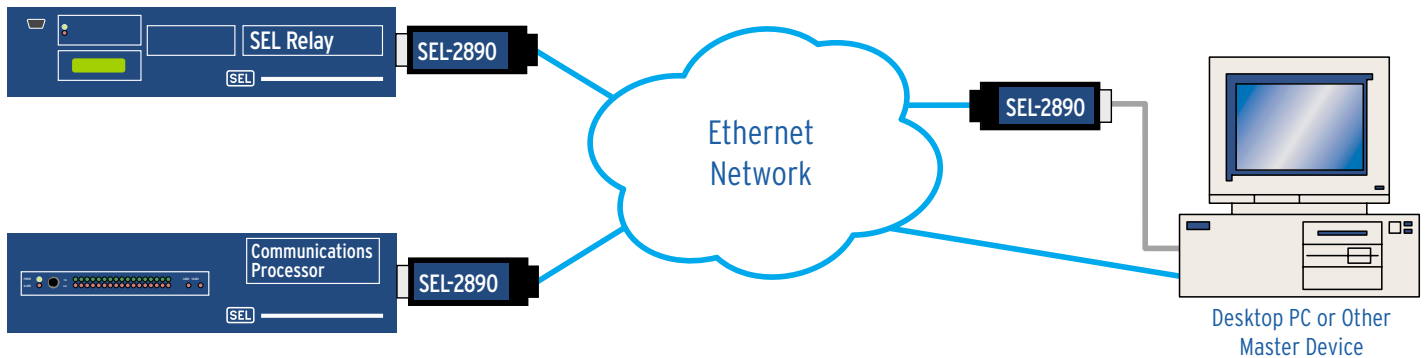




SEL-2890 Ethernet Transceiver

Convert Serial Port Connections for Streamlined Ethernet Access



Use Ethernet infrastructure for direct device communications.



Major Features and Benefits

- **Reduce Telecommunications Operating Costs**
Use SEL-2890 Transceivers and your Ethernet network instead of expensive leased or dial-up connections to reduce monthly operating costs. Connect to a serial port on your PC to operate proprietary device-support software through an Ethernet network without modifying the PC software. Replace a multidrop wired network (e.g., serial Modbus®).
- **Add Remote Access Where Costs Were Prohibitive**
Communicate with sites that have valuable data where leased or dial-up lines were too costly.
- **Streamline Terminal Access to Save Engineering Time**
Use Telnet software for ASCII terminal connections to check the status, read metering data, or to examine history or event records.
- **Simplify Access With Familiar Web Page Interface**
Use familiar Web browser interfaces to easily view information with minimal training. The SEL-2890 Transceiver provides a Web page. Customize the Web page using your browser FTP features.
- **Improve Customer Service Through E-Mail Alerts**
Set the transceiver to send e-mail when power system faults occur, including the fault type and location. Send SEL relay automatic messages to a specified address for quick notification and logging.

Making Electric Power Safer, More Reliable, and More Economical™

SEL-2890

Ethernet Transceiver

Application Summary

Streamline Your Information Access

- Access electrical system information, device status, event reports, and more.
- Use familiar communications tools.
 - PC network interface card
 - Telnet
 - Web page
 - E-mail for automatic alerts

Use Ethernet Instead of Point-to-Point and Multidrop Wire Networks

- Connect SEL-2890 to master device.
- Apply serial tunneling for point-to-point connections.
- Use serial routing for virtual multidrop connections; for example, route a serial Modbus network.

Installation Summary

1. Connect to a PC using the SEL-C642 Configuration Cable.
2. Use a terminal program to enter the transceiver settings.
3. For connecting to an SEL product, set the jumper for the serial port to provide 5 Vdc power. For other devices, use the SEL-C642 Cable or provide 5 Vdc on Pin 1 with a custom cable.
4. Connect the transceiver to the device serial port.
5. If using the SEL-C642 Cable, connect the power supply to an ac power outlet.
6. Attach the Ethernet connector to an Ethernet network.



Use the SEL-C642 Configuration Cable to provide power to the SEL-2890 when used with a PC or other ac-powered device.

Specification Summary

■ Ethernet and Serial Connections

Ethernet	
Connector	RJ-45 Female
Data Rate	10 Mbps
Interface	10BASE-T, IEEE 801-2
Serial	
Connector	DB-9 Male
Data Rate	300 bps to 115,000 bps
Interface	EIA-232 plus Pin 1 power

■ Substation and Plant Grade Equipment

Designed, built, and tested with the same practices, processes, and standards used for SEL protective relays, communications processors, and other products.

Commitment to Quality

Schweitzer Engineering Laboratories, Inc. is committed to quality. Our certification to the ISO 9001 quality standard and our ten-year product warranty are examples of this commitment. We encourage and appreciate your feedback, and we will use this information to continually improve our products and services.



Contact Us

SEL sales representatives are prepared to assist you. Contact your nearest sales representative, application engineer, or customer service representative at (509) 332-1890. Visit our website at www.selinc.com for more information.

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2350 NE Hopkins Court • Pullman, WA 99163-5603 USA
Phone: (509) 332-1890 • Fax: (509) 332-7990 • FaxBack: (509) 334-8293
Internet: www.selinc.com • E-mail: info@selinc.com

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