



SSM-LE SERIES

Enhanced NEMA Signal Monitor Unit

A NEW STANDARD OF SAFETY AND DIAGNOSTIC CAPABILITIES

Providing the signal technician with powerful monitoring and trouble-shooting tools helps assure 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. New True RMS voltage sensing capabilities make 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-LE OPERATIONAL FEATURES

- Enhanced Monitoring Functions:** The SSM-LE series meets all specifications of NEMA Standard TS1-1994, 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 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.
- CU Communication:** The SSM-LE model will upload to a Controller Unit for remote interrogation. Consult the factory for availability.

EBERLE DESIGN INC.

3819 E. La Salle Street Phoenix, AZ 85040 USA
 tel +1-480-968-6407 www.editraffic.com

