FIRECOM™

Technology Protecting Life®

NCM-4

Notification Circuit Module

Features

- Microprocessor Controlled
- Selectable Degrade Mode Operation
- Service Mode Option
- All Wiring Power Limited
- Zone Activation LEDs
- Space Saving Design
- Four Signal Notification Appliance Circuits (NAC)
  - Style Y (Class B) or Style Z (Class A) Wiring
  - 1.5A per Circuit Rating
  - Supports Synchronization

Application

The NCM-4 is used to supervise and control polarized 24VDC signaling appliances such as strobe light, horns and bells.

MEA CITY OF NEW YORK

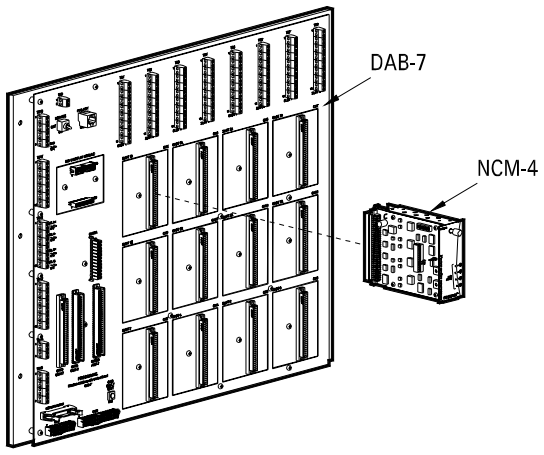
Description

The NCM-4 Notification Circuit Module contains 4 notification appliance circuits (NAC). The four NAC's can be wired as Style Y (Class B) or Style Z (Class A). Each circuit is rated at 24VDC @ 1.5A. All circuits are compatible with any UL listed 24VDC polarized appliance device such as a strobe light, bell or horn. Strobe/Horn synchronization is supported with approved signaling appliances. Firecom control relays with high current contacts can also be connected to the NCM-4 to control devices such as fans, dampers or doors. The NCM-4 is fully supervised and protected against overloads. All NAC's can be selected by input/output logic equations that are evaluated by the COM-2 Communications Card installed in the DAB-7 Motherboard.

The NCM-4 is microprocessor controlled by the COM-2 Communication Card installed in the DAB-7 motherboard. The NCM-4 receives commands and communicates its circuit status to the COM-2. In the event of a microprocessor failure on the COM-2 card, the NCM-4 operates in a degrade mode of operation. If selected, signal circuits can activate when an input to the motherboard goes into alarm. A Service Mode features allows testing of the NCM-4 module without activating the circuit outputs.

Installation

The NCM-4 module can be installed in Option Slots 1A, 3A, 5A or 7A of the DAB-7 Motherboard. Each motherboard is software programmable to allow up to 4 NCM-4 modules.



FIRECOM™, INC.
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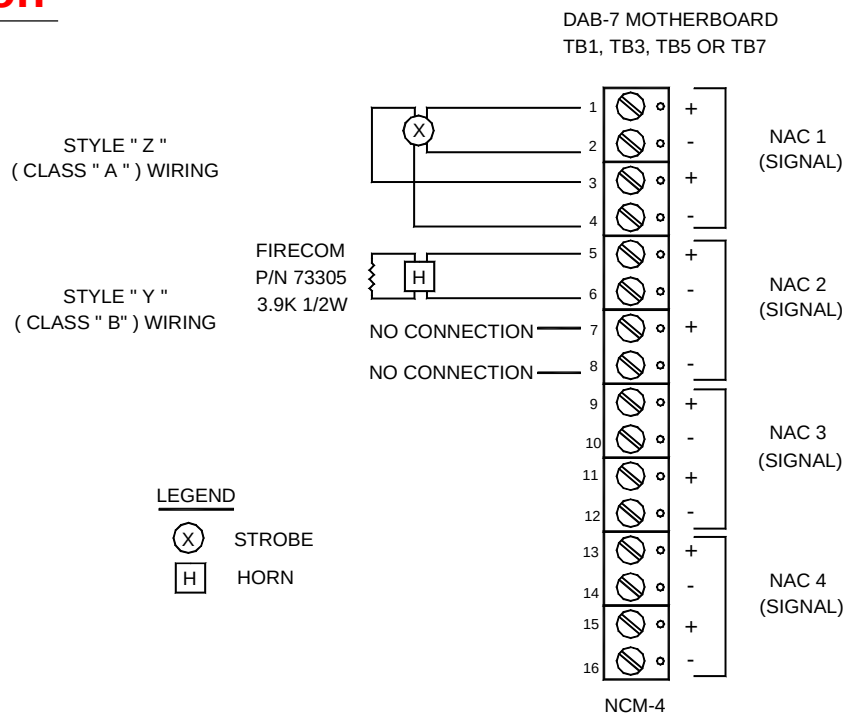
Engineering Specifications

NCM-4 Notification Circuit Module shall contain 4 signaling Notification Appliance Circuits (NAC). All signaling circuits shall support Style Y (Class B) and Style Z (Class A) wiring configurations. Each signaling circuit shall be rated at 24VDC @ 1.5A and be compatible with 24VDC UL listed polarized appliance devices. Device synchronization shall be supported with approved signaling appliances. Each DAB-7 motherboard shall allow up to 4 NCM-4 modules. In the event of a microprocessor failure, the NCM-4 shall contain degrade mode switches for each zone to support circuit activation when an alarm condition develops.

Wiring Connection



Compatible Sync Appliances

Model No.	Description
Series FAH/FAH-WP, FNH	Audible Horn
Series FMT with Strobe	Multitone Horn with Sync Strobes
Series FE70/90 with Strobe	FE Speakers with Sync Strobe
Series FET70/90/1080/1081 with Strobe	FET Speakers with Sync Strobe
Series FRSS/FRSSP Strobes	Remote Sync Strobes
Series FCH70 Strobes	Chimes with Sync Strobes
Series FAS, FNS	Audible Horn with Sync Strobes

Ordering Information

Model No.	Part No.	Description
NCM-4	73722	Notification Circuit Module

Electrical Specifications

Operating Voltage	24VDC
NAC1, NAC2, NAC3, NAC4 Rating	24VDC @ 1.5A
Battery Standby Current (Includes All NAC's)	55mA
Battery Alarm Current for each NAC activated	28mA plus alarm load
Maximum NAC Loop Capacitance	10 Microfarads
Maximum NAC Loop Resistance	1 Ohms
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% @ 32°C

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.

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