

**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 **NOVICE** or **EXPERT** 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

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| NEMA TS2-2003 (R2008) Standard Including Amendment #4: | The MMU2-16LE <i>SmartMonitor®</i> 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 <i>SmartMonitor®</i> supports MUTCD Flashing Yellow Arrow PPLT operation and meets / exceeds the NEMA Standard MMU2 requirements of TS-2 Amendment #4-2012, 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 <i>SmartMonitor®</i> by answering a short series of questions regarding intersection design and operation. |
| Diagnostic Wizard and Help System | The Diagnostic Wizard <i>automatically pinpoints</i> 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 <i>SmartMonitor®</i> 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 <i>SmartMonitor®</i> 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. |

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