

Opticom™ Infrared System

Opticom™ Models 452 and 454 Discriminators

Opticom™ Infrared System Matched Component Products

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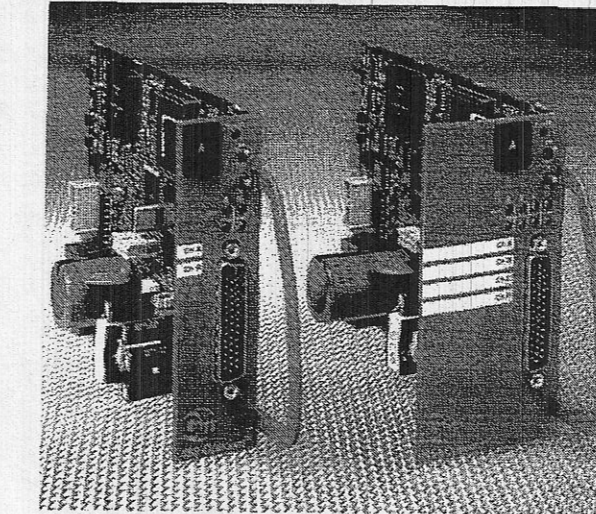
Description

The Opticom™ Model 452 Discriminator is a plug-in, *two-channel*, dual-priority, encoded signal device designed for use with Opticom™ Infrared System Emitters and Detectors. The Opticom™ Model 454 Discriminator is a plug-in, *four-channel*, dual-priority, encoded signal device designed for use with Opticom infrared system emitters and detectors. Both can be installed directly into the input file of Type 170 traffic controllers equipped with priority phase selection software and in virtually any other traffic controller equipped with priority phase selection inputs and related software. Opticom™ Discriminators are powered from AC mains and contain their own internal power supply to support Opticom infrared system detectors.

The Opticom™ Model 760 Card Rack is required when input file space is not available.

Opticom models 452 and 454 discriminators recognize and discern between two Opticom infrared system emitter frequency rates via Opticom infrared system detectors. Within each of these frequency rates the discriminators further discern between encoded and non-encoded emitters.

Certain intersection parameters may be modified via the use of onboard jumper selects.



Opticom™ Model 452 Discriminator and
Opticom™ Model 454 Discriminator

The primary Opticom detector inputs and power outputs are on the card edge connector. Two additional auxiliary detector inputs are available for each channel through a front panel connector. The front panel connector also contains signal indication sensing inputs.

Each channel delivers a constant output for high-priority activation and a pulsed output for low-priority activation. A high-priority signal received on any channel will override any low-priority activation.

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