

PEEK DOUBLE DIAMOND

NEMA MMU and Conflict Monitor

Traffic Control and Safety

Peek Traffic sets the new standard for NEMA Conflict Voltage Monitors and NEMA Malfunction Management Units with the Peek Double Diamond Series Monitors. The Peek Double Diamond Monitors are the traffic industry's first monitors that can operate with both TS1/TS2 compatibility cards.

The Peek Double Diamond Series Monitors offer an improved and larger display for the dynamic status display of each input on each channel.

Features

- Exceeds both NEMA TS1-1989 functional and environmental requirements for a conflict monitor and NEMA TS2-2003 functional and environmental requirements for an MMU
- Accepts both TS1 and TS2 compatibility cards and recognizes which type is which - an industry first
- Records high and low voltage conditions - an industry first
- Voltage measurement and display of all signal indicators for each channel and color input for TS1/TS2
- Backlit 4 x 20 Super twist LCD display with adjustable contrast
- Event log - providing time, date, and event type, plus a replay of the screens prior to any fault
- User-friendly, menu-driven 12-key data entry system has tactile and audible feedback, eliminating the need for cumbersome dip switches
- Front panel EIA-232 port, for printing the event log and all user settings and program card jumpers
- The large keyboard reduces menu steps and complexity in the data entry system and eliminates the clutter and confusion of multiple dip switches. Password protection is provided to prevent unauthorized changes to the event logs or user settings.



Additional Features

- 12 channel NEMA TS-1 and 16 channel NEMA TS-2
- Compatible with both NEMA TS-1 and TS-2 Standard compatibility programming cards
- Viewing of Port 1 RS-485 R-Y-G status in addition to field status of R-Y-G AC inputs
- Dedicated RESET button for simplicity
- Power failure counter logs up to 254 failures and can be reset by the user
- Selectable watchdog input for detecting malfunctioning controller Flash Logic
- Selectable latch options for CVM and 24 volt faults
- Enhanced absence monitoring allows absence detection with Walk input
- Enhanced channel monitoring permits selectable color fault combinations
- Enhanced signal sequence monitoring feature is compatible with all NEMA controllers
- Individual channel absence timers
- DC Red-Enable-Defeat input increases monitoring flexibility
- DC input for remote flash command
- Non-volatile retention of fault status and logs; displays all channels and colors when power is restored
- Multiple status bits for remote monitoring
- Special compatibility for LSM/LNM status bits

Event Logging & Reporting

- Logs 300 events including reset
- Voltage log records outside of users thresholds
- Replay mode allows a user to view the last twenty G-Y-R displays prior to a fault
- Real-time clock provides time and date stamp in each event to nearest second
- Security feature prevents unauthorized log erasure
- Keyboard options allow separate printing of event log and unit settings
- Logs complete channel status at time of fault
- Accepts remote commands to clear power failure counter, erase event log and set time for local clock

Specifications

Property	Description
Operating temperature	-30°F to + 165°F (-34°C to + 74°C)
Humidity	0 - 95% non-condensing
Environmental standards	Meets NEMA environmental standards
Compatibility	NEMA TS-1 12 channel or NEMA TS-2 16 channel
Power	89 to 135V AC, 60Hz
Dimension	10.8"H x 8.6"D (227 x 220mm)
Weight	4.8lbs. (2.2kg)



A Signal Group Company

Peek Traffic Corporation

2906 Corporate Way, Palmetto, FL 34221

Phone: (941) 845-1200 • Fax: (941) 365-0837

