Complies With The New NEMA MMU2 Standard and MUTCD Requirements

SmartMonitor

MMU2-16LEXIP SERIES

NEMA LCD MALFUNCTION MANAGEMENT UNIT

The MMU2-16LEXip utilizes four TS-1 Walk spare inputs of the MMU when in the TS-2 Type 16 mode to provide additional monitoring of up to 20 load switches. In this mode the MMU can monitor 16 channels of Red, Yellow and Green, plus an additional four Pedestrian Walk inputs associated with channels 2, 4, 6, and 8. For these four Walk inputs (2W, 4W, 6W, 8W) no monitoring is done of the Don't Walk signals (TS-1 style).

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
	W		W		W		W								

NEW MMU2-16LEX *SmartMonitor*® ENHANCED FEATURES

NEMA TS2-2016 Standard: The MMU2-16LEX *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 MMU2-16LEX *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.

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: The MMU2-16LEX *SmartMonitor*® 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 *SmartMonitor*® are stored in nonvolatile memory on the EDI Program Card. Moving the Program Card to another *SmartMonitor*® 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 MMU2-16LEX data is provided by the industry standard EDI ECcom Windows based software for status, event log retrieval, configuration, and data archival.

EBERLE DESIGN INC.
3510 East Atlanta Avenue
Phoenix, AZ 85040 USA
www.EDItraffic.com
Tel (480) 968-6407
Fax (602) 437-1996