



### *NEMA TS2-2003 (R2008) Standard Including Amendment #4*

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*

Standard MMU2 requirements of TS-2 Amendment #4-2012, providing modes for both TS-2 or TS-1 cabinet configurations.

### *ECcom PC Software*

Access to the MMU2-16LE data is provided by the industry standard ECcom Windows based software for status, event, log retrieval, configuration, and data archival, event logs, and the Help system.

### *RMS Engine*

A DSP coprocessor converts AC input measurements to True RMS voltages, virtually false sentencing due to changes in frequency, phase, or sine wave distortion.

### *LEDguard®*

This innovative signal threshold technique can be used to increase the level of monitoring protection when using LED based signal heads.

### *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.

### *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 & Help System*

The diagnostic wizard automatically pinpoints faulty signals and offers trouble-shooting guidance. The integrated help system provides context sensitive operational assistance.

### *Full Intersection & Status Display*

Two high contrast, large area 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.

### *Program Card Memory*

Enhanced settings of the MMU2-16LE SmartMonitor are stored in nonvolatile memory on the program card. Moving the program card to another MMU2-16LE automatically transfers all settings.

## Module Choices

- MMU2-16LEip SmartMonitor 12/16 channel LCD Series with Ethernet Port
- MMU2-16LE SmartMonitor 12/16 channel LCD Series with EIA-232 Port



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