



SG-1000 NEMA MMU2 and Conflict Monitor

Oriux sets the new standard for NEMA Conflict Voltage Monitors and NEMA Malfunction Management Units with the Oriux SG-1000 Series Monitors.

The Oriux SG-1000 Series Monitors offer an improved display for the dynamic status display of each input on each channel.

- 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 jumper

The evolution of **PEEK**

Transportation Solutions & Lighting, Inc. - 980 North Federal Highway, Suite 110 Boca Raton, FL 33432

Features & Benefits

CORIUX Experts in Mobility

Specifications

| Power | 89 to 135V AC, 50/60Hz |
|--------------------------|---|
| Requirements | 220V option: 89 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 | -40°F to 176°F (-40°C to 80°C) |

| Event Logging & 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 |

| 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 |

- 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

Transportation Solutions & Lighting, Inc. 980 North Federal Highway, Suite 110 Boca Raton, FL 33432 - 800-216-4044 sales@tsandl.us - www.tsandl.us About Oriux – covers a broad range of quality turnkey traffic control products and services. Oriux products have helped to make motorists around the world safer and their travels more pleasant and efficient. This expertise, experience, and breadth of product lines has made Oriux one of the most respected and recognized leaders in the traffic control marketplace. The information contained in this publication is presented for informational purposes only, and while every effort has been made to ensure its accuracy, the information is not to be construed as warranty or guarantee, express or implied, regarding the products or services described herein or their use or applicability. No license is granted by implication or otherwise to any of Oriux's intellectual property. Oriux reserves the right to alter or revise any of its products or published technical data related thereof at any time without notice. ©2021 Oriux.