

# 3M

# Opticom™

## Priority Control System

### Card Rack Model 760

Reporter Series: An Opticom™ System Matched Component Product

#### Description

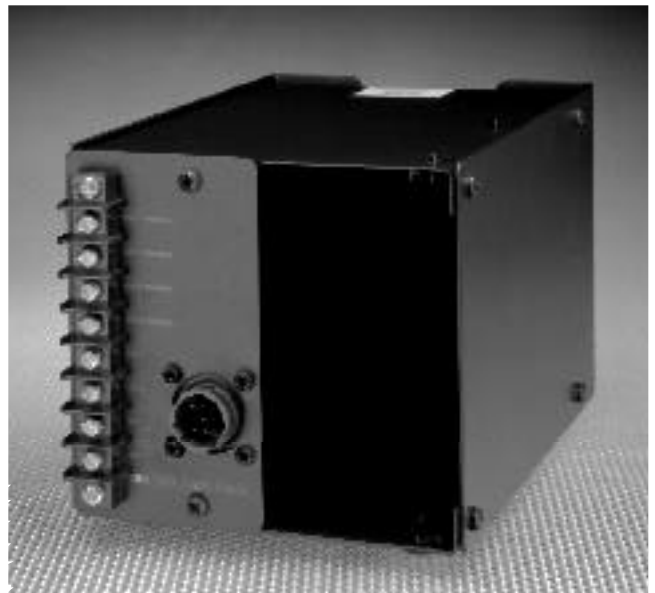
The Model 760 Card Rack facilitates easy Opticom phase selector/discriminator installation. It can be used in traffic control cabinets without card slots for Opticom components.

The Model 760 consists of a metallic enclosure with a dedicated card slot for one phase selector/discriminator. Either two or four channel units may be used.

The front panel of the Model 760 includes a terminal strip for connecting the optical detectors, as well as a 9-pin circular connector and harness to connect the phase selector's/discriminator's inputs and outputs.

#### Features

- All connections and harnessing are conveniently located in the front
- Rugged construction
- Stable "On-Shelf" mounting
- Easy to read terminal designations
- Easy to install



—Model 760

## TB1 Terminal Block Connections

The terminal block on the front of the card rack, TB1, is intended for primary optical detector connections for channels A, B, C and D. It is located on the left side of the card rack.

| Pin | Function                                |
|-----|---|
| 1   | Channel A primary detector signal input |
| 2   | Channel B primary detector signal input |
| 3   | Channel C primary detector signal input |
| 4   | Channel D primary detector signal input |
| 5   | Detector power                          |
| 6   | Detector power                          |
| 7   | Detector ground                         |
| 8   | Detector ground                         |

## J1 Connector

The J1 connector is intended to provide all the signals needed to connect phase selectors directly to a NEMA controller. It is located next to TB1.

| Pin | Function                          |
|-----|-----------------------------------|
| 1   | 115 VAC (AC+)                     |
| 2   | AC Return (AC-)                   |
| 3   | Chassis ground                    |
| 4   | Not used                          |
| 5   | Channel A priority control output |
| 6   | Channel B priority control output |
| 7   | Channel C priority control output |
| 8   | Channel D priority control output |
| 9   | Logic ground                      |

## Physical Dimensions

Model 760

|                     |                           |
|---------------------|---------------------------|
| <b>Length</b> ..... | <b>8.5 in. (21.6 cm)</b>  |
| <b>Width</b> .....  | <b>5.25 in. (13.3 cm)</b> |
| <b>Height</b> ..... | <b>5.25 in. (13.3 cm)</b> |
| <b>Weight</b> ..... | <b>1.37 lbs. (620 g)</b>  |

### Important Notice to the Purchaser

THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

3M will repair or replace any Opticom™ Priority Control System component found to be defective in materials or manufacture within five (5) years from the date of shipment from 3M. See "Summary of Warranty Coverage" for details of extended five year coverage under the Opticom 5/10 warranty. This warranty shall not apply to incandescent lamps or to any system component which has been (1) repaired or modified by persons not authorized by 3M; (2) subjected to misuse, neglect or accident; or (3) has been damaged by extreme atmospheric or weather-related conditions.

In no event shall 3M be liable in contract or in part for any injury, loss, or damage, whether direct, indirect, incidental, special or consequential, arising out of the use or inability to use the Opticom system or any component thereof. THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE.

3M has designed, developed and tested each Opticom priority control system component as part of a matched component system. 3M makes no warranty whatsoever concerning the reliability or safety of Opticom system components when used with non-Opticom system products. 3M shall not be responsible for any Opticom component which 3M determines has been damaged in whole or in part by its use with a non-Opticom system product.

Sale and use of the Opticom priority control system is expressly restricted to authorized agencies of government customers, within their respective jurisdictions. However, because the optical signal generated by the Opticom system is not exclusive, 3M cannot ensure exclusive activation by purchaser. Authorized users who desire to use or coordinate use of the Opticom system with that of other jurisdictions must first obtain the prior written approval of each authorized user in the jurisdiction where use is sought.



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