

Yaskawa Releases SigmaLogic Option for Sigma-5 Servos

New Option Allows Programming of Sigma-5 Servos via Rockwell PLCs

Waukegan, Ill. The Drives & Motion Division of Yaskawa America, Inc. announces the release of SigmaLogic, a new Sigma-5 servo option that can be connected to Rockwell PLCs with Add-On Instructions (AOIs). SigmaLogic allows users to control Yaskawa Sigma-5 SERVOPACKS from within a Rockwell RSLogix5000 program.

SigmaLogic can be used in 2 ways:

- Use individual motion function block Add-On Instructions (AOIs) in RSLogix5000 PLC programming environment
- Use AOIs to start a pre-defined motion sequence stored in the SigmaLogic axis



The Yaskawa-written and tested AOIs are compatible with all CompactLogix and ControlLogix PLCs using RSLogix5000 software v17 and above. Right-click instruction help is available for all AOIs in the PLC programming environment. All AOIs are named to be familiar to Rockwell users.

SigmaLogic can be used in conjunction with LogicWorks™, a software utility that allows users to create individual move profiles and sequencing for their application. Sequence table and configuration data can be uploaded or downloaded to or from LogicWorks .

Use as many SigmaLogic(s) as you have unused connections in your PLC. Perform basic point to point moves, blended speed moves, homing, jogging and gearing to an external encoder using either direct commands or a 200 point configurable sequence table. Use the extra 8 inputs and 8 outputs on the SigmaLogic servo system in an indexing sequence table or in your PLC application.

Additionally, SigmaLogic contains all of the key features of Sigma-5:

- Tuningless mode automatically adjusts for up to 20:1 in load to rotor inertia mismatch allowing smaller motor and reduced gearing
- Vibration suppression reduces noise during operation improving tracking and settling time resulting in very smooth edges of machined parts
- 20 bit absolute encoders
- 50 watts to 15kW. 100, 230 or 480 VAC input
- UL/CE/RoHS
- Integrated safety (Safe torque off)

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About Yaskawa

The Drives & Motion Division of Yaskawa America, Inc. manufactures industrial automation equipment. Its products include industrial AC drives; commercial HVAC drives; spindle drives and motors; servo amplifier systems and motion controllers; and low-voltage industrial control switches. The company's products are used in automotive, building automation, chemical and petrochemical, food and beverage, machine tool, material handling, metal forming, packaging, pharmaceutical, solar, plastics and rubber, and textile applications. Yaskawa America's Motoman Robotics Division makes industrial robots that can weld, assemble, cut and handle goods for manufacturers.

Yaskawa America, Inc. employs more than 1,000 people at its headquarters in Waukegan, IL, its manufacturing facilities in Buffalo Grove, IL and Oak Creek, WI, and in offices across the United States. For more information about SigmaLogic, please visit our website at www.yaskawa.com.