

Eaton Sequence of Events Recorder



Features

- Capture change of state to 1 msec precision
- 32 Input 19" Rack Mount (1 RU) and 32 or 48 Input Surface Mount Configurations
- LED Indicator for each input
- IRIG-B and NTP Time sync support
- ModbusTCP Communications
- Web Browser configuration support
- 1RU Rack Mount Enclosure
- Support for redundant field contact power supplies included
- Meets new NERC SER requirements

Product Description

The Eaton® Sequence of Events Recorder is an advanced input status management system that captures changes of state with 1msec precision in the sequence that they occur enabling post mortem root cause analysis. Each unit is time synchronized to GPS or NTP to enable multiple units to act as a single source relative to each other at the Foreseer® level for system wide analysis.

The Eaton SER communicates to the Foreseer family of servers over a TCP/IP Ethernet network utilizing standard ModbusTCP communications. Each unit also stores up to 40,000 events for on board Web browser analysis with filtering and sorting functions.

Standard features include 32 or 48 dry contact inputs dependent on model, dual hot-swappable power supplies to accommodate redundancy or dual feeds, LED indicators for each input, IRIG-B or NTP time synchronization and WEB browser configuration and analysis tools.

Specifications

Inputs	Dry contact inputs using SER supplied 24VDC field contact voltage power supply Each input is optically isolated Contact De-Bounce settings Input terminals – Removable barrier terminal block, 12 ga. maximum wire size.
LED Indicators	Red LED per input Power, Status, Time Sync Green LED for normal, Red LED for abnormal
Time Synchronization	IRIG-B time sync input (modulated or de-modulated) accurate to +/- 1 msec Real Time NTP time sync (via Ethernet, can sync 1-3 IP addresses sources) accuracy based on location of NTP time servers Internal Crystal
Power Requirements – Includes 2 Power Supplies for redundancy or dual feed	AC/DC Power Supply: 85-300 VAC, 50/60 Hz, 24 Watts, optional –100-300 VDC
Dimensions	Surface Mounting: 17.8" x 6.8" x 2.3" 19" Rack Mounting: 1U x 6.8" depth
Environment	-4° to 140°F (-20 to +60°C), 20- 95% non-condensing RH
Ethernet	10/100 Fixed IP
Communications	ModbusTCP Port 520
Certifications	UL, ULC, CE