



NSM-E Series

NEMA STANDARD MONITOR ENHANCED SERIES

Provides technicians with full intersection display and powerful monitoring and trouble-shooting tools to ensure cabinet malfunctions are detected, diagnosed, and repaired with confidence.

FEATURES

- NEMA TS1 Standard
- Full Intersection Display
- Dual Indication Monitoring
- Clearance Monitoring
- Configuration Options

HIGHLIGHTS

- LEDguard®
- EDI RMS-Engine
- Event Logging (NSM-6E & 12E Models)
- Signal Sequence History Logs (NSM-6E & 12E Models)
- Data Access Provided By ECcom Software (NSM-6E & 12E Models)



NEMA CABINET COMPATIBLE

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

On NSM-6E and NSM-12E models, 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

On NSM-6E and NSM-12E models, 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 function 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

On NSM-6E and NSM-12E models, 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.

Model Options

Model	Channel Capacity	Ports
NSM-3E	3	None
NSM-6E	6	EIA-232
NSM-12E	12	EIA-232