

Ocean State Signal Co.

27 Thurber Blvd • Smithfield, RI 02917
(401) 231-6780 Fax: (401) 231-4390



SPECIFICATION SHEET

TITLE: Detector Models 711, 721, 722
Phase Selector Models 762 and 764

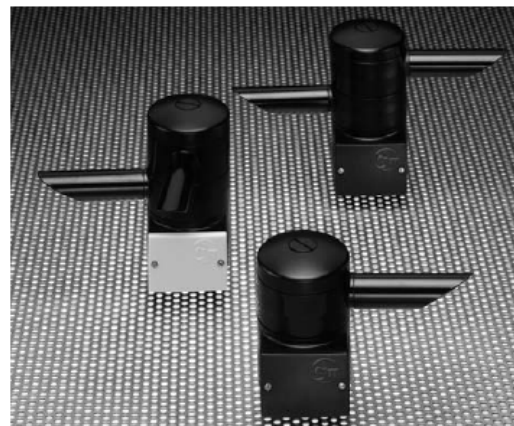
PART NO.:
Opticom Priority Control Systems

Description

The 700 Series Opticom™ detectors transform the optical energy detected from an approaching vehicle-mounted Opticom emitter to an electrical signal. The electrical signal is transmitted along a cable to the Opticom phase selector or discriminator for processing.

Detectors are mounted at or near the intersection that permits a direct, unobstructed line-of-sight to vehicle approaches. Detectors may be mounted on span wire, mast arm, or other appropriate structures.

Models 711, 721 and 722 are designed for common applications in three configurations: one direction - the single channel 711; two direction - the single channel 721; and two direction, two output detection - the dual channel 722.



- Models 722, 721 (back) and 711

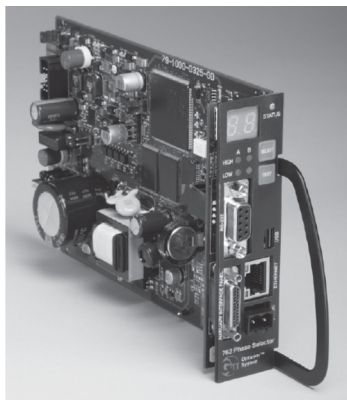
Description



- Model 764

The Opticom™ Model 762 Phase Selector is a plug-in, two-channel, dual-priority, encoded signal device designed for use with Opticom™ infrared system emitters and detectors. The Opticom™ Model 764 Multimode Phase Selector is a plug-in, four-channel, dual-priority, multimode encoded signal device designed for use with both Opticom™ infrared system emitters and detectors and Opticom™ GPS radio/GPS intersection units and vehicle equipment. Both can be installed directly into the input files of Type 170 traffic controllers equipped with priority selection software and in virtually any other traffic controller equipped with priority phase selection inputs and related software. Phase selectors are powered from AC mains or 24 VDC and contain their own internal power supply to support Opticom™ infrared system detectors and, with the Model 764, Opticom™ GPS radio/GPS units.

The Opticom™ Model 764 may be used in IR only applications, GPS only applications, or IR and GPS applications simultaneously.



- Model 762

Both Opticom™ Models 762 and 764 recognize and discriminate among three distinct Opticom™ emitter frequency rates via Opticom™ detectors: high priority, low priority and probe priority/frequency. Within each of these three frequency rates, the phase selectors further discriminate among 10 classes of vehicle identification codes, with 1,000 individual codes per class - 10,000 total per frequency rate.

The Opticom™ Model 764 also recognizes three different priority levels transmitted by Opticom™ GPS vehicle equipment: high priority, low priority and probe priority. Within each of these three priority levels, the phase selectors further discriminate among 254 agency IDs, 15 classes of vehicle identification codes, with 10,000 individual codes per class - for more than 38 million total per priority level.

Both the Opticom™ Model 762 and Model 764 internally records each activation of the system.

For more information, visit our website at www.oceanstatesignal.com