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**INSTALLATION INSTRUCTIONS
NOTIFICATION APPLIANCE CIRCUIT INTERFACE MODULE
(NACIM)**

Use this product according to this instruction manual. Please keep this instruction manual for future reference.

GENERAL:

The Notification Appliance Circuit Interface Module (NACIM) is used to convert the Notification Appliance Circuit (NAC) of the Fire Alarm Control Panel (FACP) to an open collector circuit to operate the inputs of the Single Circuit SAFEPATH, the Digital Voice (DV) Digital Voice Expansion Module (DV-EM) and multi circuit SAFEPATH units. Figure 1 shows a NACIM wired in a Single Circuit SAFEPATH application. Figure 2 shows a NACIM wired in a DV or multi circuit SAFEPATH application with a single NAC. Figure 3 shows multiple NACIM's in a DV or multi circuit SAFEPATH application with multiple NAC's. (The NACIM can be connected to either a 12 Volt or a 24 Volt NAC. An End of Line Resistor (EOLR) that is listed for use with the FACP, must be installed across the two terminals of the TB2 on the NACIM.)

NOTE: All **CAUTIONS** and **WARNINGS** are identified by the symbol . All Warnings are printed in bold capital letters.

MOUNTING INSTRUCTIONS:

In single circuit SAFEPATH, use the 3 fasteners in the top of the enclosure to secure the PC board.

 **WARNING: QUALIFIED PERSONNEL MUST TEST THE SAFEPATH PANEL AFTER THE LINE LEVEL INPUT MODULE HAS BEEN INSTALLED AND BEFORE THE SAFEPATH PANEL IS PLACED IN SERVICE IN ACCORDANCE WITH THE INSTRUCTIONS IN THE SAFEPATH OPERATION AND INSTALLATION MANUAL. FAILURE TO TEST THE SAFEPATH PANEL OR CORRECT ANY TROUBLE CONDITION BEFORE THE SAFEPATH PANEL IS PLACED IN SERVICE COULD RESULT IN A MESSAGE NOT BEING PLAYED WHEN AND WHERE REQUIRED IN AN EMERGENCY SITUATION. THIS COULD RESULT IN PROPERTY DAMAGE AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.**

WIRING DIAGRAMS:

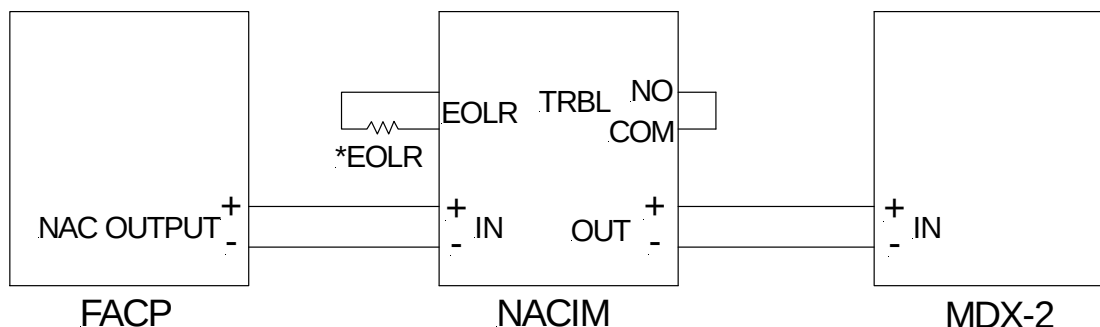


Figure 1: Single Circuit SAFEPATH Application

** EOLR is a customer supplied resistor listed to be used with the FACP*

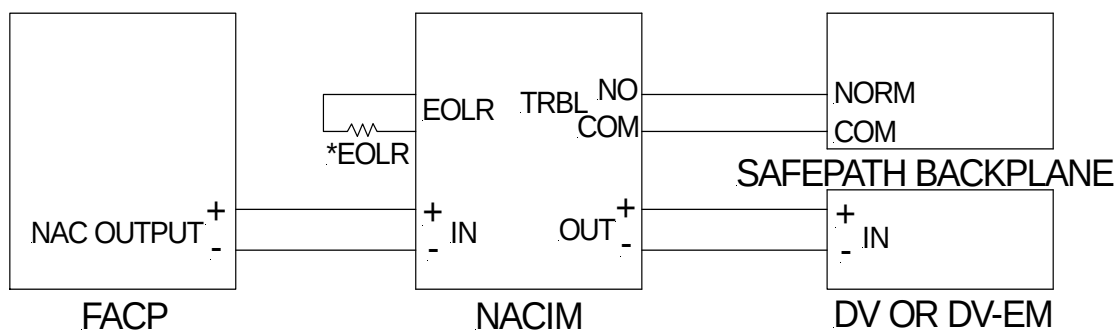


Figure 2: Single Input DV or Multi Circuit SAFEPATH Application

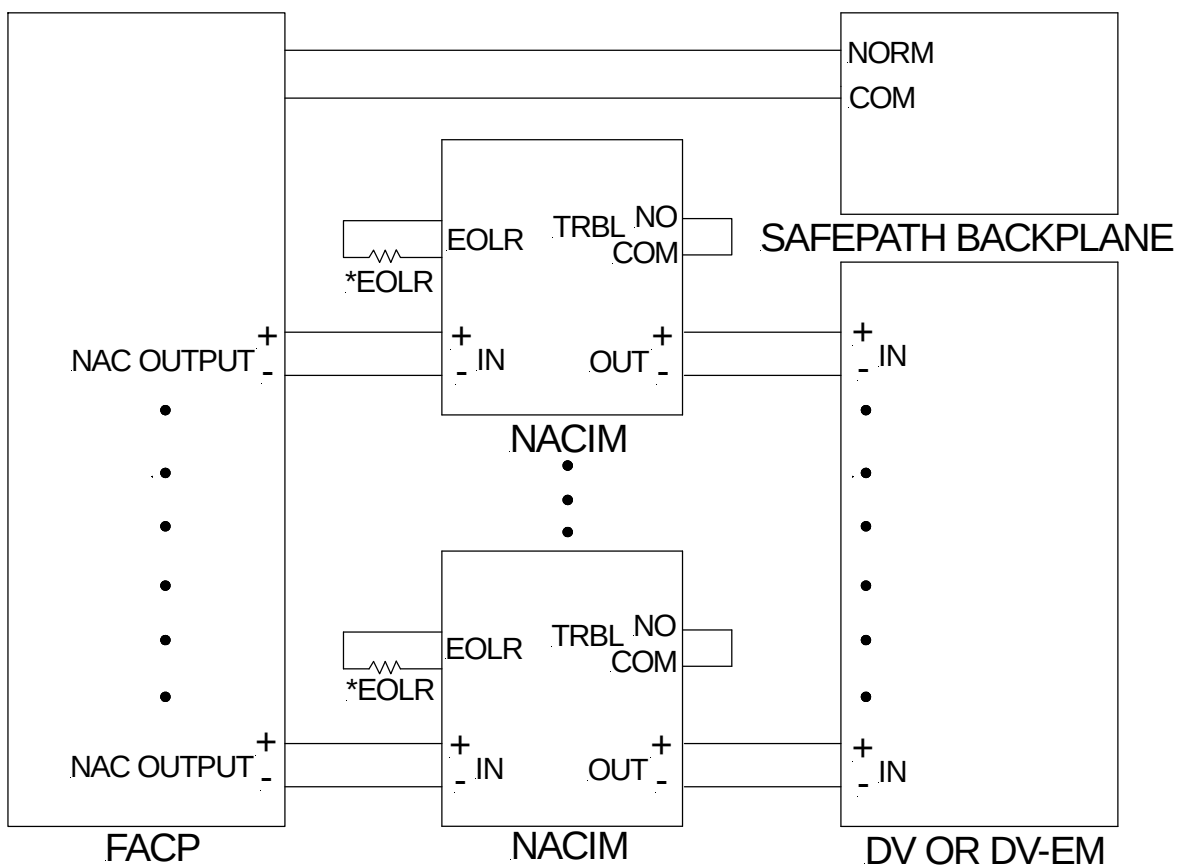


Figure 3: Multiple Input DV or Multi Circuit SAFEPATH Application

*** EOLR is a customer supplied resistor listed to be used with the FACP**

MEA INFORMATION:

Recommendations - That the above units be accepted on condition that all uses, configurations, arrangements and functions, locations and installations comply with the New York City Building Code, specifically Subchapter 17 and with the Referenced Standard RS 17-3 through 17-3C including the NFPA as appropriate, the UL Listing, the manufacturer's instructions, the Fire Department Rules and the Electrical Code of the City of New York, and on further condition that:

- (a) The use, installation and application of the SAFEPATH System shall be restricted exclusively to connection with an BSA/MEA approved compatible Class E, Class J or Class C Fire Command Station.
- (b) The Fire Command Station shall have the capability of overriding any function of the SAFEPATH system.
- (c) Prior to the installation of any SAFEPATH System, a specific approval for a specific installation must be obtained from the Fire Department.
- (d) A priority voice message matrix must be submitted to the Fire Department for approval before the installation is performed and shall include the following information:
 - 1. The duration of each message.
 - 2. The content of each message.
 - 3. The duration of the audible and visual alarm signals prior to the initiation of the subsequent prerecorded message transmission.
 - 4. The interval between the cessation of the audible and visual alarm signals and the generation of prerecorded message.
- (e) The SAFEPATH panel must be located in the room as, and within 20 feet of a BSA/MEA approved Fire Command Station. The wiring between the SAFEPATH Control Unit and the Fire Command Station must be enclosed in conduit.
- (f) Power supply wiring to the SAFEPATH Control Unit shall be installed in the same conduit containing the input and output wiring.
- (g) When used with central office communicator or transmitter, the installation and operation of the equipment and devices listed herein shall comply with Fire Department Rule #3 - RCNY 17-01, NFPA 71, and shall have the capability of transmitting separate and distinct signals to indicate manual pull station alarm, automatic smoke/heat detection alarm, sprinkler waterflow alarm, supervisory signal indications and trouble indications.
- (h) The connection of security/burglar devices and equipment to that submitted for acceptance for fire alarm usage under this MEA application is prohibited within New York City and such equipment and devices shall be so permanently labeled.

All shipments and deliveries of such equipment shall be provided with a metal tag suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the Building Code.

LIMITED WARRANTY

Cooper Wheelock, Inc. dba Cooper Notification and Cooper Notification, Inc. (each, a "Seller") products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with these instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriter's Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ). Seller products when properly specified, applied, installed, operated, maintained and operationally tested as provided above are warranted against mechanical and electrical defects for a period of (a) three (3) years from date of manufacture with respect to MEDC and Seller Industrial Signals and Seller Fire and Security Notification Appliances and Devices, or (b) one (1) year from date of manufacture with respect to Waves and SafePath Voice Evacuation and Mass Notification Systems (date of manufacture is determined by date code.) Correction of defects by repair or replacement shall be at Seller's sole discretion and shall constitute fulfillment of all obligations under this warranty. THE FOREGOING LIMITED WARRANTY SHALL IMMEDIATELY TERMINATE IN THE EVENT ANY PART NOT FURNISHED BY SELLER IS INSTALLED IN THE PRODUCT. THE FOREGOING LIMITED WARRANTY SPECIFICALLY EXCLUDES ANY SOFTWARE REQUIRED FOR THE OPERATION OF OR INCLUDED IN A PRODUCT. SELLER MAKES NO REPRESENTATION OR WARRANTY OF ANY OTHER KIND, EXPRESS, IMPLIED OR STATUTORY WHETHER AS TO MECHANICALITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER MATTER.

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