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FOR IMMEDIATE RELEASE

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SEL-487E Transformer Protection Relay Now Offers Real-Time Control

PULLMAN, WA — July 27, 2009 — Schweitzer Engineering Laboratories, Inc. (SEL) today announced wide-area-measurement-based control in a transformer relay for the first time. This enhancement to the SEL-487E Transformer Protection Relay allows it to receive IEEE C37.118 synchrophasor messages from up to two phasor measurement units, time-correlate the information, and take control actions based on local and remote messages. Remote angles, currents, and voltages received in the serial synchrophasor message can be combined with local measurements for basic or advanced applications.

“A multirestraint transformer differential relay, such as the SEL-487E, is an ideal platform for synchrophasor-based control,” says Roy Moxley, SEL marketing manager for synchrophasors. “Large generators and transmission stations that frequently use this type of relay can now easily apply remote measurements to control tap changers, regulate generator voltage, and notify operators of system conditions.”

This advanced SEL-487E Relay communications technology allows customers to:

- Trip or start generators based on system load angles.
- Control tap position based on combined values.
- Send alarms based on changing angles.
- Apply SELOGIC® control equations to time-correlated remote measurements.
- Detect system separation to initiate islanding control.



SEL is now accepting orders for the SEL-487E, offering wide-area control at no additional cost to the \$6,750 base price. For more information on features, benefits, and applications, visit www.selinc.com/p99.

SEL serves the electric power industry worldwide through the design, manufacture, supply, and support of products and services for electric power system protection, monitoring, control, automation, data encryption, 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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Making Electric Power Safer, More Reliable, and More Economical®