



SCHWEITZER ENGINEERING LABORATORIES, INC.

2350 NE Hopkins Court • Pullman, WA 99163-5603 USA
Phone: +1.509.332.1890 • Fax: +1.509.332.7990
www.selinc.com • info@selinc.com

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For more information, contact:

Krista McKibbin, Advertising Coordinator
Schweitzer Engineering Laboratories, Inc. (SEL)
Phone: +1.509.336.2096
Fax: +1.509.334.8745
Email: krista_mckibbin@selinc.com

SEL Axion® Keeps Automation Under Control With New Analog Outputs and PID Functionality

PULLMAN, WA — June 2, 2014 — Schweitzer Engineering Laboratories, Inc. (SEL) today announced the release of a new analog output module and a proportional-integral-derivative (PID) function block for the SEL-2240 Axion programmable logic controller (PLC) and remote terminal unit (RTU) automation platform.

The new SEL-2245-3 Analog Output Module extends the versatility of the Axion, offering eight user-configurable outputs for advanced, high-accuracy voltage or current signals. As a high-density, highly configurable platform, the Axion allows users to simply select a combination of modules to create a customized solution for each application.



When used in control applications, the analog outputs complement the PID functionality by providing user-settable time constraints, gain control, sample rates, and other settings. The PID function block can be implemented in a variety of applications, such as governor or fuel flow control. It is a standard feature and is available as a firmware upgrade for existing users.

“Combining analog input and output modules with the new tunable PID function block in the flexible IEC 61131-3 programmable logic engine makes it possible to develop sophisticated, reliable closed-loop control systems,” said Dave Whitehead, SEL vice president of R&D. “We’re really excited about the possibilities this presents for applications like generator control or driving legacy analog displays.”

The “brain” of the Axion is the Real-Time Automation Controller (RTAC) module, which provides communications and processing for securely integrating substation intelligent electronic devices (IEDs), SCADA, and distribution automation applications. Additional modules for the Axion offer digital inputs, digital outputs, fast high-current digital outputs, dc analog inputs, ac analog inputs, and now dc analog outputs. With this flexible system architecture and its integrated security, the Axion is designed to meet today’s environmentally challenging monitoring and control application needs.

For more information on module pricing, features, benefits, and applications for the Axion or other members of the RTAC family, visit www.selinc.com/p197.

SEL serves the power industry worldwide through the design, manufacture, supply, and support of products and services for power system protection, monitoring, control, automation, and metering. SEL offers unmatched local technical support, a worldwide, ten-year product warranty, and a commitment to making electric power safer, more reliable, and more economical.

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