NSM-E

ENHANCED NEMA SIGNAL MONITOR

INTRODUCING A NEW STANDARD OF SAFETY
AND DIAGNOSTIC CAPABILITIES

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 a full intersection display and powerful monitoring and trouble-shooting tools helps ensure that cabinet malfunctions are detected, diagnosed, and repaired with confidence. True RMS voltage sensing makes the NSM-E series the most reliable signal monitor available.

Model Options:

NSM-6E	6 channel capability with EIA-232 Port
NSM-12E	12 channel capability with EIA-232 Port

(Note that the NSM-E series replaces both the SSM-E and NSM series products.)

NSM-E ENHANCED FEATURES

NEMA TS1 Standard: The NSM-E series meets all specifications of NEMA Standard TS-1 1989 R2000, Part 6. Basic TS-1 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 Display: The Full Intersection Display uses Red, Yellow, Green, and Blue LEDs to show active colors of all channel inputs simultaneously for both real-time intersection status and latched fault status.

Event Logging: A time-stamped nonvolatile event log records the complete intersection status as well as AC Line events, configuration changes, monitor resets, temperature and true RMS voltages.

Signal Sequence History Logs: The five Signal Sequence History logs stored in nonvolatile memory graphically display up to 30 seconds of signal status prior to each fault event.

Dual Indication Monitoring: Detects simultaneous active Green and Yellow, Green and Red, or Yellow and Red inputs on the same channel.

Clearance Monitoring: Detects a short yellow or skipped yellow clearance interval.

Configuration Options: Front panel options include GY Dual Indication, LEDguard, +24V and CVM Latching, Walk Disable, External Watchdog input, CVM Log Disable.

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

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.

ECcom™ PC Software: Access to the NSM-E data is provided by the industry standard EDI ECcom™ Windows based software for status, event log retrieval, configuration, and data archival.

EBERLE DESIGN INC.

3819 East La Salle Street
Phoenix, AZ 85040 USA
www.EDItraffic.com

Tel (480) 968-6407
Fax (602) 437-1996

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