SEL-2401

Satellite-Synchronized Clock

Accurate time synchronization in distribution control cabinets

- Synchronize recloser controls and other devices with ±100 ns average timing accuracy.
- Use a GPS time source for time output over demodulated IRIG-B.
- Apply the SEL-2401 for reliable operation in harsh conditions and from −40° to +80°C (−40° to +176°F).
- Easily install the SEL-2401 in cabinets with its small form factor and power draw under 2 watts.

Features and Benefits

Reliability

Apply the SEL-2401 in harsh environments, including outdoor control enclosures. The SEL-2401 exceeds IEEE C37.90 and IEC 60255 protective relay standards. It operates accurately from −40° to +80°C (−40° to +176°F).

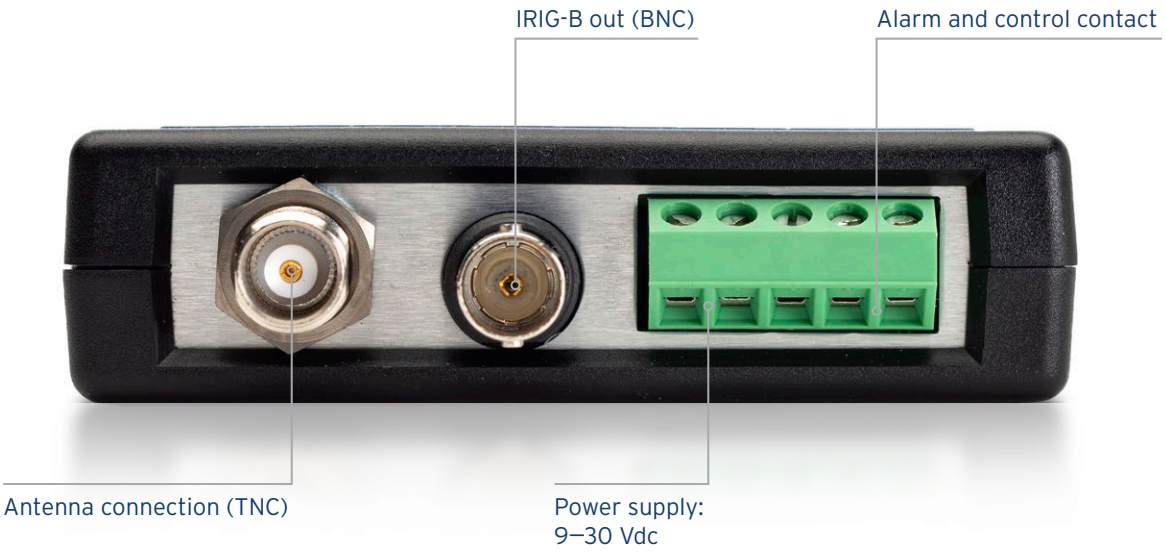
Accuracy

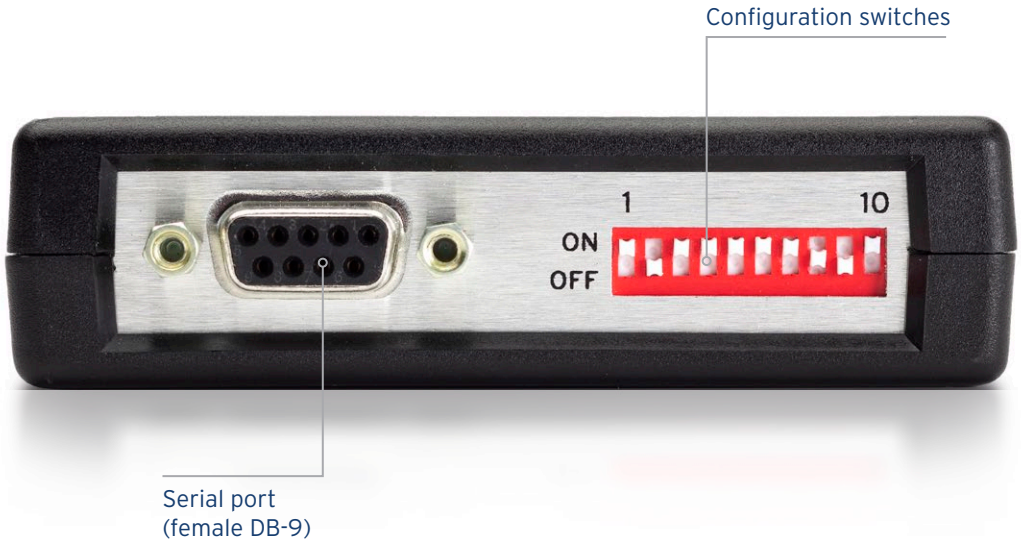
Apply the SEL-2401 for synchrophasors, relay event correlation, and other high-accuracy timing needs. Its demodulated IRIG-B outputs with ±100 ns accuracy will meet existing and future timing needs.

Control Applications

Use the contact output as a precision trigger for time-coordinated testing, event initiation, or other control functions.

Product Overview





SEL-2401 Specifications

General	
Time Ports	EIA-232 serial port One demodulated IRIG-B Typical output: 120 mA, 3.5 Vdc, into 25 Ω
Environmental	−40° to +80°C (−40° to +176°F) IEEE C37.90-compliant IEC 60255-compliant
Alarm Contact	Form A, 0.1 A
Power Supply	9−30 Vdc or regulated 5 Vdc
Accessory Power Supply	SEL-932130X Low-Voltage DC Power Supply 48/125 Vdc or 125 Vac input, 5 Vdc output SEL-932160X Low-Voltage DC Power Supply 125/250 Vdc or Vac input, 5 Vdc output 240-0056 Wall AC to 15-Volt Power Supply 90−264 Vac input, 15 Vdc output
Accuracy	Demodulated IRIG-B: ±100 ns average, ±500 ns peak
Dimensions	25.4 mm H × 93.35 mm W × 121.9 mm D (1.0 in × 3.675 in × 4.8 in)

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