MMU2-16LE

MALFUNCTION MANAGEMENT UNIT
FOR NEMA CABINETS

Use the built-in Setup Wizard to quickly and accurately configure the SmartMonitor® to the exact requirements of the cabinet and intersection.

FEATURES

- NEMA TS2-2016 Standard
- Setup Wizard
- Diagnostic Wizard and Help System
- Standardized Communications
- Program Card Memory
- 16 Channels

HIGHLIGHTS

Simple setup: Complete configuration by answering just 3 guided questions.

Smart configuration memory: Save a completed configuration as a file and transfer it to other monitors.

Actionable diagnostics: Guided troubleshooting with recommended resolutions.

MEETS MUTCD STANDARDS

BUILD AMERICA, BUY AMERICA COMPLIANT

ISO 9001 CERTIFIED

2 YEAR LIMITED WARRANTY

NEMA CABINET COMPATIBLE

NEMA TS2-2016 Standard

The MMU2-16LE SmartMonitor® meets all specifications of the NEMA Standard TS2-2016 for the MMU2 configuration while maintaining compatibility with NEMA TS1-1989 Assemblies.

NEMA Standard Flashing Yellow Arrow PPLT

The MMU2-16LE SmartMonitor® supports MUTCD Flashing Yellow Arrow PPLT operation and meets / exceeds the NEMA Standard MMU2 requirements of TS2-2016 FYA, 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.

Field Check Monitor

The MMU2-16LE analyzes the controller output commands and field input status to isolate whether the cabinet fault was caused by a controller malfunction or a failure in the load bay or field wiring, and identifies the faulty channel and input directly.

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 and Help System

The Diagnostic Wizard automatically pinpoints faulty signals and offers trouble-shooting guidance. The integrated Help System provides context sensitive operational assistance.

TS-1 Type 12 with SDLC Mode

MMU2-16LE SmartMonitor® monitors 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 SmartMonitor® 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.