

# NCM-1

## Noise Control Module

### General

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 may also be used in these applications to further reduce the common mode noise.

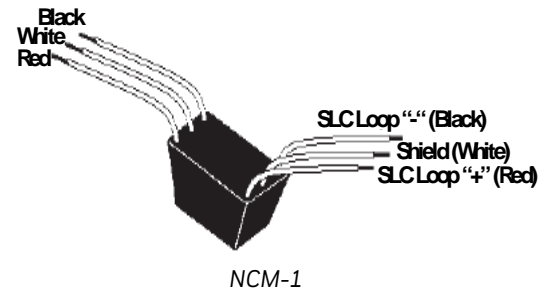
### Installation

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.

### Ordering Information

NCM-1: Noise Control Module



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
NO	YES	NO	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
YES	NO	NO	YES	12-18	10,000ft 1
YES	NO	NO	YES	12-18	500 ft/Loop
			NO	12-18	2,000 ft1
NO	YES	YES	YES	12	10,000 ft1
			NO	12	10,000 ft1
YES	YES	YES	YES	12	10,000 ft1

**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

16 AWG. 4,875 ft. Maximum 18 AWG. 3,225 ft. Maximum

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

## FEATURES & BENEFITS

- 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)

# NCM-1 Technical Specifications

## SYSTEM

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

## TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F).

However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

## STANDARDS

The NCM-1 is designed to comply with the following standard:

**UL Standard:** UL 864 9th Edition

## AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

**UL:** CS68

**ULC:** S424

**MEA FDNY:** 6175, COA #: 289-91-E

**CSFM:** 7165-0028:0141

7165-0028:0153

**ISO 9001 Certification**

For a complete listing of all compliance approvals and certifications, please visit:

<http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx>

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This document is not intended to be used for installation purposes. We try to keep our 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

Learn more about Gamewell-FCI's NCM-1 and other products available by visiting [www.Gamewell-FCI.com](http://www.Gamewell-FCI.com)

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