

Space Saving and PLC Friendly

New SigmaLogic7 Compact puts full AOI functionality into less cabinet space

Waukegan, Ill. The Drives & Motion Division of Yaskawa America, Inc. introduces the [SigmaLogic7 Compact](#). This new servo amplifier makes it possible to add the exceptional precision and superior performance of a Sigma-7 servo system in machines using Rockwell Automation programmable logic controllers.

SigmaLogic7 Compact builds on the legacy of the SigmaLogic, the first Yaskawa SERVOPACK to include Add On Instructions (AOIs) for the Rockwell ControlLogix and CompactLogix family of programmable logic controllers. This capability makes it possible to send instructions programmed using RSLogix5000 (v17 and above) directly from a PLC to SigmaLogic7 Compact. No other programming software is needed.

In addition, SigmaLogic7 Compact packs all the advanced features of a Sigma-7 amplifier into a smaller package than ever before, conserving space in crowded control cabinets. This brings motion automation users several important advantages:

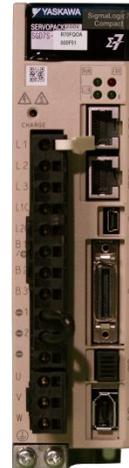
- **Direct replacement** – Sigma-7 products are readily compatible with Sigma-5 servo systems.
- **Performance** - industry-leading 3.1 kHz bandwidth delivers significantly improved settling time.
- **Easy implementation** - a powerful package of tuning functions automatically tunes a servo system without user effort, compensating for machine inertia, vibration, ripples, friction and other artifacts.
- **Reliability** - tuning accuracy is maintained despite inertia changes up to 30:1; the system automatically compensates for interruptions from electrical interference.

These innovations combine to offer machine builders and end users a significant improvement in productivity and a boost in Overall Equipment Effectiveness with less effort and fewer concerns about compatibility.

About Yaskawa

The Drives & Motion Division of Yaskawa America, Inc. manufactures industrial automation equipment. In addition to servo systems and motion controllers, the company's products include industrial AC drives, commercial HVAC drives, spindle drives and motors, and low-voltage industrial control switches.

Yaskawa's products are used in a wide range of industries, including automotive, building automation, chemical and petrochemical, food and beverage, machine tool, material handling, metal forming, packaging, pharmaceutical, solar, plastics and rubber, and textile applications.



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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 SigmaLogic7 Compact, please visit our website at yaskawa.com.