

## Description

The Gamewell-FCI, NCM-1 Noise Control Module (patented) is used to reduce the common noise (for example, noise that is present on both conductors) on the Signaling Line Circuit (SLC). The NCM-1 allows the use of untwisted, unshielded wire on the SLC. Applications that have audio or fire fighters' telephones require the use of twisted/shielded wiring for all circuits including the SLC. The NCM-1 may also be used in these applications to further reduce the common mode noise.

## Installation

To wire the NCM-1, connect it directly in line with the SLC Loop. To connect the SLC circuit, the NCM-1 includes a pig-tail lead. To determine the maximum wiring distance, refer to Table 1. All distances are rated a maximum allowable distance and AWG wire.  
**Note:** For systems without shield, cut the white wire.

## Specifications

Table 1 lists the SLC wiring specifications that do not include audio for the following Systems.

- E3 Series (Expandable Emergency Evacuation) System
- S3 Series (Small Addressable FACP) System
- 7100 Series System

**Table 1: E3 Series®, S3 Series and 7100 Series SLC Wiring Specifications (Without Audio)**

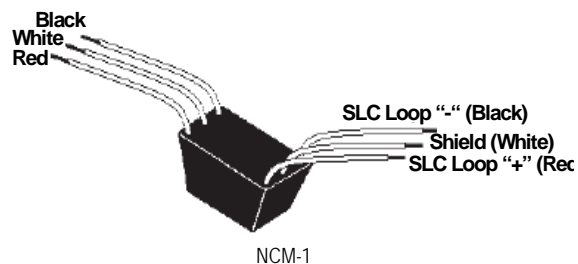
| Conduit | Shield | Twisted-Pair | More Than One SLC Loop? | Acceptable Wire AWG. | Maximum Distance Per Loop |
|---------|--------|--------------|-------------------------|----------------------|---------------------------|
| NO      | NO     | NO           | YES                     | 12-18                | 750 ft/Loop               |
|         |        |              | NO                      | 12-18                | 1,000 ft                  |
| NO      | NO     | YES          | YES or NO               | 12-18                | 2,000 ft/Loop             |
|         |        |              | YES or NO               | 12-18                | 2,000 ft/Loop             |
| YES     | YES    | NO           | YES                     | 12-18                | 2,000 ft/Loop             |
|         |        |              | NO                      | 12-14                | 5,000 ft                  |
| YES     | NO     | YES          | YES                     | 12-18                | 3,000 ft                  |
|         |        |              | NO                      | 12                   | 10,000 ft <sup>1</sup>    |
| YES     | NO     | NO           | YES                     | 12-18                | 500 ft/Loop               |
|         |        |              | NO                      | 12-18                | 2,000 ft                  |
| NO      | YES    | YES          | YES                     | 12                   | 10,000 ft <sup>1</sup>    |
|         |        |              | NO                      | 12                   | 10,000 ft <sup>1</sup>    |
| YES     | YES    | YES          | YES                     | 12                   | 10,000 ft <sup>1</sup>    |

Note1: A smaller gauge wire will support shorter distances as follows:

- 14 AWG. 8,000 ft. Maximum
- 16 AWG. 4,875 ft. Maximum
- 18 AWG. 3,225 ft. Maximum

E3 Series® is a registered trademark of Honeywell International Inc.

## Noise Control Module



## Features

- Mounts in a cabinet or external enclosure.
- Uses multiple NCMs for T-Tapped non-shielded connections.
- Connects directly to the Signaling Line Circuit.
- Provides Pig-Tail Type connections.
- Patented Design (U.S. Patent # 5, 210, 523).

## Ordering Information

| Part Number | Description          |
|-------------|----------------------|
| NCM-1       | Noise Control Module |

SIGNALING



LISTED

MEA  
Approved  
FDNY:



CS68 COA #:289-91-E 7165-0028:0141 S2424  
7165-0028:0153



### GAMEWELL-FCI

12 Clintonville Road, Northford, CT 06472-1610 USA • Tel: (203) 484-7161 • Fax: (203) 484-7118

Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.