OMRON

• Isolated-type Resistance Thermometer Input Units

Unit clas- sification	Product name	Input points	Signal range selection	Signal range	Conversion speed (resolution)	Accuracy (at ambient temperature of 25°C)	External connec- tion	No. of unit num- bers allo- cated	Current con- sumption (A)			
									5 V	24 V	Model	Standards
CJ1 Special I/O Units	Process Analog Input Units (Isolated- type Resis- tance Thermom- eter Input Units)	4 inputs	Com- mon inputs	Resistance ther- mometer: Pt100, JPt100	Conver- sion speed: 250 ms/ 4 inputs	Accuracy: ±0.3°C of PV or ±0.8°C, which- ever is larger, ±1 digit max.	Remov- able termi- nal block	1	0.25		CJ1W-PTS52	UC1, CE

Note: This is for an external power supply, and not for internal current consumption.

• Isolated-type DC Input Units

Unit clas- sification	Product	Input points	Signal range selection	Conversion speed	Accuracy (at ambient	External connec-	No. of unit	Currei sumpt	nt con- ion (A)	Model	Standards
	name			(resolution)	of 25°C)	tion	allocated	5 V	24 V		
CJ1 Special I/O Units	Isolated- type DC Input Units	2 inputs	DC voltage: 0 to 1.25 V, -1.25 to 1.25 V, 0 to 5 V, 1 to 5 V, -5 to 5 V, 0 to 10 V, -10 to 10 V, ± 10 V selectable range DC current: 0 to 20 mA, 4 to 20 mA	Conversion speed: 10 ms/ 2 inputs Resolution: 1/64,000	Standard accuracy: ±0.05% of F.S.	Remov- able terminal block	1	0.18	0.09 (See note.)	CJ1W-PDC15	UC1, CE

Note: This is for an external power supply, and not for internal current consumption.

■ Analog I/O Units

• Analog Input Units

Unit clas- sification	Product name	Input points	Signal range selec-	Signal range	Resolution	Conversion speed	Accuracy (at ambient temperature of	External connec- tion	No. of unit numbers	Cur cons tion	rent ump- i (A)	Model	Standards
			tion				25°C)		allocated	5 V	24 V		
CJ1 Special I/O Units	Analog Input Units (High-speed type	log it s eed type 4 inputs	Set sepa- rately for	1 to 5 V (1 0 to 10 V (-5 to 5 V (-10 to 10 and 4 to 20 m/	/10,000), (1/20,000), (1/20,000), V (1/40,000), A (1/10,000)	20 μs/1 point, 25 μs/2 points, 30 μs/3 points, 35 μs/4 points The Direct conversion is provided.	Voltage: ±0.2% of F.S. Current: ±0.4% of F.S.	Remov- able termi- nal block	1	0.52		CJ1W-AD042	UC1, CE
	Analog Input Units	8 inputs 4 inputs	_ for each input	1 to 5 V, 0 to 5 V, 0 to 10 V, -10 to 10 V, 4 to 20 mA	1/4000, (Settable to 1/8000) (See note 1.)	1 ms/point max. (Settable to 250 µs/point) (See note 1.)	Voltage: ±0.2% of F.S. Current: ±0.4% of F.S. (See note 2.)			0.42		CJ1W-AD081-V1 CJ1W-AD041-V1	UC1, N, L, CE

Note 1. The resolution and conversion speed cannot be set independently. If the resolution is set to 1/4,000, then the conversion speed will be 1 ms/point. 2. At 23 ±2°C

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Analo	g Outpu	t Units	i											
			Signal		Resolu- tion	Conver- sion speed	Accuracy		External power supply	No. of unit	Current con- sumption (A)			
Unit clas- sification	Product name	Output points	range selec- tion	Signal range			(at ambient temperature of 25°C)	External connec- tion		num- bers allo- cated	5 V	24 V	Model	Standards
	Analog Output Units (High-speed type	4 outputs	Set sepa- rately for each input	1 to 5 V (1/10 0 to 10 V (1/2 and –10 to 10 V (),000), 20,000), 1/40,000)	20 µs/ 1 point, 25 µs/ 2 points, 30 µs/ 3 points, 35 µs/ 4 points The Direct conver- sion is provided.	±0.3% of F.S.	Remov- able termi- nal block			0.40		CJ1W-DA042V	UC1, CE
CJ1 Special I/O	Analog Output Units	8 outputs		1 to 5 V, 0 5 to 5 V, 0 to 10 V, -10 to 10 V	1/4,000 (Settable	1 ms/ point max.			24 VDC +10% -15% , 140 mA max.	1	0.14	0.14 (See note.)	CJ1W-DA08V	UC1, N, L, CE
Units		8 outputs		4 to 20 mA	to 1/8,000)	(Settable to 250 μs/point)			24 VDC +10% -15% , 170 mA max.		0.14	0.17 (See note.)	CJ1W-DA08C	UC1, N, CE
		4 outputs		1 to 5 V, 0 to 5 V,	1/4000	1 ms/) point max.	Voltage output: $\pm 0.3\%$ of F.S. Current output: $\pm 0.5\%$ of F.S.		24 VDC ^{+10%} -15% , 200 mA max.		0.12	0.2 (See note.)	CJ1W-DA041	UC1, N, L,
		2 outputs		0 to 10 V, -10 to 10 V, 4 to 20 mA	1/4000				24 VDC +10% -15% 140 mA max.		0.12	0.14 (See note.)	CJ1W-DA021	CE

Note: This is for an external power supply, and not for internal current consumption

Analog I/O Units

Unit clas- sification	Product name	No. of points	Signal range selec-	Signal range	Resolu- tion (See	- Conversion speed (See note.)	Accuracy (at ambient temperature of 25°C) Externa connec tion	External connec-	No. of unit numbers allocated	Current consump- tion (A)		Model	Standards
			tion		note.)				anocated	5 V	24 V		
CJ1	Analog I/O Units	4 inputs	Set sepa-	1 to 5 V,	1/4,000 (Settable to 1/8,000)	1 ms/point (Settable to 500 μs/point max.)	Voltage input: $\pm 0.2\%$ of F.S. Current input: $\pm 0.2\%$ of F.S.	Remov- able termi- nal block	1				
CJ1 Special I/O Units		2 outputs	rately for each input	>pa- 1 to 5 V, 0 to 5 V, 0 to 10 V, r -10 to 10 V, ach 4 to 20 mA			Voltage output: ±0.3% of F.S. Current output: ±0.3% of F.S.			0.58		CJ1W-MAD42	UC1, N, L, CE

Note: The resolution and conversion speed cannot be set independently. If the resolution is set to 1/4,000, then the conversion speed will be 1 ms/point.