

2202-HV High Density Switchpack/ Flasher Unit

ATC Traffic Equipment and Software

The Oriux 2202-HV High-Density Switch Pack/ Flasher Unit is a plug-in interface module for use in the Oriux line of ATC Cabinets.

The 2202-HV is designed for automatic configuration based on its installed cabinet position, allowing the unit to serve as either a HDSP or HDFU. HDSP addressing supports up to 16 slot assignments covering channels 1 through 32, while dedicated addresses are provided for HDFU operation. This slot-based approach allows a common hardware platform to perform different functions within the cabinet.

Designed with field serviceability in mind, the unit includes a front-panel reset and address-reporting function that helps technicians identify its assigned SB#3 address. Holding the reset button initiates an LED count sequence using the Tx and Rx indicators to display the address, while the unit continues to operate normally. This provides technicians with a convenient way to verify addressing directly at the cabinet.

By combining multiple functions and reliable communications, the Oriux 2202-HV HDSP/FU provides a flexible building block for modern ATC traffic-control cabinets.



Features & Benefits

The Oriux 2202-HV combines dual-channel load switching and four-output flasher operation in one compact device for ATC cabinets. Its high-density design reduces cabinet space requirements while eliminating the need for separate flasher units.

Real-time SB#3 communications, RMS voltage sensing, and load-current monitoring provide an accompanying CMU with valuable information for system monitoring and diagnostics. Built-in output shutdown adds fail-safe protection during specified fault or communication-loss conditions.

The 2202-HV also supports a range of traffic-control cabinet applications. Front-panel indicators and self-diagnostics provide technicians with clear operating and fault-status information.

2202-HV HDSP/FU Specifications



- **Dimensions:** 1.12" W x 4.5" H x 6.5" D (2.84 cm x 11.43 cm x 15.24 cm)
- **Weight:** 5.6 oz (158g)
- **Operating Voltage Range:** 60 to 135VAC at 50-60Hz $\pm$ 3 Hz
- **Operating Environmental Range:** -40°F to +176°F (-40 °C to +80°C) and relative humidity from 0 to 95%

- **Dual-Function Operation** – Two RYG load-switch channels (6 outputs) or four-output flasher operation.
- **Real-Time SB#3 Communications** – Provides standardized communications with the CMU for voltage and load-current reporting.
- **True RMS Monitoring** – Measures field voltage and load current regardless of phase or waveform for enhanced system diagnostics.
- **Automatic Output Override** – Forces HDSP outputs OFF during a CMU-detected fault or loss of SB#3 communications for 1.75 seconds.

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.

