# SSM-LE Series

## SSM-6LE AND SSM-12LE SERIES

### ENHANCED NEMA SIGNAL MONITOR

EDI continues to set the industry standard and provide traffic signal professionals with reliable, high quality mission critical component products that improve the performance and lifecycle of traffic control systems.

Providing the signal technician with powerful monitoring and trouble-shooting tools helps ensure that cabinet malfunctions are detected, diagnosed, and repaired with confidence. The Full Intersection LCD display and event log recording capabilities present the signal technician with detailed and accurate information regarding cabinet operation. True RMS voltage sensing makes the SSM-LE series the most reliable signal monitor available at any cost.

The SSM-LE series signal monitor includes both six channel (SSM-6LE) and twelve channel (SSM-12LE) configurations.

**SSM-6LE**　　**SSM-12LE**

## SSM-LE ENHANCED FEATURES

**NEMA TS1 Standard:** The SSM-LE series meets all specifications of NEMA Standard TS-1 1989 R2000, Part 6. Basic fault coverage includes Conflict, Red Fail, CVM, 24V-I and 24V-II.
- Dual Indication Monitoring detects simultaneous active signals on a channel.
- Clearance Monitoring assures proper sequencing of signals and a minimum yellow clearance interval.
- AC Line Monitoring responds to low AC Line voltages as well as interruptions.

**Full Intersection & Status Display:** High contrast, large area Liquid Crystal Displays (LCD) show full intersection status with an active Red, Yellow, Green, and Walk indicator for each channel. Separate indicators identify channels involved in the fault.

**Event Logging:** The SSM-LE series maintains a nonvolatile event log recording the complete intersection status as well as previous fault events, AC Line events, configuration changes, monitor resets, cabinet temperature and true RMS voltages for all AC inputs. A real time clock time stamps each log event with time and date.

**Signal Sequence:** The Signal Sequence History Log stored in nonvolatile memory graphically displays up to 30 seconds of signal status prior to the fault trigger event with 50ms resolution to ease diagnosing of intermittent and transient faults.

**EDI RMS-ENGINE™:** A DSP coprocessor converts ac input measurements to True RMS voltages, virtually eliminating false sensing due to changes in frequency, phase, or sine wave distortion.

**Configuration Options:** Front panel options include GY Dual indication, +24V and CVM Latching, Red Fail Walk Disable, External Watchdog input, and CVM Log Disable.

**ECcom™ PC Software:** Access by a computer is provided by EDI *ECcom™* Windows based software for status, event log review and archival, using the standard EIA-232 front panel port.