DeviceNet™ Application Module for Sigma II Servo Systems

Type: **JUSP-NS300**

YASKAWA
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Fieldbus Interfacing and Functionality Upgrading for Yaskawa's High Performance Sigma II Series



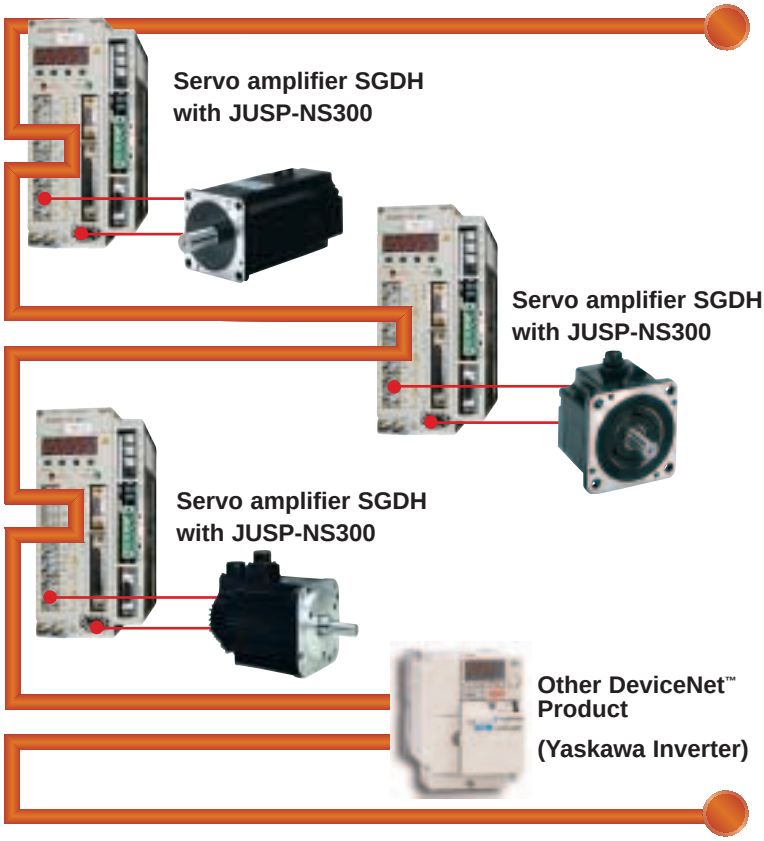
DeviceNet™ CONFORMANCE TESTED

- Easy integration into the world of DeviceNet™
- Simplifies the control system by decentralization
- Control System Simplification:
  - reduction in wiring
  - lower capital/running cost
- Ease of Use:
  - just snap NS300 option board onto high performance Sigma II Servo Amplifier
- Various Motion Control Functions:
  - 4 types of homing
  - point-to-point positioning
  - 16-stage speed/position block
  - rotary station number input
  - external positioning (registration)
  - point table positioning – Example:

Point No.	Position	Speed
1	1,000	70 rpm
•		
•		
•		
50	12,000	800 rpm

- Edit up to 50 positions and corresponding speeds to NS300's set of parameters via DeviceNet™ communication or via RS232 Setup Tool PC Program
- DeviceNet™ master commands the target

DeviceNet™ Topology



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Applicable Servo Amplifier: Sigma II Series SGDH

DeviceNet™ communication:	— accepts slave polled I/O and explicit messages — choice of transmission speeds 125k/250k/500k — 64-point input/64-point output general purpose I/O profile
RS232C communication:	— Setup Tool for PC
Motion Control Functions:	— 4 types of homing — 8 types of acceleration/deceleration — point-to-point positioning — 16-stage speed/position block — rotary station number input — external positioning (registration) — point table positioning (50 speed/position points) — stepping positioning — feeding function
I/O:	— P-OT, N-OT (overtravel limit switch) — DEC (homing limit switch) — EXT (external latch input) — ESTOP (emergency stop input) — PA, PB, PC (external encoder input) — ALM (3 digit alarm code output) — BK (brake signal output) — COIN (in position output) — NEAR (near position output) — NOTCH (2 notch signal output)
Applications:	— Semiconductor — Assembly — Food & Packaging — Paper Production — Printing — Textile — Material Handling — Pick & Place — Machine Tool

Yaskawa... *A World of Automation Solutions™*

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