

MMU-16LE SmartMonitor Enhanced Functions

- The *MMU-16LE SmartMonitor* meets all specifications of the Nema Standard TS2-2003 while maintaining downward compatibility with existing Nema TS1-1989 Traffic Control Assemblies.
- Real-time SDLC communications with the Controller Unit exchanges field input status, Controller Unit output status, fault status, MMU programming, and time and date.
- 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.
- 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.
- 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.
- The Diagnostic Wizard automatically pinpoints faulty signals and offers trouble-shooting guidance. The integrated Help System provides context sensitive operational assistance.
- The *MMU-16LE* 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.
- Enhanced settings of the *MMU-16LE* are stored in nonvolatile memory on the EDI Program Card. Moving the Program Card to another *MMU-16LE* automatically transfers all settings.
- The five Signal Sequence History logs stored in nonvolatile memory graphically display up to 30 seconds of signal status prior to each fault event.
- Innovative signal thresholding technique can be used to increase the level of monitoring protection when using LED-based signal heads.
- 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.
- Access to the *MMU-16LE* data is provided by the industry standard EDI ECom Windows-based software for status, event log retrieval, configuration, and data archival.
- The *SmartMonitor* supports MUTCD Flashing Yellow Arrow PPLT operation with two different modes for either TS-2 or TS-1 cabinet configurations.

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