

OMRON Corporation

SYSMAC CS/CJ Series Position Control Units

CJ1W-NCF71, CS1W-NCF71

Category
Category1 (★)

Features

- Control up to 16 axes with one Unit.
- Make the most of motor performance: No upper limit to speed command to Servo Driver because communications are used.
- Use direct operation to directly specify the target position and target speed from the PLC's CPU Unit.
- Perform speed control or torque control, or switch between speed and torque control.
- Supports motors with absolute encoders.
- Set and monitor Servo Driver parameters from the PLC's CPU Unit.



CJ1W-NCF71

CS1W-NCF71

Specifications

Item	Specifications
Control method	MECHATROLINK- II Position commands, Speed commands, Torque commands
Number of control axis	16 axes max.
Controlled drivers	OMRON W-series Servo Drivers R88D-WN□□□-ML (built-in MECHATROLINK- II communications) R88D-WT□□□+MECHATROLINK- II Interface Unit
Maximum position command value	– 2147483648 to 2147483647 command units Command unit: Depends on electronic gear setting in Servo parameters.
Control functions	Servo lock/unlock, position control, establishing the origin, jogging, interrupt feeding, speed control, torque control, stop functions, acceleration/ deceleration curves, torque limit, overrides, servo parameter transfers, monitoring, software limits, and backlash compensation

MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Servo	-	-	×
	Stepping Motor Drivers	-	-	-
	Intelligent I/O	-	-	-
	Simple I/O	-	-	-
	Inverter	-	-	-
Transmission cycle				0.25 ms, 0.5 ms, 1 to 8 ms (See note.)

Note: User can set communications cycle to 0.25 ms or 0.5 ms, or to 1 to 8 ms in increments of 1 ms-

Contact Information

OMRON Corporation

Drive Div.

Regional H.Q. OMRON EUROPE
B.V.

OMRON ELECTRONICS LLC

OMRON ASIA PACIFIC PTE. LTD.

OMRON (CHINA) CO., LTD.

URL : <http://www.omron.com/>

Shiokoji Horikawa, Shimogyo-ku, Kyoto, 600-8530 Japan

Wegalaan 67-69, NL-2132 JD Hoofddorf, The Netherlands

1 East Commerce Drive Schaumburg, IL 60173 U.S.A

83 Clemenceau Avenue, #11-01, UE Square, Singapore
239920

Room 2211, Bank of China Tower, 200 Yin Cheng Zhong
Road, PuDong New Area, Shanghai, 200120 China

TEL : +81-75-344-7233

TEL : +31-2356-81-300

TEL : +1-847-843-7900

TEL : +65-6835-3011

TEL : +86-21-5037-2222

FAX : +81-75-344-7107

FAX : +31-2356-81-388

FAX : +1-847-843-8568

FAX : +65-6835-2711

FAX : +86-21-5037-2200