

## 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: 15 $\mu$ s, OFF Response Time: 90 $\mu$ s
- 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.




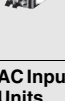


\*2. For models with 32 or 64 inputs.

## 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	<b>DC Input Units</b> 	8 inputs	12 to 24 VDC, 10 mA	Independent contacts	Removable terminal block	1 word	0.09	–	<b>CJ1W-ID201</b>	UC1, N, L, CE
		16 inputs	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.08	–	<b>CJ1W-ID211</b>	
		16 inputs (High speed)	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.13	–	<b>CJ1W-ID212</b>	N, L, CE
	   	32 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu connector	2 words	0.09	–	<b>CJ1W-ID231</b>	UC1, N, L, CE
		32 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.09	–	<b>CJ1W-ID232</b>	
		32 inputs (High speed)	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.20	–	<b>CJ1W-ID233</b>	N, L, CE
		64 inputs	24 VDC, 4.1 mA	16 points, 1 common	Fujitsu connector	4 words	0.09	–	<b>CJ1W-ID261</b>	UC1, N, L, CE
		64 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	4 words	0.09	–	<b>CJ1W-ID262</b>	
		<b>AC Input Units</b> 	8 inputs	200 to 24 VAC, 10 mA (200 V, 50 Hz)	8 points, 1 common	Removable Terminal Block	1 words	0.08	–	<b>CJ1W-IA201</b>
16 inputs	100 to 120 VAC, 7 mA (100 V, 50 Hz)		16 points, 1 common	Removable Terminal Block	1 words	0.09	–	<b>CJ1W-IA111</b>		

### 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 Connector 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 Connector 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	Wiring method	Terminal type	Size			Mounting		Common terminals	Bleeder resistance	Indicators	I/O Units	Model	Standards
						Depth (mm)	Height (mm)	Width (mm)	DIN Track	Screws						
PLCs	XW2R	Output	34	Phillips screw	M3	50	48.35	130.7	Yes	Yes	No	No	No	CJ1W-ID231 CJ1W-ID261	XW2R-J34G-C1	-
				Slotted screw (rise up)										CJ1W-ID232 CJ1W-ID233 CJ1W-ID262	XW2R-J34G-C2	
					CJ1W-ID231 CJ1W-ID261	XW2R-E34G-C1										
					CJ1W-ID232 CJ1W-ID233 CJ1W-ID262	XW2R-E34G-C2										
					CJ1W-ID231 CJ1W-ID261	XW2R-P34G-C1										
				Push-in spring	Clamp	50	45.11	98.5						CJ1W-ID231 CJ1W-ID261	XW2R-P34G-C1	
CJ1W-ID232 CJ1W-ID233 CJ1W-ID262	XW2R-P34G-C2															

**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	G70D	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	
	Flat type G70D	Outputs	Relay outputs	NPN	8 (SPST-NO × 8)	5A	Yes	-	156	51	39	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
PNP	16 (SPST-NO × 16)	0.3A	G70D-FOM16-1	-											
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											102	
		Outputs	Relay outputs	NPN	8 (SPST-NO × 8)	5A			182					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)

<b>Name</b>	8-point DC Input Unit with Terminal Block
<b>Model</b>	CJ1W-ID201
<b>Rated Input Voltage</b>	12 to 24 VDC
<b>Rated Input Voltage Range</b>	10.2 to 26.4 VDC
<b>Input Impedance</b>	2.4 kΩ
<b>Input Current</b>	10 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	8.8 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	3 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
<b>Number of Circuits</b>	8 independent circuits
<b>Number of Simultaneously ON Points</b>	100% simultaneously ON
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	80 mA max.
<b>Weight</b>	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 μs maximum and OFF response time will be 400 μs 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)

<b>Name</b>	16-point DC Input Unit with Terminal Block
<b>Model</b>	CJ1W-ID211
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	3.3 kΩ
<b>Input Current</b>	7 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	14.4 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
<b>Number of Circuits</b>	16 (16 points/common, 1 circuit)
<b>Number of Simultaneously ON Points</b>	100% simultaneously ON (at 24 VDC) (Refer to the following illustration.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	80 mA max.
<b>Weight</b>	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 μs maximum and OFF response time will be 400 μs 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)

<b>Name</b>	16-point DC Input Unit with Terminal Block
<b>Model</b>	CJ1W-ID212
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	3.3 kΩ
<b>Input Current</b>	7 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	14.4 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1
<b>Number of Circuits</b>	16 (16 points/common, 1 circuit)
<b>Number of Simultaneously ON Points</b>	100% simultaneously ON (at 24 VDC) (Refer to the following illustration.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	130 mA max.
<b>Weight</b>	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 15 μs maximum and OFF response time will be 90 μs 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)

<b>Name</b>	32-point DC Input Unit with Fujitsu Connector
<b>Model</b>	CJ1W-ID231
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	5.6 kΩ
<b>Input Current</b>	4.1 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	19.0 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>Number of Circuits</b>	32 (16 points/common, 2 circuits)
<b>Number of Simultaneously ON Points</b>	75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	90 mA max.
<b>Weight</b>	70 g max.
<b>Accessories</b>	None

**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**

Allocated CIO word	Signal name	Connector pin	Signal name	Allocated CIO word
Wd m	Jxx_Ch1_In00	A1 B1	Jxx_Ch2_In00	Wd m+1
	Jxx_Ch1_In01	A2 B2	Jxx_Ch2_In01	
	Jxx_Ch1_In02	A3 B3	Jxx_Ch2_In02	
	Jxx_Ch1_In03	A4 B4	Jxx_Ch2_In03	
	Jxx_Ch1_In04	A5 B5	Jxx_Ch2_In04	
	Jxx_Ch1_In05	A6 B6	Jxx_Ch2_In05	
	Jxx_Ch1_In06	A7 B7	Jxx_Ch2_In06	
	Jxx_Ch1_In07	A8 B8	Jxx_Ch2_In07	
	COM0	A9 B9	COM1	
	Jxx_Ch1_In08	A10 B10	Jxx_Ch2_In08	
	Jxx_Ch1_In09	A11 B11	Jxx_Ch2_In09	
	Jxx_Ch1_In10	A12 B12	Jxx_Ch2_In10	
	Jxx_Ch1_In11	A13 B13	Jxx_Ch2_In11	
	Jxx_Ch1_In12	A14 B14	Jxx_Ch2_In12	
	Jxx_Ch1_In13	A15 B15	Jxx_Ch2_In13	
	Jxx_Ch1_In14	A16 B16	Jxx_Ch2_In14	
	Jxx_Ch1_In15	A17 B17	Jxx_Ch2_In15	
	COM0	A18 B18	COM1	
	NC	A19 B19	NC	
	NC	A20 B20	NC	

• The input power polarity can be connected in either direction.  
 • Be sure to wire both pins A9 and A18 (COM0), and set the same polarity for both pins.  
 • Be sure to wire both pins B9 and B18 (COM1), 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.

**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)

<b>Name</b>	32-point DC Input Unit with MIL Connector
<b>Model</b>	CJ1W-ID232
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	5.6 kΩ
<b>Input Current</b>	4.1 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	19.0 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>Number of Circuits</b>	32 (16 points/common, 2 circuits)
<b>Number of Simultaneously ON Points</b>	75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	90 mA max.
<b>Weight</b>	70 g max.
<b>Accessories</b>	None

**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**

• The input power polarity can be connected in either direction.  
• Be sure to wire both pins 23 and 24 (COM0), and set the same polarity for both pins.  
• Be sure to wire both pins 3 and 4 (COM1), 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.

**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-ID233 DC Input Unit (24 VDC, 32 Points)

<b>Name</b>	32-point DC Input Unit with MIL Connector
<b>Model</b>	CJ1W-ID233
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	5.6 kΩ
<b>Input Current</b>	4.1 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	19.0 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>Number of Circuits</b>	32 (16 points/common, 2 circuits)
<b>Number of Simultaneously ON Points</b>	75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	200 mA max.
<b>Weight</b>	70 g max.
<b>Accessories</b>	None

**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**

• The input power polarity can be connected in either direction.  
• Be sure to wire both pins 23 and 24 (COM0), and set the same polarity for both pins.  
• Be sure to wire both pins 3 and 4 (COM1), 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 15 μs maximum and OFF response time will be 90 μs 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-ID261 DC Input Unit (24 VDC, 64 Points)

<b>Name</b>	64-point DC Input Unit with Fujitsu Connector
<b>Model</b>	CJ1W-ID261
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	5.6 kΩ
<b>Input Current</b>	4.1 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	19.0 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>Number of Circuits</b>	64 (16 points/common, 4 circuits)
<b>Number of Simultaneously ON Points</b>	50% (16 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustrations.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	90 mA max.
<b>Weight</b>	110 g max.
<b>Accessories</b>	None

**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**

**CN1**

**CN2**

• 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.

• The input power polarity can be connected in either direction.  
 • Be sure to wire both pins A9 and A18 (COM2) of CN2, and set the same polarity for both pins.  
 • Be sure to wire both pins B9 and B18 (COM3) 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 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.

**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)

<b>Name</b>	64-point DC Input Unit with MIL Connector
<b>Model</b>	CJ1W-ID262
<b>Rated Input Voltage</b>	24 VDC
<b>Rated Input Voltage Range</b>	20.4 to 26.4 VDC
<b>Input Impedance</b>	5.6 kΩ
<b>Input Current</b>	4.1 mA typical (at 24 VDC)
<b>ON Voltage/ON Current</b>	19.0 VDC min./3 mA min.
<b>OFF Voltage/OFF Current</b>	5 VDC max./1 mA max.
<b>ON Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>OFF Response Time</b>	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *
<b>Number of Circuits</b>	64 (16 points/common, 4 circuits)
<b>Number of Simultaneously ON Points</b>	50% (8 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustrations.)
<b>Insulation Resistance</b>	20 MΩ between external terminals and the GR terminal (100 VDC)
<b>Dielectric Strength</b>	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
<b>Internal Current Consumption</b>	90 mA max.
<b>Weight</b>	110 g max.
<b>Accessories</b>	None

**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.

**Number of Simultaneously ON Points vs. Ambient Temperature Characteristic**

**External connection and terminal-device variable diagram**

**CN1**

Allocated CIO word	Signal name	Connector pin	Signal name	Allocated CIO word
Wd m	Jxx_Ch1_In00	40	Jxx_Ch1_In08	Wd m
	Jxx_Ch1_In01	38	Jxx_Ch1_In09	
	Jxx_Ch1_In02	36	Jxx_Ch1_In10	
	Jxx_Ch1_In03	34	Jxx_Ch1_In11	
	Jxx_Ch1_In04	32	Jxx_Ch1_In12	
	Jxx_Ch1_In05	30	Jxx_Ch1_In13	
	Jxx_Ch1_In06	28	Jxx_Ch1_In14	
	Jxx_Ch1_In07	26	Jxx_Ch1_In15	
	COM0	24	COM0	
	NC	22	NC	
	Jxx_Ch2_In00	20	Jxx_Ch2_In08	Wd m+1
	Jxx_Ch2_In01	18	Jxx_Ch2_In09	
	Jxx_Ch2_In02	16	Jxx_Ch2_In10	
	Jxx_Ch2_In03	14	Jxx_Ch2_In11	
	Jxx_Ch2_In04	12	Jxx_Ch2_In12	
	Jxx_Ch2_In05	10	Jxx_Ch2_In13	
	Jxx_Ch2_In06	8	Jxx_Ch2_In14	
	Jxx_Ch2_In07	6	Jxx_Ch2_In15	
	COM1	4	COM1	
	NC	2	NC	

• The input power polarity can be connected in either direction.  
• Be sure to wire both pins 23 and 24 (COM0) of CN1, and set the same polarity for both pins.  
• Be sure to wire both pins 3 and 4 (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.

**CN2**

Allocated CIO word	Signal name	Connector pin	Signal name	Allocated CIO word
Wd m+3	Jxx_Ch4_In15	5	Jxx_Ch4_In07	Wd m+3
	Jxx_Ch4_In14	6	Jxx_Ch4_In06	
	Jxx_Ch4_In13	7	Jxx_Ch4_In05	
	Jxx_Ch4_In12	9	Jxx_Ch4_In04	
	Jxx_Ch4_In11	11	Jxx_Ch4_In03	
	Jxx_Ch4_In10	13	Jxx_Ch4_In02	
	Jxx_Ch4_In09	15	Jxx_Ch4_In01	
	Jxx_Ch4_In08	17	Jxx_Ch4_In00	
	COM2	19	COM2	
	NC	21	NC	
	Jxx_Ch3_In15	25	Jxx_Ch3_In07	Wd m+2
	Jxx_Ch3_In14	27	Jxx_Ch3_In06	
	Jxx_Ch3_In13	29	Jxx_Ch3_In05	
	Jxx_Ch3_In12	31	Jxx_Ch3_In04	
	Jxx_Ch3_In11	33	Jxx_Ch3_In03	
	Jxx_Ch3_In10	35	Jxx_Ch3_In02	
	Jxx_Ch3_In09	37	Jxx_Ch3_In01	
	Jxx_Ch3_In08	39	Jxx_Ch3_In00	
	COM3	23	COM3	
	NC	21	NC	
	Jxx_Ch3_In15	25	Jxx_Ch3_In07	Wd m+2
	Jxx_Ch3_In14	27	Jxx_Ch3_In06	
	Jxx_Ch3_In13	29	Jxx_Ch3_In05	
	Jxx_Ch3_In12	31	Jxx_Ch3_In04	
	Jxx_Ch3_In11	33	Jxx_Ch3_In03	
	Jxx_Ch3_In10	35	Jxx_Ch3_In02	
	Jxx_Ch3_In09	37	Jxx_Ch3_In01	
	Jxx_Ch3_In08	39	Jxx_Ch3_In00	

• The input power polarity can be connected in either direction.  
• Be sure to wire both pins 23 and 24 (COM2) of CN2, and set the same polarity for both pins.  
• Be sure to wire both pins 3 and 4 (COM3) 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.

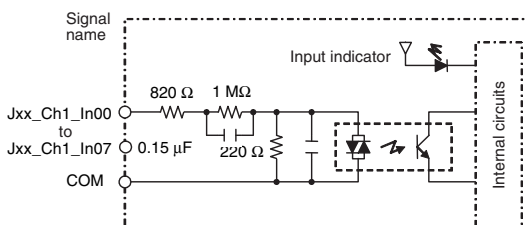
\* The ON response time will be 120 μs maximum and OFF response time will be 400 μs maximum even if the response times are set to 0 ms due to internal element delays.

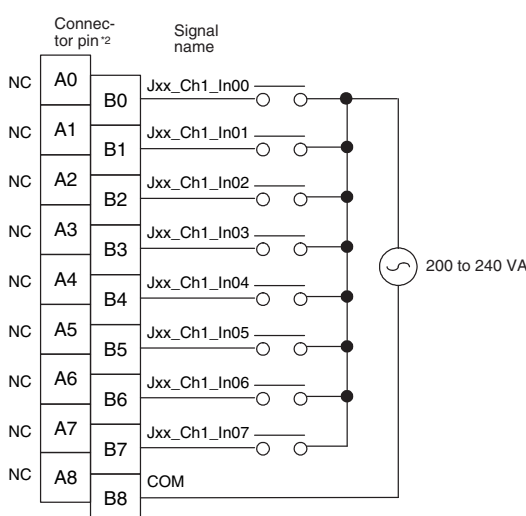
**Note:** Observe the following restrictions when connecting to a 2-wire sensor.

- 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)

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

<b>Circuit Configuration</b>	 <ul style="list-style-type: none"> <li>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.</li> </ul>
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<b>External connection and terminal-device variable diagram</b>	 <ul style="list-style-type: none"> <li>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.</li> </ul>
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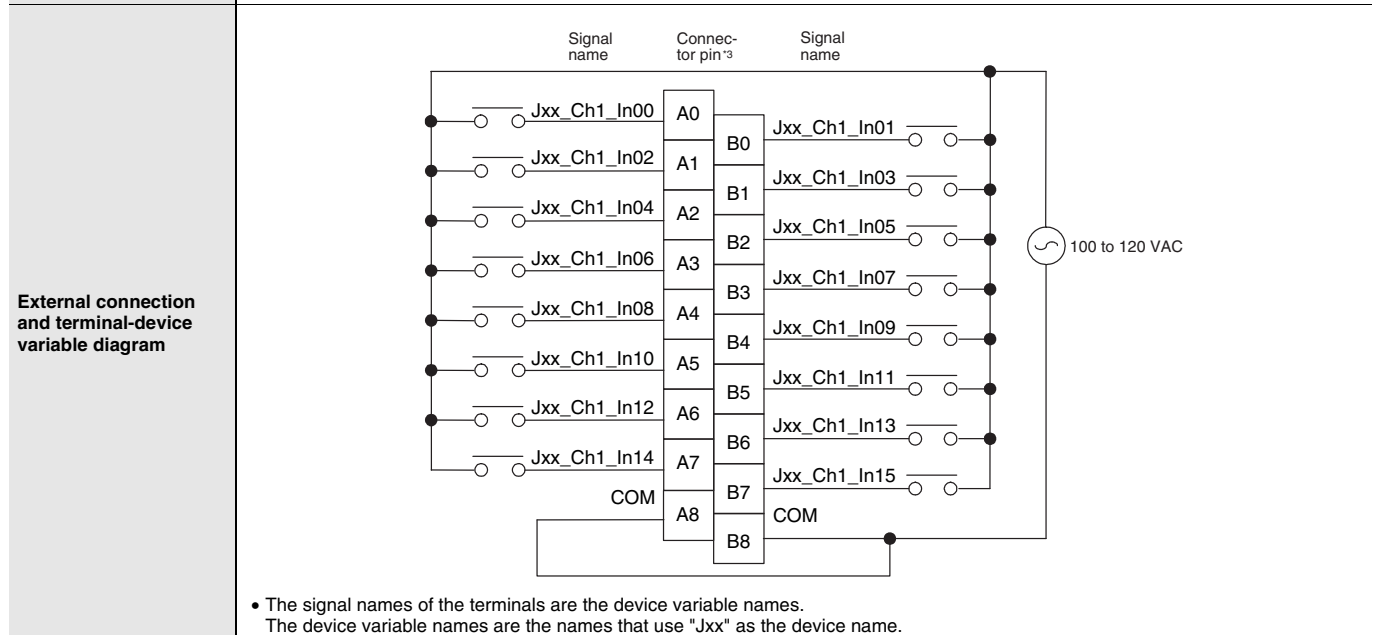
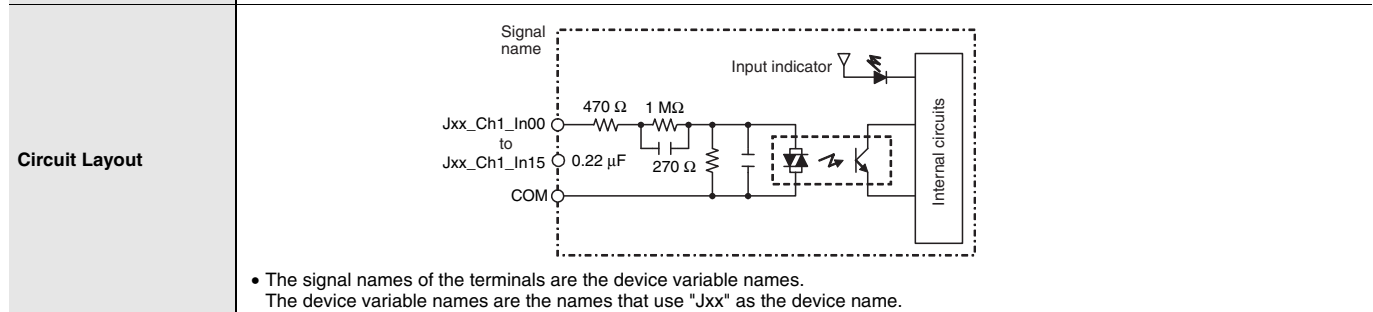
\*1. Can be set to 0 ms, 0.5 ms, 1 ms, 2 ms, 4 ms, 8 ms, 16 ms, or 32ms in the settings. When the response times have been set to 0 ms, the ON response time will be 10 ms maximum and the OFF response time will be 40 ms maximum due to internal element delays.

\*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)

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



\*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

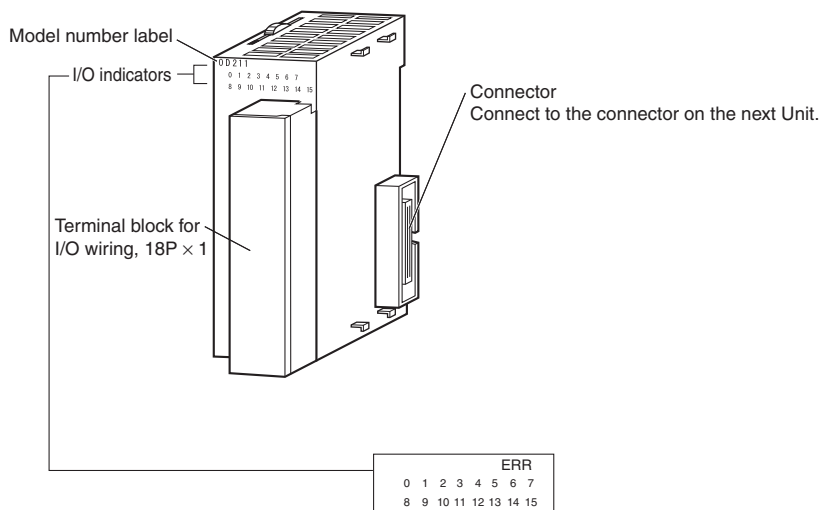
### 64-point Input Unit

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

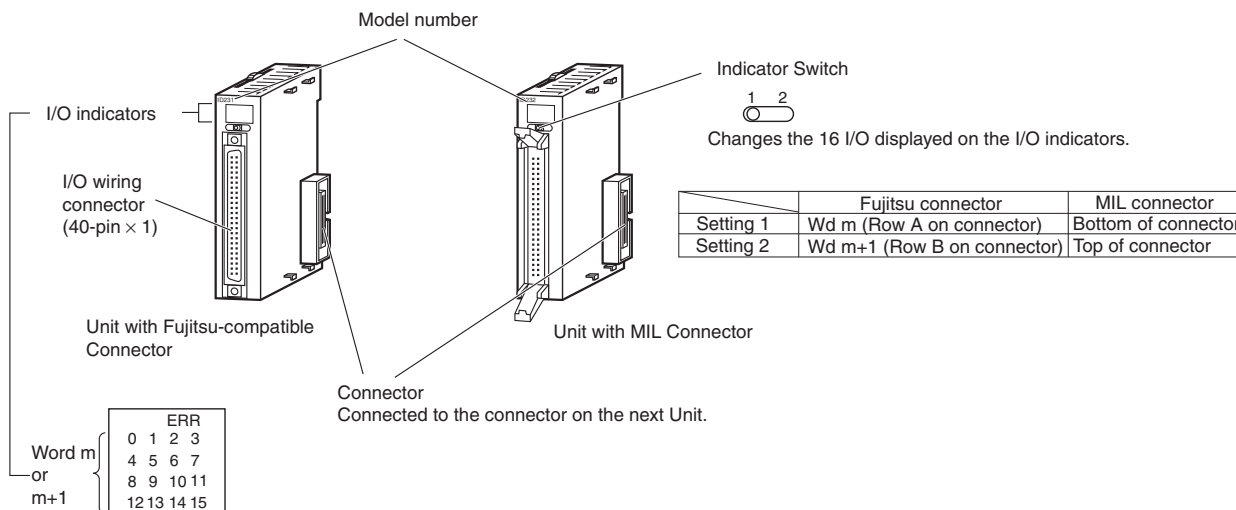


## External Interface

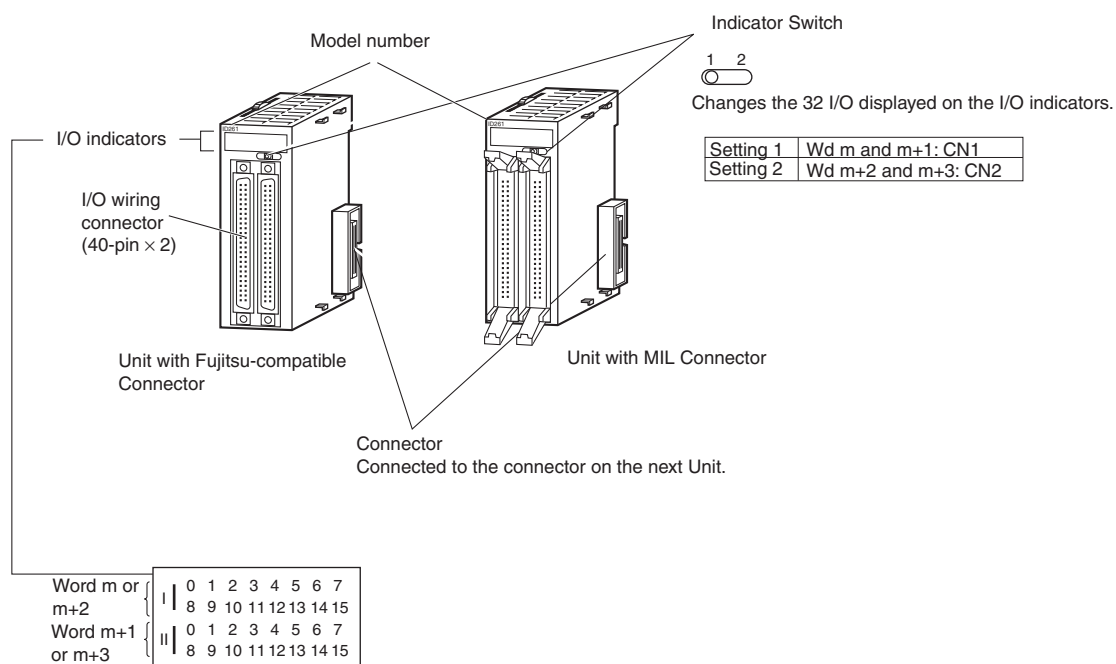
### 8-point/16-point Units (18-point Terminal Blocks)



### 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 <sup>2</sup> )

### Crimp terminals

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

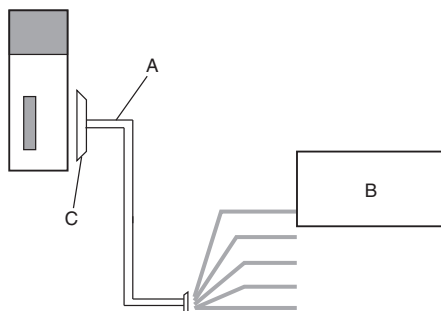


## I/O Unit Wiring Methods

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.

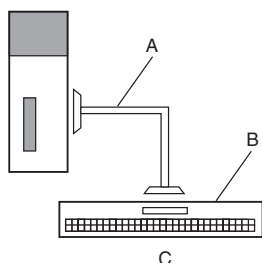


<b>A</b>	User-provided cable
<b>B</b>	External device
<b>C</b>	Connector

### 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.

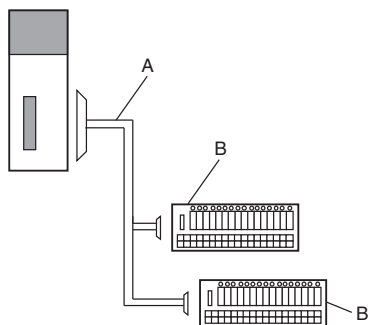


<b>A</b>	Connecting Cable for Connector-Terminal Block Conversion Unit XW2Z
<b>B</b>	Connector-Terminal Block Conversion Unit XW2R
<b>C</b>	Conversion to a screw terminal block

### 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.



<b>A</b>	G79 I/O Relay Terminal Connecting Cable
<b>B</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 mm<sup>2</sup> to 0.08 mm<sup>2</sup>). 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

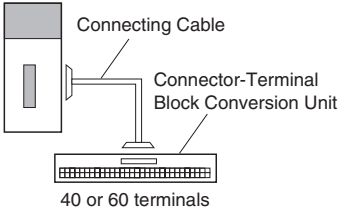
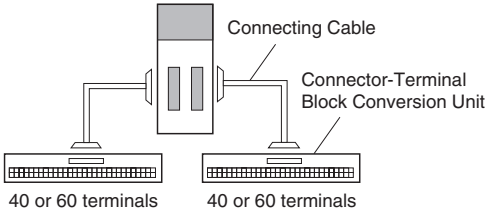
The following models are recommended for crimping tools for MIL connectors.

#### Tools for Crimped Connectors (OMRON)

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

## 2. Connecting Connector-Terminal Block Conversion Units

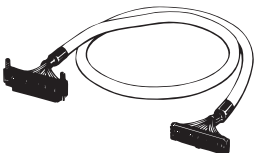
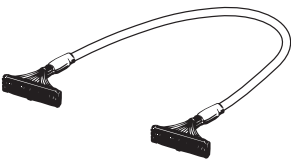
### Connection Patterns for Connector-Terminal Block Conversion Units

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</p> <p>Connector-Terminal Block Conversion Unit</p> <p>40 or 60 terminals</p> <p>40 or 60 terminals</p>	2	None

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

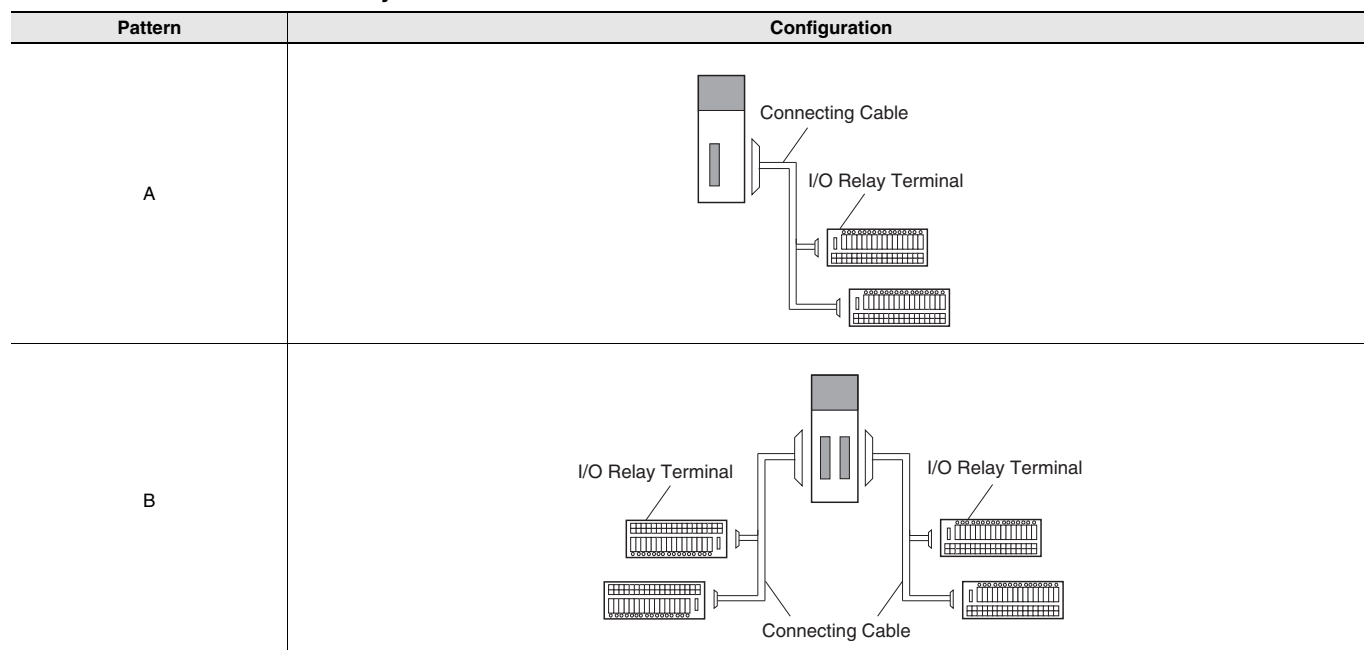
Unit	I/O capacity	Number of connectors	Polarity	Connection pattern	Connecting Cable	Connector-Terminal Block Conversion Unit
CJ1W-ID231	32 inputs	1 Fujitsu connector	NPN/PNP	A	XW2Z-□□□B	XW2R-J34G-C1
						XW2R-E34G-C1
						XW2R-P34G-C1
CJ1W-ID232	32 inputs	1 MIL connector	NPN/PNP	A	XW2Z-□□□K	XW2R-J34G-C2
						XW2R-E34G-C2
						XW2R-P34G-C2
CJ1W-ID233	32 inputs	1 MIL connector	NPN/PNP	A	XW2Z-□□□K	XW2R-J34G-C2
						XW2R-E34G-C2
						XW2R-P34G-C2
CJ1W-ID261	64 inputs	2 Fujitsu connectors	NPN/PNP	B	XW2Z-□□□B (2 Cables)	XW2R-J34G-C1 (2 Units)
						XW2R-E34G-C1 (2 Units)
						XW2R-P34G-C1 (2 Units)
CJ1W-ID262	64 inputs	2 MIL connectors	NPN/PNP	B	XW2Z-□□□K (2 Cables)	XW2R-J34G-C2 (2 Units)
						XW2R-E34G-C2 (2 Units)
						XW2R-P34G-C2 (2 Units)

### Types of Connecting Cables

Appearance	Connectors	Model	Cable length [m]
 <p>XW2Z-□□□B</p>	One 40-pin Connector Made by Fujitsu Component, Ltd. to One 40-pin MIL Connector	XW2Z-050B	0.5
		XW2Z-100B	1
		XW2Z-150B	1.5
		XW2Z-200B	2
		XW2Z-300B	3
		XW2Z-500B	5
 <p>XW2Z-□□□K</p>	One 40-pin MIL Connector to One 40-pin MIL Connector	XW2Z-C50K	0.5
		XW2Z-100K	1
		XW2Z-150K	1.5
		XW2Z-200K	2
		XW2Z-300K	3
		XW2Z-500K	5

### 3. Connecting I/O Relay Terminals

#### Connection Patterns for I/O Relay Terminals



#### 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

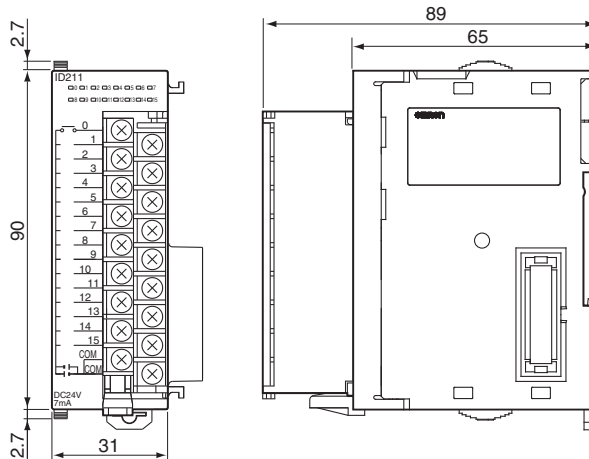
#### Types of Connecting Cables

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

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

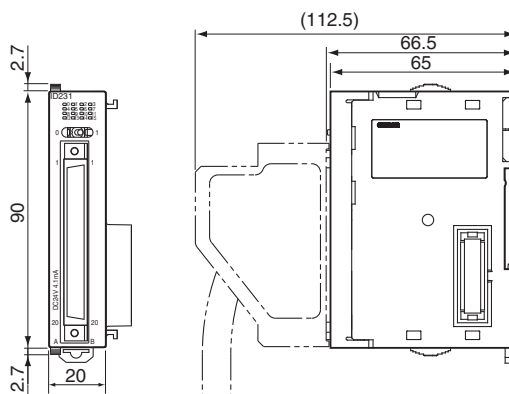
- CJ1W-ID201
- CJ1W-ID211
- CJ1W-ID212
- CJ1W-IA201
- CJ1W-IA111



### 32-point Units (Input Units)

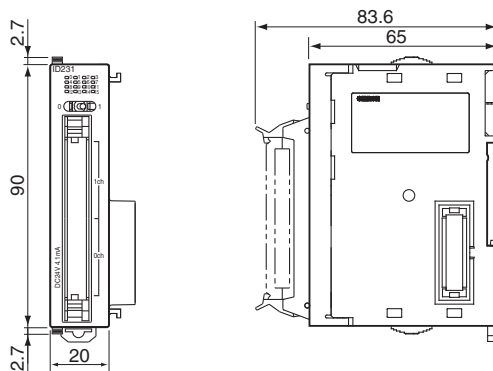
With Fujitsu-compatible Connector (40-pin × 1)

- CJ1W-ID231



With MIL Connector (40-pin × 1)

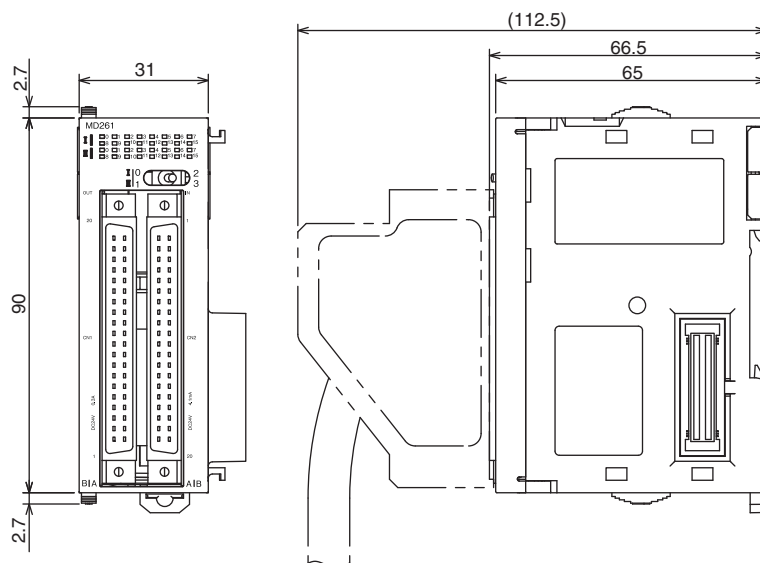
- CJ1W-ID232
- CJ1W-ID233



## 64-point Units (Input Units)

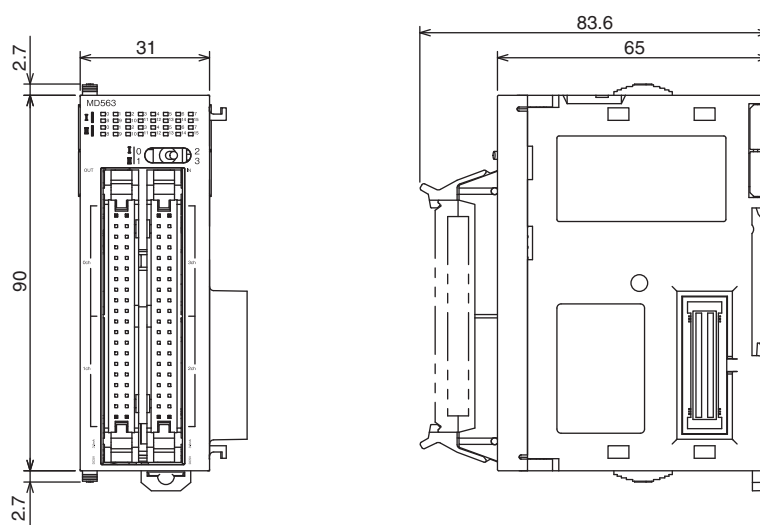
With Fujitsu-compatible Connector (40-pin × 2)

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"> <li>• Overview and features</li> <li>• Basic system configuration</li> <li>• Part nomenclature and functions</li> <li>• Mounting and setting procedure</li> <li>• Remedies for errors</li> <li>• Also refer to the <i>Software User's Manual</i> (W473).</li> </ul>
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"> <li>• Features and system configuration</li> <li>• Introduction</li> <li>• Part names and functions</li> <li>• General specifications</li> <li>• Installation and wiring</li> <li>• Maintenance and inspection</li> </ul> Use this manual together with the NJ-series CPU Unit <i>Software User's Manual</i> (Cat. No. W501).



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