

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 $+80^{\circ}\text{C}$ (-40° to $+176^{\circ}\text{F}$).
- 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 $+80^{\circ}\text{C}$ (-40° to $+176^{\circ}\text{F}$).

Accuracy

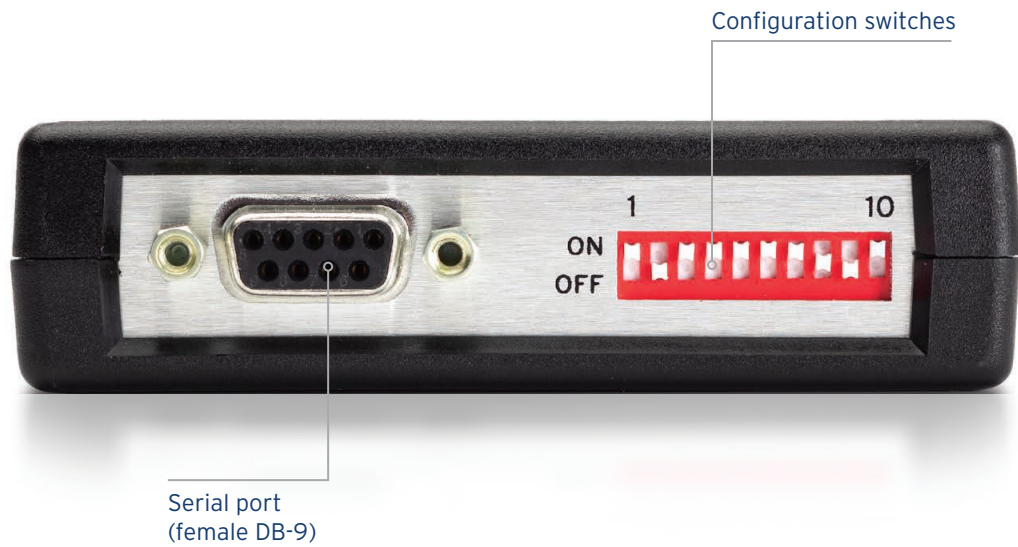
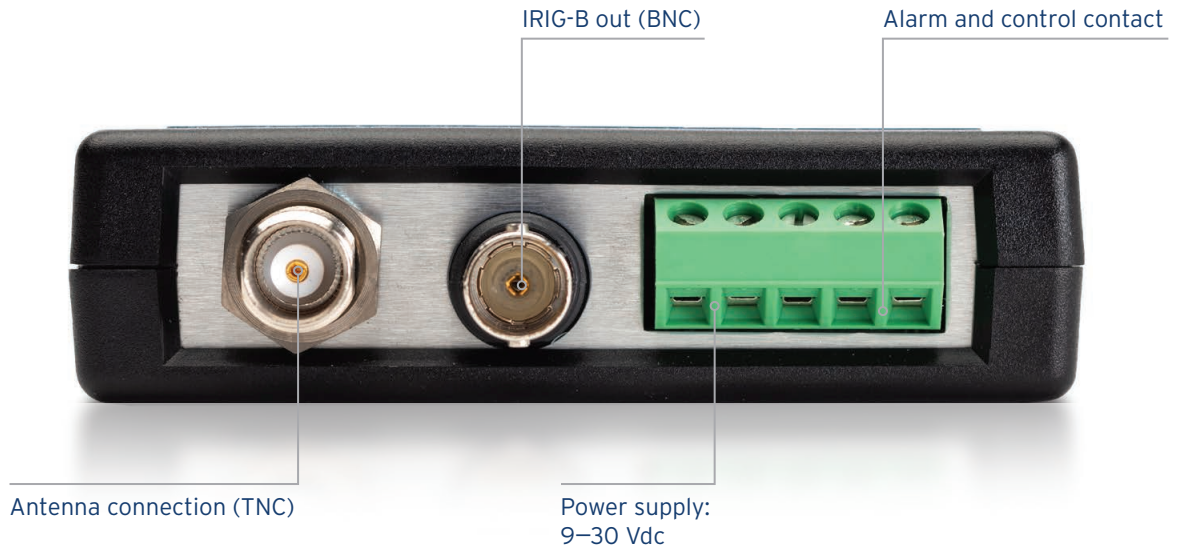
Apply the SEL-2401 for synchrophasors, relay event correlation, and other high-accuracy timing needs. Its demodulated IRIG-B outputs with ± 100 ns accuracy will meet existing and future timing needs.

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, <2 W burden
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 \times 93.35 mm W \times 121.9 mm D (1.0 in \times 3.675 in \times 4.8 in)