Complies With The New NEMA MMU2 Standard and MUTCD Requirements

SmartMonitor

MMU2-16LE SERIES
NEMA LCD MALFUNCTION MANAGEMENT UNIT

- **MMU2-16LEip** with Ethernet Port
- **MMU2-16LE** with EIA-232 Port

Whether you're a <u>NOVICE</u> or <u>EXPERT</u> Signal Technician, wouldn't it be great if you could:

❑ Use a built-in SETUP WIZARD to *quickly and accurately configure* the Signal Monitor to the exact requirements of the cabinet and intersection?

❑ Use a MENU DRIVEN LCD interface to *view* vital cabinet operational details such as field signal voltages, historical event logs, and monitor configuration data?

❑ Use a built-in DIAGNOSTIC WIZARD to *automatically diagnose* cabinet malfunctions and *pinpoint* faulty signals?

If your answer is Yes, the MMU2-16LE *SmartMonitor*® is for YOU!

NEW MMU2-16LE *SmartMonitor*® ENHANCED FEATURES

NEMA TS2-2016 Standard:	The MMU2-16LE *SmartMonitor*® meets all specifications of the NEMA Standard TS2-2003 (R2008) for the MMU2 configuration while maintaining compatibility with NEMA TS1-1989 Assemblies.
NEMA Standard Flashing Yellow Arrow PPLT:	The MMU2-16LE *SmartMonitor*® supports MUTCD Flashing Yellow Arrow PPLT operation and meets / exceeds the NEMA Standard MMU2 requirements of TS2-2016 FYA, providing modes for both TS-2 or TS-1 cabinet configurations.
Standardized Communications:	Real-time SDLC communications with the Controller Unit exchanges field input status, Controller Unit output status, fault status, MMU programming, and time and date.
Full Intersection & Status Display:	Two high contrast, large area Liquid Crystal Displays (LCD) continuously show full RYG(W) intersection status. A separate graphic LCD provides a menu driven user interface to status, signal voltages, configuration, event logs, and the Help system.
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.
Setup Wizard:	Use the built-in Setup Wizard to configure the Nema Enhanced settings of the *SmartMonitor*® by answering a short series of questions regarding intersection design and operation.
Diagnostic Wizard: and Help System	The Diagnostic Wizard *automatically pinpoints* faulty signals and offers trouble-shooting guidance. The integrated Help System provides context sensitive operational assistance.
TS-1 Type 12 with SDLC Mode:	The MMU2-16LE *SmartMonitor*® can be configured to operate with the Port 1 SDLC function and Diagnostic Wizard enabled in a TS-1 twelve channel cabinet with no cabinet wiring changes.
Program Card Memory:	Enhanced settings of the MMU2-16LE *SmartMonitor*® are stored in nonvolatile memory on the EDI Program Card. Moving the Program Card to another MMU2-16LE automatically transfers all settings.
Signal Sequence History Log:	The five Signal Sequence History logs stored in nonvolatile memory graphically display up to 30 seconds of signal status prior to each fault event.
LEDguard®:	This EDI innovative signal threshold 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 MMU2-16LE data is provided by the industry standard EDI ECcom Windows based software for status, event log retrieval, configuration, and data archival.