MMU-16LE

LCD Malfunction Management Unit

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 MMU-16LE *SmartMonitor*™, is for YOU!

MMU-16LE STANDARD TS-2 FEATURES

Nema TS2-2003 Standard	The MMU-16LE meets or exceeds all specifications of the Nema Standard TS2-2003 while maintaining downward compatibility with existing Nema TS1-1989 Traffic Control Assemblies.
Standardized Communications:	Type 16 real-time SDLC communications with the Controller Unit exchanges field input status, Controller Unit output status, fault status, MMU programming, and time and date, along with a watchdog function for Port 1 activity.

MMU-16LE ENHANCED FEATURES

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:	The MMU-16LE maintains a nonvolatile event log recording the complete intersection status as well as AC Line events, configuration changes, monitor resets, cabinet temperature and true RMS voltages. A real time clock time stamps each log event with time and date.
Setup Wizard:	Use the built-in Setup Wizard to configure the Nema Enhanced settings of the MMU-16LE by answering a short series of questions regarding intersection design and operation.
Diagnostic Wizard:	In the TS-2 Type 16 fault mode, the wizard automatically pinpoints faulty signals and offers trouble-shooting guidance.
Help System:	The integrated Help System provides context sensitive operational assistance.
Program Card Memory:	All Nema Enhanced settings of the MMU-16LE are shadowed in nonvolatile memory located on the EDI Program Card. Moving the Program Card to another MMU-16LE automatically transfers all settings.
Signal Sequence History Log:	The Signal Sequence History logs stored in nonvolatile memory graphically display up to 30 seconds of signal status prior to each fault event. The resulting display eases diagnosing of intermittent and transient faults by viewing the exact signal states that the monitor sensed.
LEDguard™:	This EDI innovative signal thresholding 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 MMU-16LE by PC is provided by the industry standard EDI ECcom Windows based software for status, event log retrieval, configuration, and data archival.

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