CJ1W-ID/IA

CSM CJ1W-ID IA DS E 11 7

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			Sp	consu	rent mption A)	Model	Standards			
		I/O points	Input voltage and current Commons		External connection	No. of words allocated	5 V	24 V	Model	Standards
		8 inputs	12 to 24 VDC, 10 mA	Independent contacts	Removable terminal block	1 word	0.09	-	CJ1W-ID201	UC1, N, L,
	DC Input Units	16 inputs	24 VDC, 7 mA	16 points, 1 common	Removable terminal block	1 word	0.08	-	CJ1W-ID211	CE
		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,
		32 inputs	24 VDC, 4.1 mA	16 points, 1 common	MIL connector	2 words	0.09	_	CJ1W-ID232	CE
CJ1 Basic I/O Units		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	
	AMIL	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*.

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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	
	Soldered	FCN-361J040-AU Connector FCN-360C040-J2 Connector Cover	Fujitsu Connectors: CJ1W-ID231(32 inputs): 1 per Unit	C500-CE404		
40-pin Connectors	Crimped	FCN-363J040 Housing FCN-363J-AU Contactor FCN-360C040-J2 Connector Cover	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-CE405		
	Pressure welded	FCN-367J040-AU/F		C500-CE403]	
	Soldered	FCN-361J024-AU Connector FCN-360C024-J2 Connector Cover		C500-CE241	_	
24-pin Connectors	Crimped	FCN-363J024 Socket FCN-363J-AU Contactor FCN-360C024-J2 Connector Cover	Fujitsu Connectors: CJ1W-MD231 (16 inputs, 16 outputs): 2 per Unit	C500-CE242		
	Pressure welded	FCN-367J024-AU/F		C500-CE243	1	

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	Pressure welded	FRC5-AO40-3TOS	MIL Connectors: CJ1W-ID232/233 (32 inputs): 1 per Unit CJ1W-OD232/233/234 (32 outputs):1 per Unit	XG4M-4030-T	
Connectors	Crimped	-	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	XG5N-401*	_
20-pin	Pressure welded	FRC5-AO20-3TOS	MIL Connectors:	XG4M-2030-T	
Connectors	Crimped	-	CJ1W-MD232/233 (16 inputs, 16 outputs): 2 per Unit	XG5N-201*	_

^{*} Crimp Contacts are also required. Refer to page 20 for details.

Applicable Connector-Terminal Block Conversion Units

		Number	Wiring	Terminal		Size			nting	Common	Bleeder				
Type	Series	Number of poles	method	type	Depth (mm)		Width (mm)	DIN Track	Screws	terminals	resistance	Indicators	I/O Units	Model *	Standards
			Phillips screw										CJ1W-ID231 CJ1W-ID261	XW2R-J34GD-C1	
				M3	50	48.05	130.7						CJ1W-ID232 CJ1W-ID233 CJ1W-ID262	XW2R-J34GD-C2	
			Slotted screw (rise up)	M3									CJ1W-ID231 CJ1W-ID261	XW2R-E34GD-C1	
PLCs	XW2R	34		(European type)	50	44.81	98.5	Yes	No	No	No	No	CJ1W-ID232 CJ1W-ID233 CJ1W-ID262	XW2R-E34GD-C2	_
			Push-in spring										CJ1W-ID231 CJ1W-ID261	XW2R-P34GD-C1	
				Clamp	50	44.81	98.5						CJ1W-ID232 CJ1W-ID233 CJ1W-ID262	XW2R-P34GD-C2	

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

Connecting Cables for Connector-Terminal Block Conversion Units

Appearance	Connectors	Cable lenght [m]	Model
XW2Z-@@@PF		0.5	XW2Z-050PF
		1	XW2Z-100PF
	One 40 nin Fuilten Connector to One 40 nin MIL Connector	1.5	XW2Z-150PF
	One 40-pin Fujitsu Connector to One 40-pin MIL Connector	2	XW2Z-200PF
		3	XW2Z-300PF
		5	XW2Z-500PF
W2Z-@@@PM		0.5	XW2Z-050PM
		1	XW2Z-100PM
	One 40 min MIL Commented to One 40 min MIL Commenter	1.5	XW2Z-150PM
	One 40-pin MIL Connector to One 40-pin MIL Connector	2	XW2Z-200PM
		3	XW2Z-300PM
		5	XW2Z-500PM

^{*} Representative models only. For details, refer to the XW2R series catalog (Cat. No. G077).

Applicable I/O Relay Terminals

		Specifications							Size (horizontal mounting) Mounting							
Туре	Series	Class	ification	Polarity	Number of points	Rated ON current at contacts	Rated voltage	Horizontal (mm)	Vertical (mm)	Height (mm)	DIN Track	Screws	Model	Standards		
				NPN									G70V-SID16P *4			
		Innuta	DC	PNP	16	50 A							G70V-SID16P-1 *4	_		
Push-In	G70V	Inputs	inputs	NPN	(SPSTNO×16)	50 mA							G70V-SID16P-C16 *5	1		
Plus	Manager S.			PNP			24 VDC	143	90	56	Voc	Yes	G70V-SID16P-1-C16 *5	UC, CE (TÜV		
terminal				NPN				143	90	30	56 Yes	165	G70V-SOC16P *4	certified)		
block		Outputs	Relay	PNP	16	6 A/point, 10 A/							G70V-SOC16P-1 *4	1		
		Outputs	outputs	NPN	(SPDT×16)	common							G70V-SOC16P-C4 *6			
				PNP									G70V-SOC16P-1-C4 *6			
			AC				100/(110) VAC						G7TC-IA16 AC100/110			
			inputs		40		200/(220) VAC						G7TC-IA16 AC200/220	1		
		Inputs	DC	NPN	16 (SPSTNO×16)	1A	12 VDC	182					G7TC-ID16 DC12			
G7TC		inputs		(01 01110 × 10)		24 VDC						G7TC-ID16 DC24				
	-111		'				100/110 VDC		1				G7TC-ID16 DC100/110			
Standard		Outputs			8		12 VDC	102	85	68	Yes	No	G7TC-OC08 DC12	U, C		
	William Habit		Outputs		NPN	(SPSTNO × 8)		24 VDC	102					G7TC-OC08 DC24		
932	Outputs			Outputs	Outputs	Outputs	Relay		16	5A	12 VDC					
	Outputo	outputs		(SPSTNO×16)	1	24 VDC	182					G7TC-OC16 DC24				
			PNP	16		12 VDC	102					G7TC-OC16-1 DC12				
					(SPSTNO × 16)		24 VDC						G7TC-OC16-1 DC24			
High-	G70A *1 (Socket only)	Inputs	Relay inputs	NPN/ PNP	16 (SPDT×16	100 mA	110 VDC max., 240 VAC max. *2						G70A-ZOC16-5	U, C, CE		
capacity socket		Outnute	Relay	NPN	possible with G2R Relays)	10 A (Ter- minal	041//00	234	75	64	Yes	No	G70A-ZOC16-3	(VDE certified)		
		Outputs	outputs	PNP	1	block al- lowable	24 VDC						G70A-ZOC16-4			
	Vertical type G70D-V			Relay outputs			5 A or 3 A *3							G70D-VSOC16		
			MOSFET relay outputs	NPN	16 (SPSTNO×16)	0.3 A		135	46	81	Yes	Yes	G70D-VFOM16	U, C, CE (VDE certified)		
Space-	Flat type G70D	Outputs		NPN	8 (SPSTNO × 8)	5 A	24 VDC	68	93	44			G70D-SOC08			
Saving	saving		Relay outputs	INFIN	16 (SPSTNO×16)	3 A							G70D-SOC16			
	THE PROPERTY OF			PNP	16 (SPSTNO×16)	3 A		156	51	39	Yes	Yes	G70D-SOC16-1	_		
		MOSFET	NPN	16	000							G70D-FOM16				
	THI HULLING		relay outputs	PNP	(SPSTNO×16)	0.3 A							G70D-FOM16-1			
High- capacity, space- saving	G70R	Outputs	Relay outputs	NPN	8 (SPSTNO × 8)	10 A	24 VDC	136	93	55	Yes	Yes	G70R-SOC08 *7	_		

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

- 2. Please refer to each Datasheet about details.
- 3. When the G7TC is used with an AC rated voltage, three rated currents can be used. If a coil voltage of 110 or 220 VAC is used, 50 Hz cannot be used.

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

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

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

^{*5.} Internal common at terminal block: Internal IO common 16 points internally connected
*6. Internal common at terminal block: Every 4 points internally connected at terminal block middle row.

^{*7.} Product no longer available to order.

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

Cables for I/O Relay Terminals

Туре	Name	I/O Classification	Appearance	Cable leng	gth L (mm)	Models
			A side B side	1,0	000	XW2Z-R100C
	Cables with Connectors		Device end I/O RelayTerminal	1,5	500	XW2Z-R150C
Fujitsu connectors (24 pins)	(1:1)	16 I/O points		2,0	000	XW2Z-R200C
	XW2Z-R□C			3,0	000	XW2Z-R300C
				5,0	000	XW2Z-R500C
				(A) 1,000	(B) 750	XW2Z-RI100C-75
			A side B side	(A) 1,500	(B) 1,250	XW2Z-RI150C-125
		32 input points	Device end I/O RelayTerminal (A)	(A) 2,000	(B) 1,750	XW2Z-RI200C-175
	Cables with Connectors			(A) 3,000	(B) 2,750	XW2Z-RI300C-275
Fujitsu connectors (40 pins)	(1:2)			(A) 5,000	(B) 4,750	XW2Z-RI500C-475
r ujitsu connectors (40 pins)	XW2Z-RI□C-□			(A) 1,000	(B) 750	XW2Z-RO100C-75
	XW2Z-RO□C-□	32 output points	(120)	(A) 1,500	(B) 1,250	XW2Z-RO150C-125
			(B)	(A) 2,000	(B) 1,750	XW2Z-RO200C-175
			Straight length (without bends)	(A) 3,000	(B) 2,750	XW2Z-RO300C-275
				(A) 5,000	(B) 4,750	XW2Z-RO500C-475
	Cables with Connectors		A side B side	2	50	XW2Z-RI25C
MIL connectors (20 pins)	(1:1)	16 I/O points	Device end I/O RelayTerminal	50	00	XW2Z-RI50C
WILL CONNECTORS (20 pins)	XW2Z-RI□C			25	50	XW2Z-RO25C
	XW2Z-RO□C		□	500		XW2Z-RO50C
				(A) 500	(B) 250	XW2Z-RO50-25-D1
				(A) 750	(B) 500	XW2Z-RO75-50-D1
				(A) 1,000	(B) 750	XW2Z-RO100-75-D1
			A side B side	(A) 1,500	(B) 1,250	XW2Z-RO150-125-D1
			Device end I/O RelayTerminal	(A) 2,000	(B) 1,750	XW2Z-RO200-175-D1
	Cables with Connectors		(A)	(A) 3,000	(B) 2,750	XW2Z-RO300-275-D1
MIL connectors (40 pins)	(1:2)	32 I/O points		(A) 5,000	(B) 4,750	XW2Z-RO500-475-D1
WILL CONTROCTORS (40 PINS)	XW2Z-RO□-□-D1,	32 I/O politis		(A) 500	(B) 250	XW2Z-RI50-25-D1
	XW2Z-RI□-□-D1		(120)	(A) 750	(B) 500	XW2Z-RI75-50-D1
			(B)	(A) 1,000	(B) 750	XW2Z-RI100-75-D1
			Straight length (without bends)	(A) 1,500	(B) 1,250	XW2Z-RI150-125-D1
				(A) 2,000	(B) 1,750	XW2Z-RI200-175-D1
				(A) 3,000	(B) 2,750	XW2Z-RI300-275-D1
	eet for the XW2Z-R Cable			(A) 5,000	(B) 4,750	XW2Z-RI500-475-D1

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

Mountable Racks

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

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Specifications

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

-point DC Input Unit with Terminal Block J1W-ID201 2 to 24 VDC 0.2 to 26.4 VDC 4 kΩ 0 mA typical (at 24 VDC) 8 VDC min./3 mAmin. VDC max./1 mA max. 0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 is max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 MΩ min. between external terminals and the GR terminal (100 VDC) 0 00 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 0 mA max.
2 to 24 VDC 0.2 to 26.4 VDC 0.8 VDC min./3 mAmin. VDC max./1 mA max. 0.0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 Is max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 0.0% simultaneously ON 0.0 M \(\Omega\$ min. between external terminals and the GR terminal (100 VDC) 0.000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
0.2 to 26.4 VDC 4 k Ω 0 mA typical (at 24 VDC) 8 VDC min./3 mAmin. VDC max./1 mA max. 0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 is max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
0 mA typical (at 24 VDC) 8 VDC min./3 mAmin. VDC max./1 mA max. 0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 ns max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
0 mA typical (at 24 VDC) 8 VDC min./3 mAmin. VDC max./1 mA max. 0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 is max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
8 VDC min./3 mAmin. VDC max./1 mA max. 0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 is max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
VDC max./1 mA max. 0 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 is max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 0,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
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in max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 0,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 0 mA max.
in max. (Can be set to between 0 and 32 ms in the Setup.) *1 independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 0,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.
independent circuits 00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 0,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 0 mA max.
00% simultaneously ON 0 M Ω min. between external terminals and the GR terminal (100 VDC) 0,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 0 mA max.
000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 0 mA max.
0 mA max.
10 g max.
Signal name Jxx_Ch1_in00 0 Z.4 kΩ Jxx_Ch1_in07 0 Z.4 kΩ Zxx_Ch1_in07 0 Z
Consector Signal name na

^{*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.

The device variable names are the names that use "Jxx" as the device name.

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

^{*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-ID211 DC Input Unit (24 VDC, 16 Points)

Model CJIW-ID211		The second with the second sec							
Rated Input Voltage Rated Input Voltage Rated Input Voltage Range Input Impedance Input Current ON Voltage/ON Current ON Voltage/ON Current ON Response Time (Can be set to between 0 and 32 ms in the Setup.) **1 Number of Circuits Number of	Name	16-point DC Input Unit with Terminal Block							
Rated Input Voltage Range Input Impedance 3.3 k \(\text{ VDC} \) ON Voltage/ON Current ON Voltage/ON F Current ON Response Time Current OFF Response Time (Can be set to between 0 and 32 ms in the Setup.) *1 8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1 18 (16 points/common.) circiuti Number of Circuits Number of Circuits Number of Simultaneously ON Points Insulation Resistance Delectric Strength 1.000 VAC between the external terminals and the GR terminal (100 VDC) Delectric Strength 1.100 max. Signal 3.3 k \(\text{ 470 Q} \) 1.000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. Circuit Configuration Circuit Configuration Figure OFF Response Time OFF Response Time 1.000 VAC between the external terminals and the GR terminal (100 VDC) Delectric Strength 1.000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. Circuit Configuration Circuit Configuration Circuit Configuration Circuit Configuration External connection and terminal-device variable names are the names that use "txx" as the device variable names. The device variable names are the names that use "txx" as the device name. External connection and terminal-device variable names are the names that use "txx" as the device name. External connection and terminal-device variable names are the names that use "txx" as the device name.									
Input Impedance Input Current 7 mA typical (at 24 VDC) 144 VDC min.3 mAmin. 0FF Voltage/ON Current 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setup.)*1 80 ms max. (Can be set to between 0 and 32 ms in the Setu		24 VDC							
Industry Current ON Voltage/ON Current 14.4 VDC min./3 mAmin. OFF Rosponse Time OF Response Time OF Response Time OFF Rosponse OFF Rospo	Range								
OF Voltage/OFF Vol	Input Impedance	3.3 kΩ							
OFF Voltage/OFF Current OR Response Time OFF Response Time OFF Response Time Number of Circuits Numbe	Input Current	7 mA typical (at 24 VDC)							
Current ON Response Time (Can be set to between 0 and 32 ms in the Setup.) *1 8.0 ms max. (Can be set to between 0 and 32 ms in the Setup.) *1 Number of Circuits		14.4 VDC min./3 mAmin.							
OFF Response Time OFF OFF OFF Time OF	-	5 VDC max./1 mA max.							
(Can be set to between 0 and 32 ms in the Setup.) *1 OFF Response Time OF Smuttaneously ON Number of Circuits 16 (16 points/common, 1 circuit) 100% simultaneously ON (at 24 VDC) (Refer to the following illustration.) 100% simultaneously ON (at 24 VDC) (Refer to the following illustration.) 10sulation Resistance 1000 M2 min. between external terminals and the GR terminal (100 VDC) 10ilectric Strength 1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 110 g max. Weight 110 g max. Circuit Configuration Circuit Configuration Temperature characlestics 18 points for seminal characlestics 18 points for seminal consumption at sev. - 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 24 VDC 24 VDC 24 VDC 24 VDC 25 VDC 26 VDC 26 VDC 27 VDC 28 VDC 28 VDC 29 VDC 24 VDC 24 VDC 26 VDC 26 VDC 27 VDC 28 VDC 28 VDC 29 VDC 29 VDC 20 VDC 20 VDC 20 VDC 20 VDC 21 VDC 21 VDC 21 VDC		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 D min. between external terminals and the GR terminal (100 VDC) Internal Current 1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. Internal Current 80 mA max.		Can be set to between 0 and 32 ms in the Setup.) *1							
Simultaneously ON Points 100% simultaneously ON (at 24 VDC) (Refer to the following illustration.) Insulation Resistance 2 0M \(\Omega \) min. between external terminals and the GR terminal (100 VDC) Insulation Resistance 2 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 Circuit Configuration Temperature characteristics. 18 paints for simultaneously ON points at 45°C. OM	OFF Response Time								
Simultaneously ON Points Insulation Resistance Dielectric Strength 1,000 VAC 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. Weight 110 g max. Weight Circuit Configuration 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 100% simultaneously ON point (Refer to the following illustration.) Refer to the following illustration.) 100 M min. between external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 110 g max. 12 points for simultaneously ON points (1 points indicator)		16 (16 points/common, 1 circuit)							
Dielectric Strength 1,000 VAC between the external terminals and the GR terminal (100 VDC) 1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 80 mA max. Weight 110 g max. Circuit Configuration 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	Simultaneously ON								
Dielectric Strength 1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max. 80 mA max. Weight 110 g max. Signal A70 Q Jax Ch1 In00 JAX Ch1 In01 Q Jax Ch1 In01 Q Jax Ch1 In00 D Jax Ch1 In00		20 M O min, between external terminals and the CP terminal (100 V/DC)							
Internal Current Consumption 80 mA max. Weight 110 g max. Temperature characteristics for simultaneously ON points at 45°C. 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. Signal Connector Signal pin 2 Jax Ch1 In01 Jax Ch1 In01 Jax Ch1 In03 Jax Ch1 In03 Jax Ch1 In03 Jax Ch1 In05 Jax Ch1 In06 Jax Ch1 In07 Jax Ch1 In09 Jax									
Weight 110 g max. Signal answer of the terminals are the device variable names. The device variable names are the names that use "J.xx" as the device name. External connection and terminal-device variable diagram External connection and terminal-device variable diagram 110 g max. Temperature characteristics of smutationecosty (N points at 50°C.) 15 points of smutationecosty (N points at 50°C.) 15 points of smutationecosty (N points at 50°C.) 16 points of smutationecosty (N points at 50°C.) 17 points at 50°C. 18 points of smutationecosty (N points at 50°C.) 18 points of smutationecosty (N points at 50°C.) 19 points of smutationecosty (N points at 50°C.) 19 points of smutationecosty (N points at 50°C.) 10 points of smutationecosty (N points at 50°C.) 10 points of smutationecosty (N points at 50°C.) 110 points of smutationecosty (N points at 50°C.) 12 points of smutationecosty (N points at 50°C.) 14 points of smutationecosty (N points at 50°C.) 15 points of smutationecosty (N points at 50°C.) 16 points of smutationecosty (N points at 50°C.) 17 points at 50°C. 18 points of smutationecosty (N points at 50°C.) 19 points of smutationecosty (N points at 50°C.) 19 points of smutationecosty (N points at 50°C.) 20 points of smutationecosty (N points at 50°C.) 21 points of smutationecosty (N points at 50°C.) 22 points of smutationecosty (N points at 50°C.) 23 points at 50°C. 24 voice of smutationecosty (N points at 50°C.) 24 voice of smutationecosty (N points at 50°C.) 25 points of smutationecosty (N points at 50°C.) 26 points of smutationecosty (N points at 50°C.) 27 points at 50°C. 28 points of smutationecosty (N points at 50°C.) 29 points at 50°C. 20 points at 50°C. 20 points at 50°C. 21 points at 50°C. 22 points at 50°C. 23 points at 50°C. 24 voice of smutationecosty (N points at 50°C.) 24 voice of smutationecosty (N points at 50°C		· ·							
Circuit Configuration Signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device variable names. The device variable names are the names that use "Jxx" as the device variable name. External connection and terminal-device variable diagram External connection and terminal-device variable diagram The device variable names are the names that use "Jxx" as the device variable name.	Consumption								
Circuit Configuration Signal Jax_Ch1_In00 Jxx_Ch1_In15 COM The signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device variable name. Signal Jox Ch1_In01 Jxx_Ch1_In02 Jxx_Ch1_In02 Jxx_Ch1_In03	weight	110 g max.							
External connection and terminal-device variable diagram Name pin *2 name name pin *2 name	Circuit Configuration	Signal name 3.3 k \(\Omega \) 470 \(\Omega \) 12 points at 45°C. 3.3 k \(\Omega \) 470 \(\Omega \) 12 points at 55°C. 3.3 k \(\Omega \) 470 \(\Omega \) 12 points at 55°C. 4							
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.	and terminal-device	name pin '2 name O Jxx Ch1 In00 A0 B0 Jxx Ch1 In01 O Jxx Ch1 In04 A2 B1 Jxx Ch1 In05 O Jxx Ch1 In06 A3 B2 Jxx Ch1 In05 O Jxx Ch1 In08 B3 Jxx Ch1 In09 O Jxx Ch1 In10 A5 B5 Jxx Ch1 In10 Jxx Ch1 In11 O Jxx Ch1 In12 A6 B7 xx Ch1 In13 COM A8 B8 O Polarity of the input power supply can be connected in either direction. • Polarity of the input power supply can be connected in either direction. • The signal names of the terminals are the device variable names.							

^{*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)

Name	16-point DC Input Unit with Terminal Block						
Model	CJ1W-ID212						
Rated Input Voltage	24 VDC						
Rated Input Voltage	20.4 to 26.4 VDC						
Range	3.3 kΩ						
Input Impedance							
Input Current	7 mA typical (at 24 VDC)						
ON Voltage/ON Current OFF Voltage/OFF	14.4 VDC min./3 mAmin. 5 VDC max./1 mA max.						
Current							
ON Response Time	3.0 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 min. 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	Temperature characteristics for simultaneously ON points at 45°C. Jxx_Ch1_In00 Jxx_Ch1_In15 COM Input indicator Input indicator Temperature characteristics for simultaneously ON points at 45°C. Input voltage: 26.4 VDC Input voltage: 26.4 VDC Ambient temperature Temperature characteristics for simultaneously ON points at 45°C. Input voltage: 26.4 VDC Ambient temperature Temperature characteristics for simultaneously ON points at 45°C. Input voltage: 26.4 VDC Ambient temperature Temperature characteristics for simultaneously ON points at 45°C. Input voltage: 26.4 VDC Ambient temperature						
External connection and terminal-device variable diagram	Signal name Signal name Signal name Signal name						

^{*1.} The ON response tirhe 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-

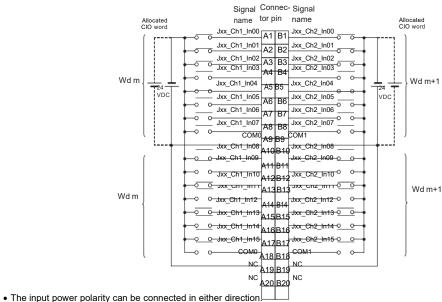
to internal element delays.

*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)

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 kΩ
Input Current	4.1 mA typical (at 24 VDC)
ON Voltage/ON Current	19.0 VDC min./3 mA min.
OFF Voltage/OFF Curren	t 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.	ms max. (Can be set to between 0 and 32 in the Setup.) *
Number of Circuits	32 (16 points/common, 2 circuits)
Number of Simultaneou ON Points	y 75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)
Insulation Resistance	20 M Ω min. 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
Circuit Configuration	Allocated CIO word name Connector row A Connector row B Connector row B Allocated Signal names of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.
	Signal Connec- Signal Allocated name tor pin name Allocated

External connection and terminal-device variable diagram



- 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)

Name	32-point DC Input Unit with MIL Connector		
Model	CJ1W-ID232		
Rated Input Voltage	24 VDC		
Rated Input Voltage Ran			
nput Impedance	5.6 kΩ		
<u> </u>			
nput Current	4.1 mA typical (at 24 VDC)		
ON Voltage/ON Current of OFF Voltage/OFF	9.0 VDC min./3 mA min.		
<u> </u>	5 VDC max./1 mA max.		
Current			
ON Response Time	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *		
OFF Response Time 8.0	. ,		
lumber of Circuits	32 (16 points/common, 2 circuits)		
number of Simultaneous	^{1y} 75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)		
on to onits			
nsulation Resistance	20 M Ω min. 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.		
nternal Current Consum	ption 90 mA max.		
/eight	70 g max.		
ccessories	None		
Circuit Configuration	Connector row A Connector row B Connec		
External connection and terminal-device variable diagram	Allocated CIO word Signal Connector pin Name Name		
	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)

	C Input Unit (24 VDC, 32 Points)		
ame :	32-point DC Input Unit with MIL Connector		
	CJ1W-ID233		
ated Input Voltage	24 VDC		
ated Input Voltage Rang	e 20.4 to 26.4 VDC		
put Impedance	5.6 kΩ		
put Current	4.1 mA typical (at 24 VDC)		
N Voltage/ON Current	9.0 VDC min./3 mA min.		
FF Voltage/OFF Current			
	8.0 ms max. (Can be set to between 0 and 32 in the Setup.) *		
•	ms max. (Can be set to between 0 and 32 in the Setup.) *		
-	32 (16 points/common, 2 circuits)		
	y 75% (12 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustration.)		
	20 M Ω min. between external terminals and the GR terminal (100 VDC)		
tornal Current	1,000 VAC between the external terminals and the GR terminal for 1 minute at a leakage current of 10 mA max.		
onsumption	200 mA max.		
•	70 g max.		
	None		
rcuit Configuration	Allocated CIO word name Number of Simultaneously ON Points vs. Ambient Temperature Characteristic Connector row A Connector row B One of the terminals are the device variable names. The device variable names are the names that use "Jxx" as the device name.		
sternal connection Id terminal-device riable diagram	Allocated CIO word Value Connection Signal Connection Cio word		

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) 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 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.) * 64 (16 points/common, 4 circuits) **Number of Circuits** Number of Simultaneous by 50% (16 points/common) simultaneously ON (at 24 VDC) (Refer to the following illustrations.) Insulation Resistance 20 M Ω min. 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 90 mA max. Consumption Weight 110 g max. Accessories None Signal name Number of Simultaneously ON Points vs Jxx Ch1 In00 Ambient Temperature Characteristic 64 points at Jxx Ch1 In15 CN1 neously ON 60 Input voltage: 20.4 VDC SW 50 Jxx_Ch2_In15 Input indicato nput voltage 24 VDC (total: 45 points) at 55°C COM1 Circuit Configuration 30 Wd Jxx_Ch3_In00 Input volta 26.4 VDC 8 points/common at 55°C +2 Jxx_Ch3_ln15 COM2 COM2 Jxx_Ch4_In00 10 (total: 26 points max.) at 55°C CN2 Wd J to n+3 Jxx_Ch4_In15 row B 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 Signal Signal Signal name Allocated CIO word Allocated CIO word B20 A20 A1 B1 B19 A19 A2 B2 B18 A18 Jxx Ch3 In02 Jxx Ch4 In02 COM A3 B3 B17 A17 m+2 Wd m+3 B16 A16 PΜ 0-A5 B5 24 VD B15 A15 VDC 0 A6 B6 0 Jxx_Ch3_ln0 Jxx_Ch4_In06 B14 A14 Md m 0 A7 B7 Jxx_Ch2_In12 PΜ Jxx Ch3 In07 Jxx Ch4 In07 B13 A13 A8 B8 COM2 ОМЗ A9 B9 B11 A11 Jxx Ch3 In08 A10 B10 Jxx Ch2 In09 Jxx Ch1 In09 B10 A10 External connection and terminal-device A11 B1 Jxx_Ch2_In08 Jxx_Ch1_In08 B9 A9 variable diagram COM1 СОМО A12 B12 B8 A8 A13 B13 Jxx Ch1 In07 Jxx Ch3 In12 Jxx Ch4 ln12 B7 -0 PΜ PM A14|B14 Jxx_Ch1_In06 Jxx Ch2 In06 В6 A6 Jxx Ch3 In13 Jxx Ch4 ln13 -0 A15|B15 H+1 VDC VDC Mdm ρM Jxx_Ch4_ln15 B4 Jxx Ch3 In15 A17 B17 Jxx Ch1 In03 COM2 сомз B3 | A3 A18 B18 Jxx_Ch1_In02 Jxx Ch2 In02 A19 B19 NC B2 A2 -0 Jxx_Ch2_In01 A20 B20 • The input power polarity can be connected in either direction. • 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 • Be sure to wire both pins A9 and A18 (COM2) of CN2, and set the same polarity for both pins. same polarity for both pins • Be sure to wire both pins B9 and B18 (COM1) of CN1, and set the 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 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 device variable names are the names that use "Jxx" as the device name.

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.

^{*} 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.

CJ1W-ID262 DC Input Unit (24 VDC, 64 Points)

Rated injust Voltage Rated inj	Name	Los might Do largest Units with Mill Commenter		
Raded injut Votage Range 20.4 to 26.4 VDC Range (1) Votage (2) 20.4 to 26.4 VDC (1) Votage (2) 20.4 VDC (2) VDC (2) 20.4 VDC (2)	Name Madel	64-point DC Input Unit with MIL Connector		
About Configuration Figure 1 to more connection and terminal connection and t				
Sange 5.6 kV 2000 point Importance 5.6 kV 2000 No Violage/ON Current 9.0 vVDC min.3 mA min. SFF Vollage/OFF Current 500 ms and A min. SFF Vollage/OFF Current 500 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* SFF Response Time 80 ms and Can be set to between 0 and 32 in the Setup.)* S				
prior time date of the control of th	•	20.4 to 26.4 VDC		
Notinga/OK Current 150 PVC mind make min. Notinga/OK Current 150 PVC mind make min. Notinga/OK Current 150 PVC mind make min. Note Reported Time 150 PVC mind make min. Note Reported Time 150 PVC mind make min. Note Reported Time 150 PVC mind make mind		5.6 kΩ		
N Voltage/ON Current 3 yD CMC min. 3 m A min. FF Voltage/OF Current 5 yD Cm. current 6 yD	•	4.1 mA typical (at 24 VDC)		
RF Voltage/OFF Current 5 VOC max./ If nA max. No Response Time 60 ms max. (Can be set to between 0 and 32 in the Setup.) * More of Circuits under of Simultaneously Significant (Can be set to between 0 and 32 in the Setup.) * 84 (46 pointaincomnon, 4 circuits) 84 (46 pointaincomnon, 4 circuits) 84 (46 pointaincomnon, 4 circuits) 85 (46 pointaincomnon, 4 circuits) 80 ms max. (Can be set to between 0 and 32 in the Setup.) * 84 (46 pointaincomnon, 4 circuits) 84 (46 pointaincomnon, 4 circuits) 85 (46 pointaincomnon, 4 circuits) 85 (46 pointaincomnon, 4 circuits) 85 (47 pointaincomnon, 4 circuits) 86 (46 pointaincomnon, 4 circuits) 87 (47 pointaincomnon, 4 circuits) 88 (47 pointaincomnon, 4 circuits) 89 (47 pointaincomnon, 4 circuits) 89 (47 pointaincomnon, 4 circuits) 89 (47 pointaincomnon, 4 circuits) 80 m/m max. 10 m/m max. 11 g max. 10 m/m max. 11 g max. 10 m/m max. 11 g	•			
Sixernal connection The signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The disparation of the signal names of the terminal are the device variable names. The signal names of the terminal are the device variable names. The signal names of the terminal are the device	OFF Voltage/OFF Curren	t 5 VDC max./1 mA max.		
About Configuration Fixtural connection and terminal-device ariable diagram The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names. The proper or signal of the signal names of the signal o				
No Points soulation Resistance 20 M o min. between external terminals and the GR terminal (100 VDC) Displacetric Strength	OFF Response Time 8.0	ms max. (Can be set to between 0 and 32 in the Setup.) *		
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Disclaric Strength Informal Current Sonsumption 90 mA max. Moreint 100 mAx Accessories None Accessories None Accessories Circuit Configuration Circuit Configuration The signal names of the terminals are the device variable names. The divictor signal connection and terminal-device arriable diagram The divictor signal connection and terminal-device arriable diagram The input power polarity can be connected in either direction. The super to where to thing in a 23 and 24 (COMI) of CN1, and set the same polarity for both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN1, and set the because to where both pins 23 and 24 (COMI) of CN2, and set the same polarity for both pins. The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names. The signal names of the ter	UN Points			
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Accessories None Accessories Accessori		90 mA max.		
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Circuit Configuration	Accessories	Notice		
Allocated CIO word Signal Connection and terminal-device variable diagram Allocated CIO word Signal 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. Be sure to wire both pins as and 4 (COM3) of CN1, and set the same polarity for both pins. Be sure to wire both pins as and 4 (COM3) of CN2, and set the same polarity for both pins. Be sure to wire both pins as and 4 (COM3) of CN2, and set the same polarity for both pins.	Circuit Configuration	Wd m Jxx_Ch1_Into Jxx_Ch2_Into Jxx_Ch2_Into Jxx_Ch2_Into Jxx_Ch2_Into Jxx_Ch2_Into Jxx_Ch2_Into Jxx_Ch3_Into Jxx_Ch3_Into	Ambient Temperature Characteristic 10 64 points at 25°C 64 points at 35°C 64 points at 47°C 10 10 10 10 10 10 10 10 10 10 10 10 10 1	
The signal names of the terminals are the device variable names. The signal names of the terminals are the device variable names.	and terminal-device	CIO word CIO word Name tor pin name CIO word	CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word CIO word	
		same polarity for both pins. The signal names of the terminals are the device variable names.	same polarity for both pins.	

^{*} 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)

	In the same that is a second of the same that		
Name	8-point AC Input Unit with Terminal Block		
Model	CJ1W-IA201		
Rated Input Voltage	00 to 240 VAC 50/60 Hz		
Rated Input Voltage Range	70 to 264 VAC		
Input Impedance	21 kΩ (50 Hz), 18 kΩ (60 Hz)		
Input Current	mA typical (at 200 VAC, 50 Hz), 1 mA typical (at 200 VAC, 60 Hz)		
ON Voltage/ON Current	20 VAC min./4 mA min.		
OFF Voltage/OFF Current	0 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 min. 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	Input indicator Jxx_Ch1_In00 Jxx_Ch1_In07 0.15 μF 220 Ω 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	Connector pin ⁻² Signal name NC A0 B0 Jxx_Ch1_ln00		
	NC A6 B6 Jxx_Ch1_ln06		

В8

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

• The signal names of the terminals are the device variable names.

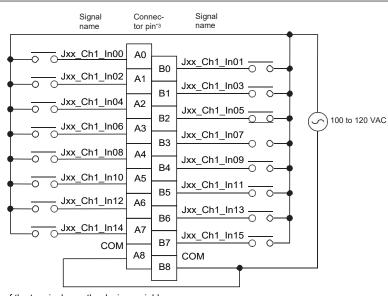
The device variable names are the names that use "Jxx" as the device name.

^{*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 55 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

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

Name	16-point AC Input Unit with Terminal Block	
Model	CJ1W-IA111	
Rated input voltage	00 to 120 VAC 50/60 Hz *2	
Rated Input Voltage Range	85 to 132 VAC	
Input Impedance	14.5 kΩ (50 Hz), 12 kΩ (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 min. 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	Signal name Jxx_Ch1_In00 Jxx_Ch1_In15 0.22 μF 270 Ω 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 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 55 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	Signal name (CJ/NJ)
	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
	:	:
	06	IN6/Jxx_Ch1_In06
Wd m	07	IN7/Jxx_Ch1_In07
(Input)	08	-
	09	_
	:	:
	14	_
	15	_

16-point Input Unit

Allocated CIO word		Signal name (CJ/NJ)
CIO	Bit	Signal name (CJ/NJ)
	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
Wd m (Input)	:	:
(mpat)	14	IN14/Jxx_Ch1_ln14
	15	IN15/Jxx_Ch1_ln15

32-point Input Unit

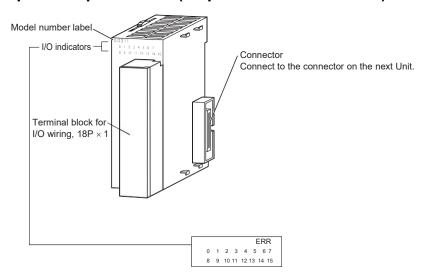
Allocated CIO word		G: (Q (A) I)
CIO	Bit	Signal name (CJ/NJ)
	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
Wd m (Input)	:	:
(p.s.)	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_In15
	00	IN0/Jxx_Ch2_In00
Wd m+1 (Input)	01	IN1/Jxx_Ch2_In01
	:	:
	14	IN14/Jxx_Ch2_In14
	15	IN15/Jxx_Ch2_In15

64-point Input Unit

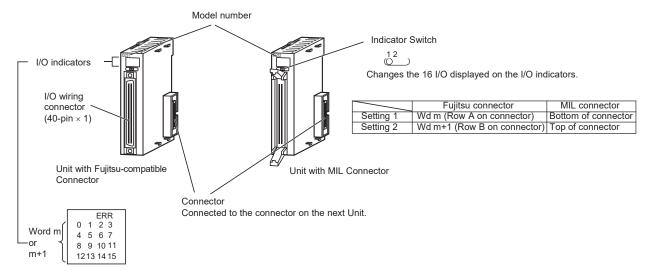
Allocated CIO word		Cirrol roma (C I/N I)
CIO	Bit	Signal name (CJ/NJ)
	00	IN0/Jxx_Ch1_In00
	01	IN1/Jxx_Ch1_In01
Wd m (Input)	:	:
(p.u.)	14	IN14/Jxx_Ch1_In14
	15	IN15/Jxx_Ch1_ln15
	00	IN0/Jxx_Ch2_In00
	01	IN1/Jxx_Ch2_In01
Wd m+1 (Input)	:	:
(mpat)	14	IN14/Jxx_Ch2_In14
	15	IN15/Jxx_Ch2_In15
	00	IN0/Jxx_Ch3_In00
	01	IN1/Jxx_Ch3_In01
Wd m+2 (Input)	:	:
(input)	14	IN14/Jxx_Ch3_In14
	15	IN15/Jxx_Ch3_In15
	00	IN0/Jxx_Ch4_In00
	01	IN1/Jxx_Ch4_In01
Wd m+3 (Input)	:	:
(mput)	14	IN14/Jxx_Ch4_In14
	15	IN15/Jxx_Ch4_In15

External Interface

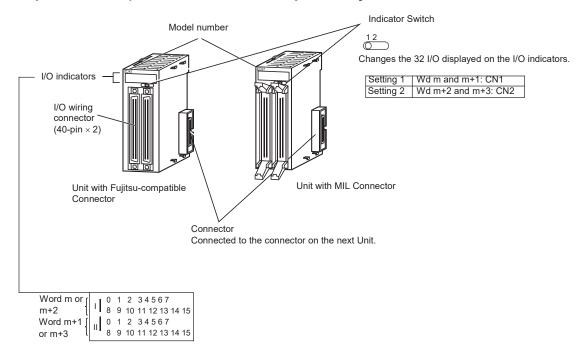
8-point/16-point Units (18-point Terminal Blocks)



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.

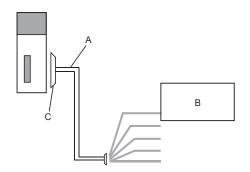


I/O Unit Wiring Methods

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.

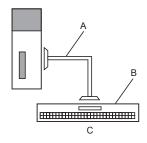


Α	User-provided cable
В	External device
С	Connector

2. Connector-Terminal Block Conversion Unit

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

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

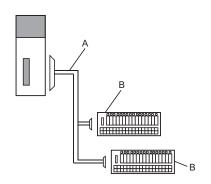


A	Connecting Cable for Connector-Terminal Block Conversion Unit XW2Z
В	Connector-Terminal Block Conversion Unit XW2R
С	Conversion to a screw terminal block

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.



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

1. Using User-made Cables with Connector

Available Connectors

Use the following connectors when assembling a connector and cable.

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

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

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 *1	FRC5-A040-3T0S		
	40	XG5N-401 *2	HU-40OS2-001		
Crimped _		Crimp Contacts for XG5N *3 XG5W-0232 (loose contacts: 100 pieces) XG5W-0232-R (reel contacts: 10,000 pieces)	HU-111S		

^{*1.} Socket and Stain Relief set.

Wire Size

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

Crimping Tools

The following models are recommended for crimping tools and pressure-welding tools for Fujitsu connectors. Tools for Crimped Connectors (Fujitsu Component)

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

Tools for Pressure-welded Connectors (Fujitsu Component)

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

The following models are recommended for tools for OMRON MIL connectors. Tools for Pressure-welded Connectors (OMRON)

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

Tools for Crimped Connectors (OMRON)

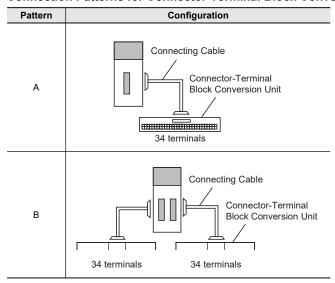
Product Name	Model
Manual Crimping Tool	XY2B-7007

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

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

2. Connecting Connector-Terminal Block Conversion Units

Connection Patterns for Connector-Terminal Block Conversion Units



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

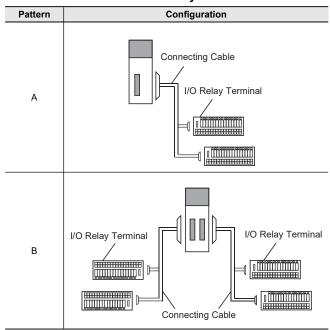
Unit	I/O capacity	Number of connectors	Polarity	Connection pattern	Connecting Cable *	Connector-Terminal Block Conversion Unit	Wiring method	Common terminals	
						XW2R-J34GD-C1	Phillips screw		
CJ1W-ID231	32 inputs	1 Fujitsu connector	NPN/PNP	Α	XW2Z-@@@PF	XW2R-E34GD-C1	Slotted screw (rise up)	No	
						XW2R-P34GD-C1	Push-in spring		
						XW2R-J34GD-C2	Phillips screw		
CJ1W-ID232	32 inputs	1 MIL connector	NPN/PNP	Α	XW2Z-@@@PM	XW2R-E34GD-C2	Slotted screw (rise up)	No	
						XW2R-P34GD-C2	Push-in spring		
	CJ1W-ID233 32 inputs 1 MIL	puts 1 MIL connector				XW2R-J34GD-C2	Phillips screw		
CJ1W-ID233			NPN/PNP	A	XW2Z-@@@PM	XW2R-E34GD-C2	Slotted screw (rise up)	No	
								XW2R-P34GD-C2	Push-in spring
						XW2R-J34GD-C1 (2 Units)	Phillips screw		
CJ1W-ID261	64 inputs	4 inputs 2 Fujitsu connectors		В	XW2Z-@@@PF (2 pcs)	XW2R-E34GD-C1 (2 Units)	Slotted screw (rise up)	No	
			Comicotors			(2 500)	XW2R-P34GD-C1 (2 Units)	Push-in spring	
						XW2R-J34GD-C2 (2 Units)	Phillips screw		
CJ1W-ID262 64	64 inputs	its 2 MIL connectors	I NPN/PNP	В	XW2Z-@@@PM (2 pcs)	XW2R-E34GD-C2 (2 Units)	Slotted screw (rise up)	No	
					()	XW2R-P34GD-C2 (2 Units)	Push-in spring		

* The box @ is replaced by the cable length.

Note: For details, refer to the XW2R series catalog (Cat. No. G077).

3. Connecting I/O Relay Terminals

Connection Patterns for I/O Relay Terminals



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

	I/O Units			I/O Units Connection Connection			ables	I/O Relay Terminals									
Model	I/O capacity	External connectors	Polarity	pattern	Model *1	Quantity required	Model	I/O points	Quantity required	Wiring method							
		1 Fujitsu	Sinking/				G70V-SID16P(-1)(-C16) *2	16		Push-in spring							
CJ1W-ID231	32 inputs	connector	Sourcing	Α	XW2Z-RI@C-@	1	G7TC-ID/IA16	16	2	Screw terminal							
		(40 p)	(NPN/PNP)				G70A-ZIM16-5 *3	16		Screw terrilinar							
		1 MIL	Sinking/				G70V-SID16P(-1)(-C16) *2	16		Push-in spring							
CJ1W-ID232	2 32 inputs	32 inputs connector Soi	32 inputs connector	Sourcing	Α	XW2Z-RO@-@-D1	1	G7TC-ID/IA16	16	2	Screw terminal						
				(40 p)	(40 p)	(40 p)	(40 p)	(40 p)	(40 p)	(40 p)	(40 p)	(NPN/PNP)				G70A-ZIM16-5	16
	1 MIL connector	puts connector Sou	Sinking/				G70V-SID16P(-1)(-C16) *2	16		Push-in spring							
CJ1W-ID233			inputs connector	32 inputs connector	32 inputs connector	2 inputs connector	nputs connector			nputs connector Sour	Sourcing	Sourcing A	XW2Z-RO@-@-D1	1	G7TC-ID/IA16	16	2
											(40 p)	(40 p)	(40 p)	(40 p)	(NPN/PNP)		
		2 Fujitsu	Sinking/				G70V-SID16P(-1)(-C16) *2	16		Push-in spring							
CJ1W-ID261	/-ID261 64 inputs connectors S	Sourcing	В	XW2Z-RI@C-@ 2 G7TC-ID/IA16 16 4	4	Screw terminal											
			(40 p) (NPN/PNF	(40 p) (NF	(40 p)	(40 p)	(NPN/PNP)				G70A-ZIM16-5 *3	16		Screw terminal			
	CJ1W-ID262 64 inputs c		Sinking/				G70V-SID16P(-1)(-C16) *2	16		Push-in spring							
CJ1W-ID262			2	G7TC-ID/IA16	16	4	Screw terminal										
(40 p) (NF	(40 p) (NPN/PNP)			G70A-ZIM16-5 *3	16		Screw terminar										

^{*1.} The box @ is replaced by the cable length.

^{*2.} Either NPN inputs or PNP inputs can be used.

^{*3.} G70A-ZIM16-5 is a I/O terminal socket products. Relay is not provided with the socket. Be sure to order a relay, timer separetely. (with G2R Relays mounted: SPDT × 16)

Dimensions (Unit: mm)

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

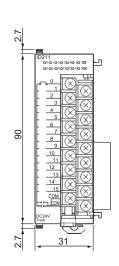
CJ1W-ID201

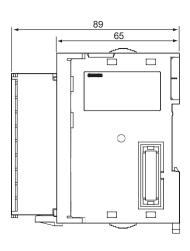
CJ1W-ID211 CJ1W-ID212

CJ1W-IA201

CJ1W-IA111



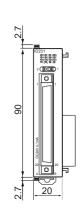


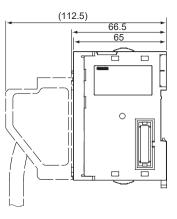


32-point Units (Input Units)

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

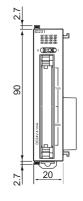


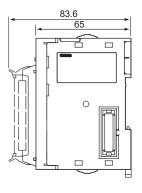




With MIL Connector (40-pin \times 1) CJ1W-ID232 CJ1W-ID233



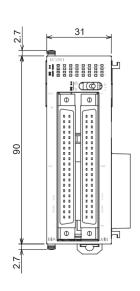


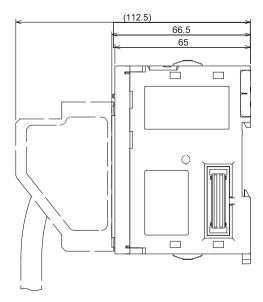


64-point Units (Input Units)

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

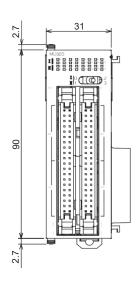


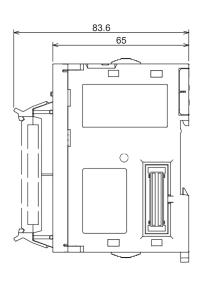




With MIL Connector (40-pin \times 2) CJ1W-ID262







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

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