MMU2-16LEip- RM SmartMonitor™

▹ ▹ The MMU2-16LEip-RM SmartMonitor® series Malfunction Management Unit (MMU) exceeds all the requirements set forth in the NEMA Standard TS2-2003 (R2008).

About the MMU2-16LEip-RM

The MMU2-16LEip-RM series includes two large area Liquid Crystal Displays (LCD) for a continuous Full Intersection display. A separate graphical LCD provides a menu driven interface to status, signal voltages, configuration, event logs, and the integrated context sensitive Help System.

The built-in Setup Wizard ensures that the enhanced monitor programming is done quickly and accurately, even by a novice. The industry first patented Diagnostic Wizard automatically pinpoints malfunctioning signals and offers trouble shooting advice.

An Ethernet or EIA-232 port is used to communicate with a Personal Computer or Traffic Management Center using field proven EDI ECcom software.

At A Glance

- A key component for safer traffic control
- The MMU-16LEip model replaces the standard EIA-232 port with a 10/100 Mbps Ethernet port for remote communications with a Traffic Management Center
- Meets the new MMU2 Standard and MUTCD requirements for operation and environmental.
- Full intersection LCD back-lighted signal display
- Built-in Set up Wizard automatically configures enhanced parameters

Safetran®

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

The MMU2-16LEip-RM SmartMonitor meets all specifications of the NEMA Standard TS2-2003 (R2008) for the MMU2 operation and environmental.

NEMA Standard Flashing Yellow Arrow PPLT

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

ECcom PC Software

Access to the MMU2-16LEip-RM 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.

Module Choices

- MMU2-16LEip-RM SmartMonitor 16 channel LCD Series with Ethernet Port

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

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