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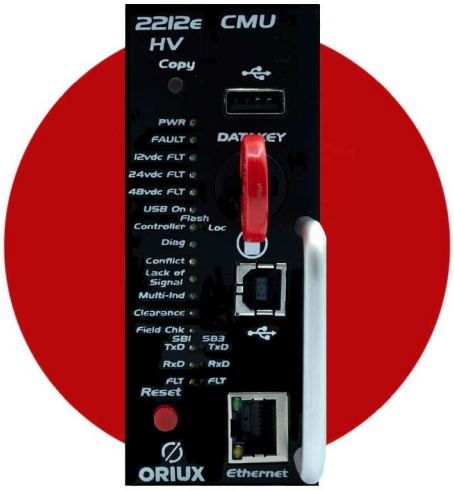
# CMU-2212 Cabinet Monitor Unit

## ATC Traffic Equipment and Software

The CMU-2212 Cabinet Monitor Unit provides comprehensive monitoring and fault protection for modern ATC traffic control cabinets. It continuously evaluates critical cabinet conditions to detect improper signal operation, conflicting indications, power problems, and other potentially unsafe conditions. When a qualifying fault occurs, the unit initiates the appropriate failed-state action to place the cabinet into flashing operation.

Supporting up to 32 physical load switch channels, the CMU-2212 monitors Red/Don't Walk, Yellow, and Green/Walk inputs while evaluating voltage and load-current information. This detailed monitoring helps identify a wide range of cabinet and field-related faults. When populated with 14 or less HDSPs, up to four additional virtual channels can also be configured for applicable cabinet applications.

Advanced communications and diagnostic capabilities make the CMU-2212 a valuable troubleshooting tool for traffic personnel. Real-time operating data, fault status, field voltages, load-current status, cabinet temperature, and historical event information are available through the unit's Ethernet interface. Detailed diagnostic information helps technicians isolate problems faster and restore proper intersection operation with greater confidence.




## Features & Benefits

Advanced signal analysis compares commanded controller outputs with actual field-signal conditions, helping determine both the source and cause of the cabinet fault. This additional diagnostic information can significantly simplify troubleshooting.
features.

The CMU continuously scans for improper/conflicting signals and improper operating voltages/ currents which may be caused by malfunctions of the controller, high-density load switch packs (HDSPs), high-density flasher units (HDFUs), serial interface units (SIUs) or cabinet mis-wiring. This provides an additional level of protection against difficult-to-diagnose signal problems.

Nonvolatile event logging records intersection conditions and previous fault events, which can be viewed remotely or copied to a USB drive. This provides maintenance personnel with valuable historical information for diagnosing intermittent and temporary faults.

# CMU-2212 Specifications




- **Dimensions**: 1.12" W x 4.5" H x 6.5" D (2.84 cm x 11.43 cm x 16.51 cm)
- **Weight**: 11 ounces (0.3 kg)
- **Operating Voltage Range**: 80 to 135 VAC at 60Hz ± 3 Hz
- **Power Usage:** 10 Watts Max
- **Operating Environmental Range**: -29°F to +165°F (-34°C to +74°C) and relative humidity from 0 to 95%

**Up to 32 Physical Channels** — Monitors as many as 32 three-input load switch channels, with support for four additional virtual channels when populated with 14 or less HDSPs in applicable configurations.

**High-Speed Field Monitoring** — Constantly polls connected HDSP devices for voltage and load-current data in a matter of milliseconds. Channels are identified and mapped, and the retrieved information is then analyzed to determine fault conditions.

**Comprehensive Signal Monitoring** — Detects conflicting channels, lack of signal, multiple indications, clearance problems, and other monitored cabinet faults.

**Flashing Yellow Arrow Support** — Provides protected-permissive FYA monitoring and supports up to eight FYA approaches with the applicable firmware and configuration.

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**Oriux Traffic Control** – With its array of advanced traffic control (ATC) equipment and software, Oriux is an industry leader in intersection control products, with over 40 years of experience and product innovation in the field.

The Oriux line-up includes the ATC-1000, ATC-1500, ATC-2000, C5000, SG-1000 MMU2, GREENWave software and Oriux's revolutionary web-based traffic management system, Spinnaker ATMS.

For traffic control products, Oriux has all you need.



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