

SG-1000

NEMA MMU2 and Conflict Monitor



Overview

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 Series Monitors offer an improved display for the dynamic status display of each input on each channel.



Features

- Supports Flashing Yellow Arrow per ammendment 4 of NEMA TS2-2003
- Exceeds both NEMA TS1-1989 functional and environmental requirements for a conflict monitor and NEMA TS2-2003 for functional and environmental requirements for an MMU. USB port is an industry 1st.
- The large keyboard reduces menu steps and complexity in the data entry system and eliminates the clutter and confusion of multiple dip switches.
- Records high and low voltage conditions. Initially brought in Double Diamond, continued in SG-1000
- Voltage measurement and display of all signal indicators for each channel and color input for TS1/TS2
- 4 x 20 yellow OLED - fully operational over temperature without the need for backlight or contrast control
- Event log - downloadable to USB flash drive or to PC through USB device port or optional serial/Ethernet port
- User-friendly, menu-driven 16-key data entry system has tactile and audible feedback, eliminating the need for cumbersome dip switches
- Front panel USB device port, optional EIA232 or ethernet, for printing the event log and all user settings and program card jumpers



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Specifications

Power		220V option:
Requirements	89 to 135V AC, 50/60Hz	195 to 265 V AC, 50/60 Hz
Humidity	0 - 95% non-condensing	
Environment	Meets NEMA environmental standards	
Compatibility	NEMA TS-1 12 channel or NEMA TS-2 16 channel	
Operating Temperature	-30°F to + 165°F(-40°C to + 80°C)	

Event logging and Recording

- Logs 200 events including reset
- Voltage log records outside of users thresholds
- Replay mode allows a user to view the last twenty GYR displays prior to a fault
- Real-time clock provides time and date stamp in each event to nearest second
- Logs complete channel status at time of fault
- Keyboard options allow separate printing of event log and unit settings
- Accepts remote commands to clear power failure counter, erase event log and set time for local clock

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 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 input for remote flash command
- Non-volatile retention of fault status and logs; displays all channels and colors when power is restored



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