

NMC-100M Network Monitoring Controller



Features

- Two Class 'B' initiating circuits
- Form 'C' Alarm and Trouble contacts
- Supervised Signal Circuit Form 'C' Relay (Slave)
- Keypad Entry and Control
- 4 Line LCD Screen for Status/Information Update
- Serial RS-232 and Keyboard Interfaces
- Laptop Download Program (FIRE-LINKLOAD)
- Addressable Multi Device Networking
- Designed to meet or exceed NFPA / ANSI Standards and ADA Accessibility Guidelines
- UL Pending

Description

FIRE-LINK® is a system designed to supplement the signaling capabilities of a building's existing fire alarm system. By utilizing the existing wiring infrastructure (i.e. the building's own 120VAC powerline) Mircom offers the fire protection industry a solution that is easy to install, can be placed anywhere a standard powerline outlet exists and prevents unsightly wires from being run along public hallways. The FIRE-LINK® system provides a cost beneficial solution to an apparent North America wide audibility problem without the expense of any additional wiring.

The NMC-100M is a Fire Alarm Control Unit (accessory) which acts as a control gateway for Mircom's FIRE-LINK® network. The NMC-100M uses unique Powerline Technology to provide the highest possible reliability. This product operates and is compatible within Mircom's FIRE-LINK® network. The NMC-100M has a battery back-up circuit which permits installation of an SLA (Sealed Lead Acid) battery which is monitored for low voltage and excess current conditions.

Using the Keypad and LCD interface, or alternately the controlling PC software, the installation and monitoring of the FIRE-LINK® network is simple.

Connection to your primary system is done through a monitored two wire interface. Network and Primary Alarm system status are always displayed. Since the system is addressable, special ESD's can be configured from the LCD and Keypad to act as 'trouble' or 'special alert' signaling devices providing extended feedback.

Applicable Standards

The NMC-100M has been designed to meet or exceed, where applicable, the following standards and guidelines;

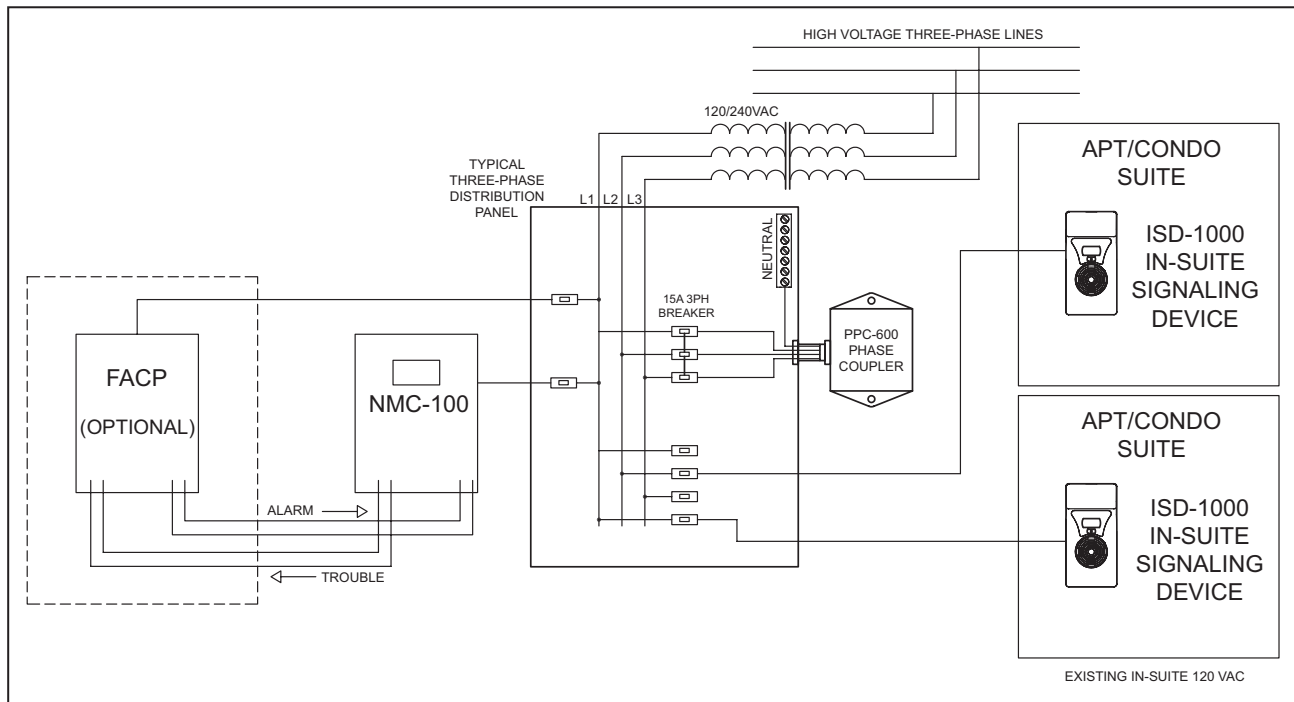
- ANSI/NFPA 72 National Fire Alarm Code (1999 Edition)
- CAN/ULC S527 Standard for Control Units for Fire Alarm Systems (Accessory)
- ULC S545 Standard for Residential Fire Warning Systems
- UL985 Household Fire Warning System Units
- ADA (AG) Americans with Disabilities Act



Specifications

Enclosure Dimensions	14" x 12" x 4" (356 x 305 x 102)	H x W x D (mm)
Mounting	4	Screw hangers
Supply Voltage	120 VAC, ± 10%, 60 Hz	Nominal
Power Fail Protection	12VDC - 12.0 AH	Supervised SLA Battery Backup
Enclosure Material	Metal	(indoor use only)
Power Consumption	500 mW, 2.5 W	RX, TX
Compatibility	Power Line (PL)	
Operating Temperature	-10°C to +40°C	< 90% Humidity
Indicators	Colored LEDs, LCD Display, Piezo	Operational status
Controls	Keypad, "Form C" contacts, Bell Circuit, Keyboard, RS-232	Operator and Fire alarm inputs
Timers	Silence Inhibit – Selectable	None, 1, 5, or 10 minutes
	Auto Silence - Selectable	None or 10 minutes

Typical Wiring Diagram



Ordering Information

Model	Description
NMC-100MW	Fire-Link® Network Monitoring Controller in a White Enclosure
NMC-100MR	Fire-Link® Network Monitoring Controller in a Red Enclosure