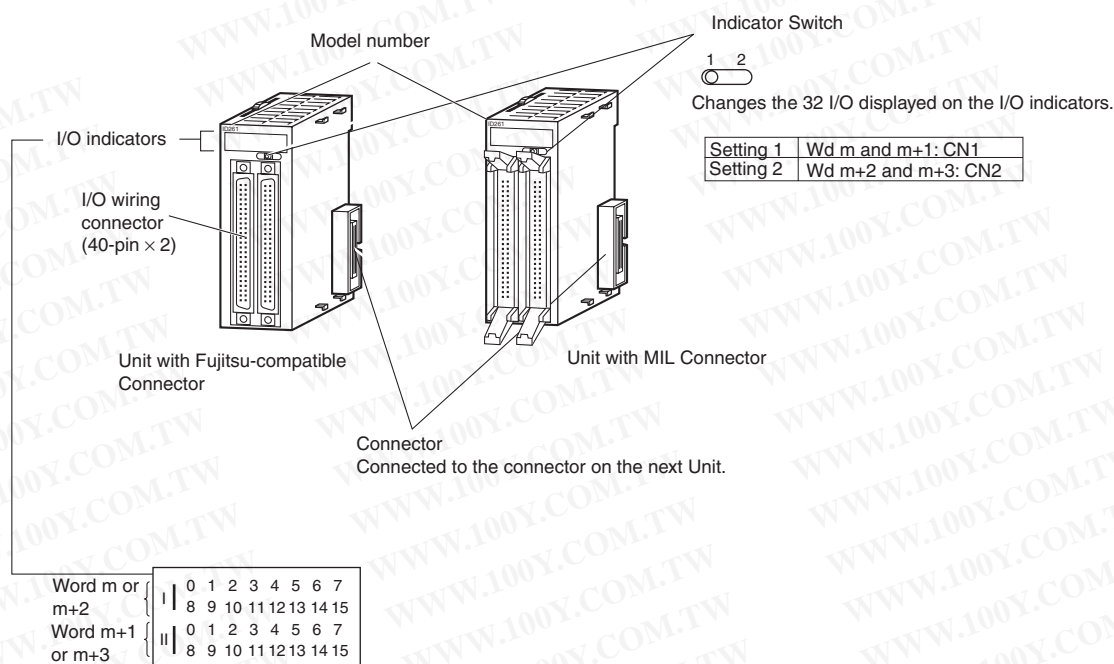
8-point/16-point Units (18-point Terminal Blocks)



32-point Units (Models with 40-point Fujitsu Connector or MIL Connector)



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



Wiring Basic I/O Units with Terminal Blocks

Electric Wires

The following wire gauges are recommended.

Terminal Block Connector	Wire Size
18-terminal	AWG 22 to 18 (0.32 to 0.82 mm ²)

Crimp terminals

Use crimp terminals (M3) having the dimensions shown below.

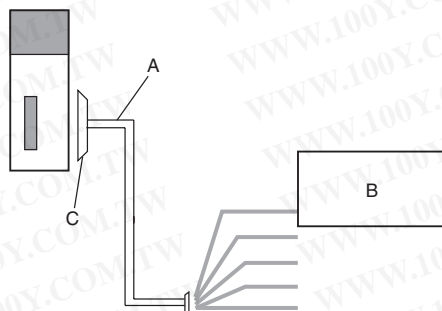


I/O Unit Wiring Methods

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.

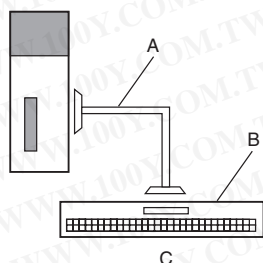


A	User-provided cable
B	External device
C	Connector

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 makes it easy to connect external devices.

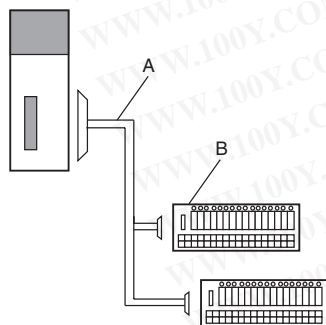


A	Connecting Cable for Connector-Terminal Block Conversion Unit XW2Z
B	Connector-Terminal Block Conversion Unit XW2□
C	Conversion to a screw terminal block

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	G79 I/O Relay Terminal Connecting Cable
B	G7□□ I/O Relay Terminals 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-compatible Connectors

Applicable Units

Model	Specifications	Pins
CJ1W-ID231	Input Unit, 24 VDC, 32 inputs	40
CJ1W-ID261	Input Unit, 24 VDC, 64 inputs	

Applicable Cable-side Connectors

Connection	Pins	OMRON set	Fujitsu parts
Solder-type	40	C500-CE404	Socket: FCN-361J040-AU Connector cover: FCN-360C040-J2
Crimped	40	C500-CE405	Socket: FCN-363J040 Connector cover: FCN-360C040-J2 Contacts: FCN-363J-AU
Pressure-welded	40	C500-CE403	FCN-367J040-AU/F

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

Applicable Units

Model	Specifications	Pins
CJ1W-ID232 CJ1W-ID233	Input Unit, 24 VDC, 32 inputs	40
CJ1W-ID262	Input Unit, 24 VDC, 64 inputs	

Applicable Cable-side Connectors

Connection	Pins	OMRON set	DDK parts
Pressure-welded	40	XG4M-4030-T	FRC5-A040-3T0S

Wire Size

We recommend using cable with wire gauges of AWG 24 or AWG 28 (0.2 mm² to 0.08 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 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

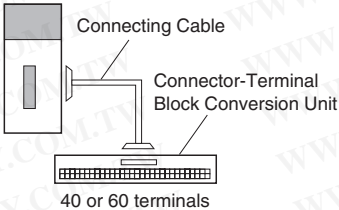
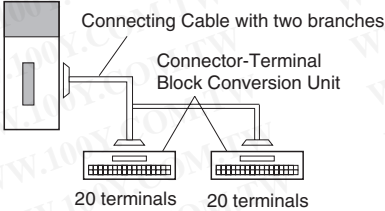
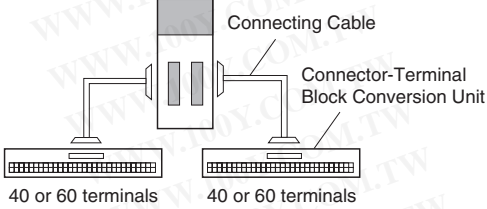
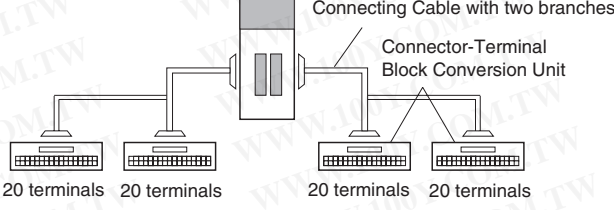
The following models are recommended for crimping tools for MIL connectors.

Tools for Crimped Connectors (OMRON)

Product Name	Model
Crimping Tool	XY2B-0002
Attachment	XY2B-1007

2. Connecting Connector-Terminal Block Conversion Units

Connection Patterns for Connector-Terminal Block Conversion Units

Pattern	Configuration	Number of connectors	Branching
A	 <p>Connecting Cable</p> <p>Connector-Terminal Block Conversion Unit</p> <p>40 or 60 terminals</p>	1	None
B	 <p>Connecting Cable with two branches</p> <p>Connector-Terminal Block Conversion Unit</p> <p>20 terminals 20 terminals</p>		2 branches
D	 <p>Connecting Cable</p> <p>Connector-Terminal Block Conversion Unit</p> <p>40 or 60 terminals 40 or 60 terminals</p>	2	None
F	 <p>Connecting Cable with two branches</p> <p>Connector-Terminal Block Conversion Unit</p> <p>20 terminals 20 terminals 20 terminals 20 terminals</p>		2 branches

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

Unit	I/O capacity	Number of connectors	Polarity	Connection pattern	Number of branches	Connecting Cable	Connector-Terminal Block Conversion Unit	Common terminal
CJ1W-ID231	32 inputs	1 Fujitsu connector	NPN/PNP	A	None	XW2Z-□□□B	XW2D-40G6	None
				A	None	XW2Z-□□□B	XW2D-40G6-RF *2	None
				A	None	XW2Z-□□□B	XW2B-40G5	None
				A	None	XW2Z-□□□B	XW2B-40G4	None
				A	None	XW2Z-□□□BU	XW2D-40C6	None
				B	2	XW2Z-□□□D	XW2D-20G6 (2 Units)	None
				B	2	XW2Z-□□□D	XW2B-20G5 (2 Units)	None
				B	2	XW2Z-□□□D	XW2B-20G4 (2 Units)	None
				B	2	XW2Z-□□□D	XW2C-20G6-IO16 (2 Units)	Yes
				B	2	XW2Z-□□□D	XW2C-20G5-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□D	XW2E-20G5-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□D	XW2F-20G7-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□D	XW2N-20G8-IN16 (2 Units) *1	Yes

Unit	I/O capacity	Number of connectors	Polarity	Connection pattern	Number of branches	Connecting Cable	Connector-Terminal Block Conversion Unit	Common terminal
CJ1W-ID232	32 inputs	1 MIL connector	NPN/PNP	A	None	XW2Z-□□□K	XW2D-40G6	None
				A	None	XW2Z-□□□K	XW2D-40G6-RM *2	None
				A	None	XW2Z-□□□K	XW2B-40G5	None
				A	None	XW2Z-□□□K	XW2B-40G4	None
				B	2	XW2Z-□□□N	XW2D-20G6 (2 Units)	None
				B	2	XW2Z-□□□N	XW2B-20G5 (2 Units)	None
				B	2	XW2Z-□□□N	XW2B-20G4 (2 Units)	None
				B	2	XW2Z-□□□N	XW2C-20G6-IO16 (2 Units)	Yes
				B	2	XW2Z-□□□N	XW2C-20G5-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□N	XW2E-20G5-IN16 (2 Units) *1	Yes
CJ1W-ID233	32 inputs	1 MIL connector	NPN/PNP	B	2	XW2Z-□□□N	XW2F-20G7-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□N	XW2N-20G8-IN16 (2 Units) *1	Yes
				A	None	XW2Z-□□□K	XW2D-40G6	None
				A	None	XW2Z-□□□K	XW2D-40G6-RM *2	None
				A	None	XW2Z-□□□K	XW2B-40G5	None
				A	None	XW2Z-□□□K	XW2B-40G4	None
				B	2	XW2Z-□□□N	XW2D-20G6 (2 Units)	None
				B	2	XW2Z-□□□N	XW2B-20G5 (2 Units)	None
				B	2	XW2Z-□□□N	XW2B-20G4 (2 Units)	None
				B	2	XW2Z-□□□N	XW2C-20G6-IO16 (2 Units)	Yes
CJ1W-ID261	64 inputs	2 Fujitsu connectors	NPN/PNP	B	2	XW2Z-□□□N	XW2C-20G5-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□N	XW2E-20G5-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□N	XW2F-20G7-IN16 (2 Units) *1	Yes
				B	2	XW2Z-□□□N	XW2N-20G8-IN16 (2 Units) *1	Yes
				D	None	XW2Z-□□□B	XW2D-40G6	None
				D	None	XW2Z-□□□B	XW2D-40G6-RF *2	None
				D	None	XW2Z-□□□B	XW2B-40G5	None
				D	None	XW2Z-□□□B	XW2B-40G4	None
				D	None	XW2Z-□□□BU	XW2D-40C6	None
				F	2	XW2Z-□□□D	XW2D-20G6 (2 Units)	None
CJ1W-ID262	64 inputs	2 MIL connectors	NPN/PNP	F	2	XW2Z-□□□D	XW2B-20G5 (2 Units)	None
				F	2	XW2Z-□□□D	XW2B-20G4 (2 Units)	None
				F	2	XW2Z-□□□D	XW2C-20G6-IO16 (2 Units)	Yes
				F	2	XW2Z-□□□D	XW2C-20G5-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□D	XW2E-20G5-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□D	XW2F-20G7-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□D	XW2N-20G8-IN16 (2 Units) *1	Yes
				D	None	XW2Z-□□□K	XW2D-40G6	None
				D	None	XW2Z-□□□K	XW2D-40G6-RM *2	None
				D	None	XW2Z-□□□K	XW2B-40G5	None
CJ1W-ID262	64 inputs	2 MIL connectors	NPN/PNP	D	None	XW2Z-□□□K	XW2B-40G4	None
				F	2	XW2Z-□□□N	XW2D-20G6 (2 Units)	None
				F	2	XW2Z-□□□N	XW2B-20G5 (2 Units)	None
				F	2	XW2Z-□□□N	XW2B-20G4 (2 Units)	None
				F	2	XW2Z-□□□N	XW2C-20G6-IO16 (2 Units)	Yes
				F	2	XW2Z-□□□N	XW2C-20G5-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□N	XW2E-20G5-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□N	XW2F-20G7-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□N	XW2N-20G8-IN16 (2 Units) *1	Yes
				F	2	XW2Z-□□□N	XW2N-20G8-IN16 (2 Units) *1	Yes

*1. The inputs are NPN. For PNP inputs, reverse the polarity of the external power supply connections to the power supply terminals on the Connector-Terminal Block Conversion Unit.

*2. Bleeder resistance (5.6 kΩ) is built in.

Types of Connecting Cables

Cable length	XW2Z-□□A	XW2Z-□□B	XW2Z-□□BU	XW2Z-□□D	XW2Z-□□L	XW2Z-□□X
0.25m	—	—	—	—	—	—
0.5m	XW2Z-050A	XW2Z-050B	XW2Z-050BU	—	—	XW2Z-C50X
1.0m	XW2Z-100A	XW2Z-100B	XW2Z-100BU	XW2Z-100D	XW2Z-100L	XW2Z-100X
1.5m	XW2Z-150A	XW2Z-150B	XW2Z-150BU	XW2Z-150D	XW2Z-150L	—
2.0m	XW2Z-200A	XW2Z-200B	XW2Z-200BU	XW2Z-200D	XW2Z-200L	XW2Z-200X
3.0m	XW2Z-300A	XW2Z-300B	XW2Z-300BU	XW2Z-300D	XW2Z-300L	XW2Z-300X
5.0m	XW2Z-500A	XW2Z-500B	XW2Z-500BU	XW2Z-500D	XW2Z-500L	XW2Z-500X
10.0m	XW2Z-010A	XW2Z-010B	—	XW2Z-010D	XW2Z-010L	XW2Z-010X
15.0m	XW2Z-15MA	XW2Z-15MB	—	XW2Z-15MD	XW2Z-15ML	—
20.0m	XW2Z-20MA	XW2Z-20MB	—	XW2Z-20MD	XW2Z-20ML	—

3. Connecting I/O Relay Terminals

Connection Patterns for I/O Relay Terminals

Pattern	Configuration
A	
B	

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

Model	I/O points	Number of connectors	Polarity	Connection pattern	Number of branches	Connecting Cable	I/O Relay Terminal
CJ1W-ID231	32 inputs	1 Fujitsu connector	NPN	A	2	G79-I□C-□	G7TC-ID16
				A	2	G79-I□C-□	G7TC-IA16
CJ1W-ID232	32 inputs	1 MIL connector	NPN	A	2	G79-O□-□-D1	G7TC-ID16
				A	2	G79-O□-□-D1	G7TC-IA16
CJ1W-ID233	32 inputs	1 MIL connector	NPN	A	2	G79-O□-□-D1	G7TC-ID16
				A	2	G79-O□-□-D1	G7TC-IA16
CJ1W-ID261	64 inputs	2 Fujitsu connectors	NPN	B	2	G79-I□C-□	G7TC-ID16
				B	2	G79-I□C-□	G7TC-IA16
CJ1W-ID262	64 inputs	2 MIL connectors	NPN	B	2	G79-O□-□-D1	G7TC-ID16
				B	2	G79-O□-□-D1	G7TC-IA16

Types of Connecting Cables

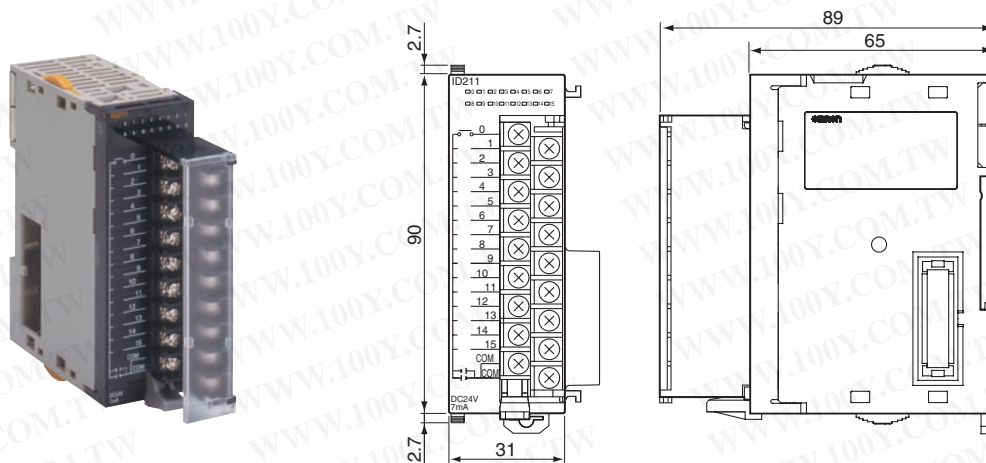
Cable length	G79-□C	G79-I□C	G79-I□C-□	G79-O□C	G79-O□C-□	G79-O□-□-D1
0.25m	—	G79-I25C	—	G79-O25C	—	—
0.5m	—	G79-I50C	—	G79-O50C	—	G79-O50-25-D1
1.0m	G79-100C	—	G79-I100C-75	—	G79-O100C-75	G79-O75-50-D1
1.5m	G79-150C	—	G79-I150C-125	—	G79-O150C-125	—
2.0m	G79-200C	—	G79-I200C-175	—	G79-O200C-175	—
3.0m	G79-300C	—	G79-I300C-275	—	G79-O300C-275	—
5.0m	G79-500C	—	G79-I500C-475	—	G79-O500C-475	—

Dimensions

(Unit: mm)

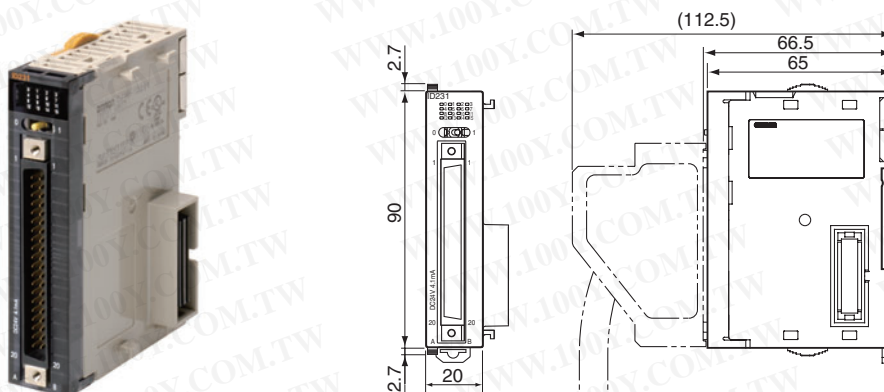
8-point/16-point Units (18-point Terminal Blocks)

CJ1W-ID201
CJ1W-ID211
CJ1W-ID212
CJ1W-IA201
CJ1W-IA111



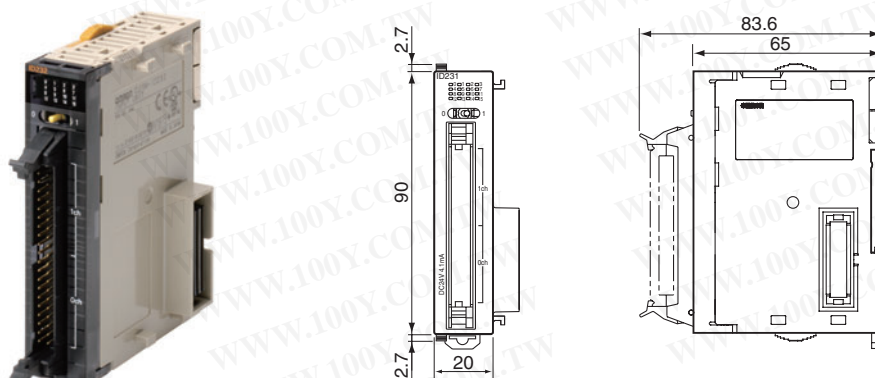
32-point Units (Input Units)

With Fujitsu-compatible Connector (40-pin × 1)
CJ1W-ID231



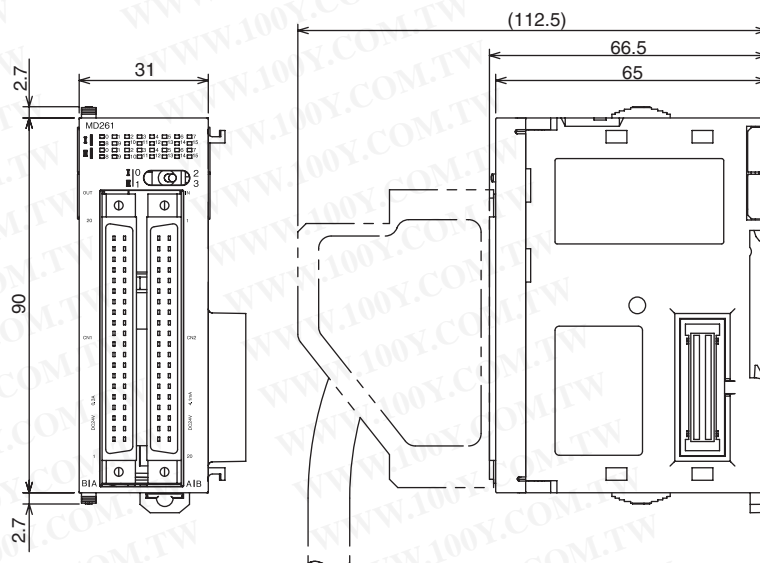
With MIL Connector (40-pin × 1)

CJ1W-ID232
CJ1W-ID233

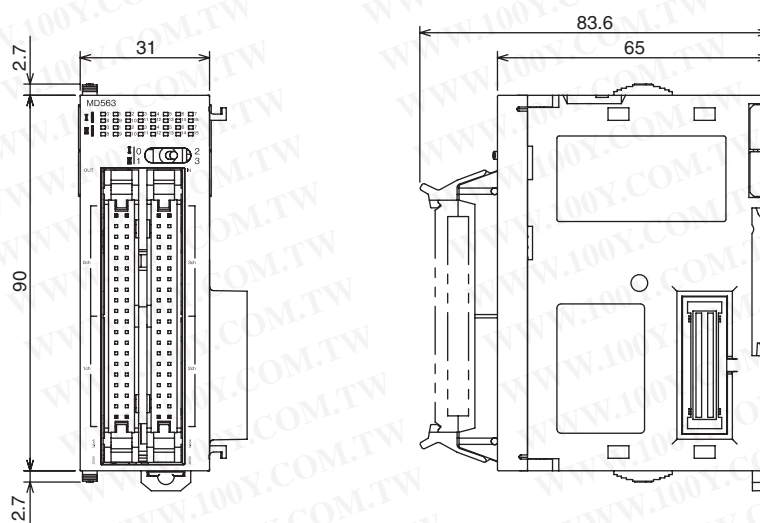


64-point Units (Input Units)

With Fujitsu-compatible Connector (40-pin × 2)
CJ1W-ID261



With MIL Connector (40-pin × 2)
CJ1W-ID262



Related Manuals

Name	Cat. No.	Contents
CJ-series CJ2 CPU Unit Hardware User's Manual CJ2H-CPU6□-EIP CJ2H-CPU6□ CJ2M-CPU□□	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 <i>Software User's Manual</i> (W473).
SYSMAC 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.
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 <i>NJ-series CPU Unit Software User's Manual</i> (Cat. No. W501).

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