

FEATURES & CAPABILITIES

The Malfunction Management Unit (MMU) 516E monitors up to 16 traffic signal channels for conflict, improper sequencing, incorrect timing, and improper signal voltage levels. The MMU 516E is fully compliant with NEMA Standard TS2-2003. The MMU 516E is also capable of operating in older TS1 type cabinets, and is compatible with 12-channel Conflict Monitor Units conforming to the NEMA Standard TS1-1989.

- High speed internal data transfer and communications via an SDLC port
- High speed external data transfer via an optional RS-232 port
- Programmable field parameters with two position pencil switches
- LED indicator lamps for operation analysis
- Removable program card
- High performance machine tooled sockets for integrated circuit mounting
- Meets & exceeds NEMA TS2 specifications

SPECIFICATIONS

PROGRAMMING

Minimum flash; 0-12 seconds
Short yellow per channel
Programmable sequence monitor

INDICATION

Conflict LED
Red Fail LED
24 V-1
24 V-2
Controller Voltage Monitor
Red+Yel Clearance
Clearance
Diagnostics
Port 1 Fault, Tx, Rx
Program Card Ajar
Indication Fail LED
Field Check
Power LED
Type 12 Mode

ENVIRONMENTAL

Temperature: -30° F to 74° C
Humidity: <95%

DIMENSIONS

10.5" X 4.5" X 10.9"

POWER

Line Voltage: 75 to 140 VAC, RMS
Line Frequency: 57 to 63 Hz, 60Hz nominal
Power Consumption: 10 watts, typical
Fuse, Front Panel: 0.5A

MONITORING VOLTAGE

Pickup: 96 +/- 2.5 Volts AC, RMS
Dropout: 91 +/- 2.5 Volts AC, RMS
Hysteresis: 4 +/- 1.0 Volts AC, RMS

