OPTICOM™ MODEL 764 MULTIMODE PHASE SELECTOR

OPTICOM™ SYSTEM COMPONENT FOR ENVIRONMENTS WITH INFRARED AND GPS TECHNOLOGY

Features

- IR only operation, GPS only operation, or simultaneous IR and GPS operation
- Four channels of detection
- Two auxiliary detectors per channel (IR)
- Records green signal displayed at end of preemption
- Compatible with encoded signal and non-encoded signal Opticom™ IR Emitters
- High and low priority as well as probe frequency discrimination
- "First-come, first-served" priority within each priority level
- Priority-by-class setting via the interface software
- Priority-by-direction setting via the interface software
- Direct installation into CA/NY Type 170 input files
- Automatic range setting using an encoded emitter (IR)
- Call bridging for both IR and GPS calls including mixed mode
- Low-priority output may be configured for first-come, first-served or all-channel active
- User-adjustable range setting up to 2,500 feet of operation
- Change parameters based on time of day
  - Priority enables
  - Max call times
  - Hold times
  - Call bridging
  - Range/Activation point thresholds
  - Limit time between low priority calls
  - Low priority directional priorities
  - Relative priorities
- Compatible with most traffic controllers
- 10/100Mb Ethernet communication on the front panel
- USB 2.0 communication on the front panel
- RS232 communications front port, and rear backplane and Auxiliary Interface Panel
- User-selected communications baud rate of 1,200 to 230,400 bits per second
- Customizable ID code validation
- Flexible programming options for priority control parameters
- Detailed current Opticom™ System parameter information
- History log of most recent Opticom™ infrared and GPS system activities (10,000 entries)
- 30,000 frequency/class/vehicle code ID combinations (IR)
- More than 38 million agency/class/vehicle code combinations (GPS)
- Front panel switches and diagnostic indicators for testing
- Accurate infrared signal recognition circuitry
- Precise output pulse
- Definitive call verification
- Regulated detector power supply (IR)
- Optically isolated outputs
- Two character display and keypad to enable diagnostics and test calls to each channel
- Display LED Indicators
  - High- and low-priority test calls
  - Reset to default parameters
  - Range setting
- User-settable range setting by ETA and/or distance (GPS only)

Features (cont)

- Varied outputs depending on turn signal status of requesting vehicle (GPS only)
- Diagnostic test
- Advanced built-in diagnostics and testing
- Tested to NEMA environmental and electrical test specifications

Accessories

- On-site Interface software package
- Model 768 Auxiliary Interface Panel
- Opticom™ Model 755 Four-Channel Adapter Card (optional)
- 760 Card Rack

Operating Parameters

- Four dual-priority and probe frequency channels
- "First-come, first-served" for vehicles with the same priority level (high or low)
- Priority override: always higher over lower
- Opticom™ GPS Radio/GPS Unit input
- Opticom™ Infrared System Detector input(s): one per channel on the card edge connector and two auxiliary per channel through the Model 768 auxiliary interface panel
- Optional interface software for flexible programming options and call history
- LED indicators
  - Status
  - Radio (GPS mode)
  - Link (GPS mode)
  - High signal/call per channel
  - Low signal/call per channel
  - Two-digit status display
- Two character display and keypad to enable diagnostics and test calls to each channel
- Voltage: 89 to 135 VAC, 60 Hz at up to 500mA or 24 VDC at up to 1 Amp
- Temperature: -37°C to +74°C (-34.6°F to +165.2°F)
- Humidity: 5% to 95% relative
- CE certified
- NEMA TS-2 compliance
- FCC compliance

Physical Dimensions

Length: 7.0 in. (17.8 cm) x 8.2 in. (20.8 cm) including handle
Width: 2.3 in. (5.8 cm)
Height: 4.5 in. (11.4 cm)
Weight: 0.60 lbs. (272 g)

For complete warranty information visit www.gtt.com.

*Building critical traffic connections*sm

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