

PRECISE TIME FEATURES

PRECISE TIME	SEL-2401	SEL-2404	SEL-2407®	SEL-3400	SEL-3401	SEL ICON®	SEL-2488
APPLICATIONS							
Time Source for Substation	•	•	•	•		•	•
Time Source for Industrial Applications	•	•	•	•		•	•
Time Source for PMU (Synchrophasors IEEE C37.118.1-2011)	•	•	•	•		•	•
Time Source for Recloser	•		•				
Time Source for Line Current Differential Protection	•	•	•	•		•	•
Time Source for Traveling Wave Fault Location	•	•	•	•		•	•
Time-Synchronized Event Reporting	•	•	•	•		•	•
Large-Distance Viewing 200 ft (61 m)		•			•		
TIME SOURCES AND TIME DISTRIBUTION							
Demodulated IRIG-B Outputs (Quantity)	1	1	6	12	4*	1	up to 8
Modulated IRIG-B Outputs (Quantity)			1				up to 4
GPS Satellite Tracking	•	•	•			•	•
GLONASS Satellite Tracking (Reference Only)							•
Demodulated IRIG-B Input				•	•	•	
Synchronized Pulse Output	•	•	•				•
Network Time Protocol (NTP) Server	f		f				•
IEEE 1588 Precision Time Protocol (PTP) Grandmaster (With IEEE C37.238 Power System Profile)							•
Satellite Signal Verification							•
FEATURES							
Large, 76.2 mm (3.0 in) Tall LED Display		•			•		
14 mm (0.56 in) Tall Display			•	•			•
Rack-Mount Hardware	•	•	•	•	•		•
Panel-Mount or Wall-Mount Hardware	•	•	•	•	•		
Universal Power Supply			•	•		•	•
Dual, Redundant, Hot-Swappable Power Supplies						•	•
Power Over Ethernet (PoE)						•	
Power Sourcing Equipment (PSE)							
Secure Web Interface for Configuration							•
Serial Ports for Configuration	•	•	•				
User-Based Accounts						•	•
TCXO Holdover	•	•	•			•	•
OEXO Holdover							+
Cable Delay Compensation for Time Outputs and Antenna				•			•
Meets IEEE C37.90 and IEC 60255 Surge and Environmental Standards	•	•	•	•	•	•	•
ACCURACY							
Average Accuracy (ns)	<100	<100	<100				<40
Peak Accuracy (ns)	<500	<500	<500			<1000	<100

• Standard Feature + Model Option/Accessory
f With SEL-5860 Time Service Software

