

SSM-LEC Series

SSM-6LEC AND SSM-12LEC SERIES

ENHANCED NEMA SIGNAL MONITOR



SSM-6LEC

SSM-12LEC

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-LEC series the most reliable signal monitor available at any cost.

Model Options:

- SSM-6LEC 6 channel capability with EIA-232 Port
- SSM-12LEC 12 channel capability with EIA-232 Port

SSM-LEC ENHANCED FEATURES

NEMA TS1 Standard: The SSM-LEC 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-LEC 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 five Signal Sequence History Logs stored in nonvolatile memory graphically display up to 30 seconds of signal status prior to each 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, LEDguard, +24V and CVM Latching, Red Fail Walk Disable, External Watchdog input, CVM Log Disable, and FYA Mode.

Communications to PC or Remote Traffic Management Center: An EIA-232 port provides access by a local PC or remote TMC running ECcom Windows based software for status, event log review, and archival. The SSM-LEC series monitor will also upload status and fault events to the Siemens EPAC Controller Unit. Consult the factory for details.

Flashing Yellow Arrow PPLT: The SSM-LEC series supports MUTCD Flashing Yellow Arrow PPLT operation with two different modes for TS-1 cabinet configurations.

LEDguard®: This EDI innovative signal thresholding technique can be used to increase the level of monitoring protection when using LED based signal heads.

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