

# OPTICOM™ 711/721/722 Detectors

## DESCRIPTION

The Opticom 700 Series 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 Opticom Discriminator for processing.

Opticom 700 series detectors are mounted at or near the intersection that permits a direct, unobstructed line-of-sight to vehicle approaches. Opticom detectors may be mounted on span wire, mast arm or other appropriate structures.

Opticom 711, 721 and 722 Detectors offer significant advances and flexibility for specific intersection applications.

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

All Opticom 700 series detectors greatly reduce installation and life cycle costs through their modular design, adjustable tubes, and compatibility with existing Opticom Infrared System intersection and vehicle equipment.

## FEATURES

- Advanced electrical transient immunity
- Modular design
- Adjustable turret configuration: accommodates skewed approaches
- Lightweight, durable, high-impact polycarbonate enclosure
- Simplified installation: span wire or mast arm
- Gray door identification of Opticom 722 detector

## ACCESSORIES

- Opticom Span Wire Clamp
- Opticom 138 Detector Cable



## OPERATING PARAMETERS

- Reception Range: 200 ft. (60 m) adjustable up to 2,500 ft. (760 m)
- Electrical: 24 to 28 VDC, 50 MA minimum
- Temperature Range: -30° F (-34° C) to 165° F (74° C)
- Humidity: 5% to 95% relative

## PHYSICAL DIMENSIONS

### Opticom 711 Detector

Length: 12.0 in. (30.5 cm)  
Width: 4.75 in. (12.1 cm)  
Height: 5.63 in. (14.3 cm)  
Weight: 0.88 lbs. (400 g)

### Opticom 721 and 722 Detectors

Length: 12.0 in. (30.5 cm)  
Width: 4.75 in. (12.1 cm)  
Height: 7.13 in. (18.1 cm)  
Weight: 1.12 lbs. (508 g)



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