

CKD NIKKI DENSO CO., LTD.

AC Servo System VC II series

Features

It corresponds not only to high function direct drive servomotor (DD motor), but it is also able to fit to linear servomotor and synchronous and induction type AC servomotor to bring out the optimal performance of these motors from high response to ultra low speed range.

Functions to optimize the motor performance

- Auto notch filter to improve the efficiency for the resonance control operation
- 4 kinds of Gain selection functions to choose the suitable gain to match with the load condition
- Effective resonance control filter function to control resonance at the distal end of machine.
- Smooth startup can be done by using the special data editing software with operation function, monitoring, editing, and analysis function



AC servo driver
VC II series

DD motor τ DISC
series

Specifications

Item		Specifications
MECHATROLINK Communication	Behavioral specification	Position control by MECHATROLINK-III communication
	Command input	MECHATROLINK-III command (Alarm/Warning readout, Interpolation feeding, Positioning, etc.)
Output capacity (Input power source)		50 to 200W (AC100V to 115V 50/60Hz Single phase) 0.1 to 37kW (AC200V to 230V 50/60Hz 3-phase) 0.26 to 55kW (AC400 to 460V 50/60Hz 3-phase)
Number of control axes		Single axis
Control input signal	Number of channels	4 points (see "Note")
	Function	Emergency stop*, Zero point deceleration, Speed over ride, Positive/Negative over travel*
Control output signal	Number of channels	4 points Allocating to each signals (see "Note")
	Function	Servo ready, Alarm (*), Warning (*), Positioning complete, Speed zero, Torque limiting, Brake release, Soft limit switch, Marker output, Speed/Torque/Rough positioning/Pulse train mode running
Auto tuning functions		Possible to tune for the case with relatively large inertia ratio by parameter setting
Gain selection functions		<ul style="list-style-type: none"> • 4 kinds of gain selection are possible by High-level controller • Capable to correspond to the position loop gain for the Gain selection

Note: The signal with * is Negative logic, and The signal with (*) is possible to for changing logic by the parameters.

MECHATROLINK specifications

	M-III
Profile	Standard servo
Data size	32byte, 48byte
Transmission cycle	0.5ms to 4.0ms

Contact Information

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