

L2000 Programmable Logic Controller

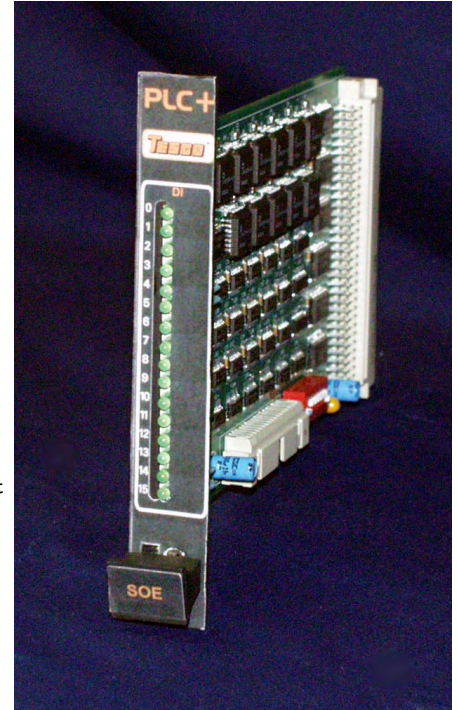
Sequence of Events (SOE) Module

Know your failure shutdown sequence!

The main circuit breaker trips...
The distribution circuit breaker trips...
The automatic transfer switch fails...
The VFD shuts down...
The pump shuts down...

What was the initial failure and "Sequence of Events" to determine the faulty component? Was there a rag stuck in the pump causing an over-temp or over-current? Did the VFD shut down? Was there a faulty circuit breaker? Was the main circuit breaker faulty? Did the automatic transfer switch fault to cause this sequence? Determine the first failure and order of subsequent failures with the SOE card!

The "Sequence of Events" (SOE) card provides an important tool to analyze circuit-breaker trips, pump failures, and other digital event information. The SOE card will accurately reconstruct the order of the events (i.e. the first event and all subsequent events within the designated event window).



- 16 channels of optically isolated digital inputs
 - Isolation Voltage 7.5kV peak
 - 12 VDC internal up to 24 VDC external
- Setpoint configurable SOE clocks
- Setpoint configurable RE-ARM delay
- Automatic archiving and wrapping of all events for later inspection (60,000 events)
- Compact VME 3U Card
- Up to 5000 channels of SOE digital inputs
- Real-time "hard copy" printer event reporting
- Backed by TESCO Controls L2000 complete line of VME PLC+ system cards

The setpoint adjustable clock input can be configured for the following field-event applications:

Setpoint Value	Clock Resolution	Event Window
0	16usec clock	1.05 sec
1	32usec clock	2.1 sec
2	64usec clock	4.2 sec
3	128usec clock	8.4 sec
4	256usec clock	16.8 sec
5	512usec clock	33.6 sec
6	1.02msec clock	67.2 sec
7	2.05msec clock	134.3 sec

The SOE card can be configured for up to 100nSec clock for an event window of 6.55msec.

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