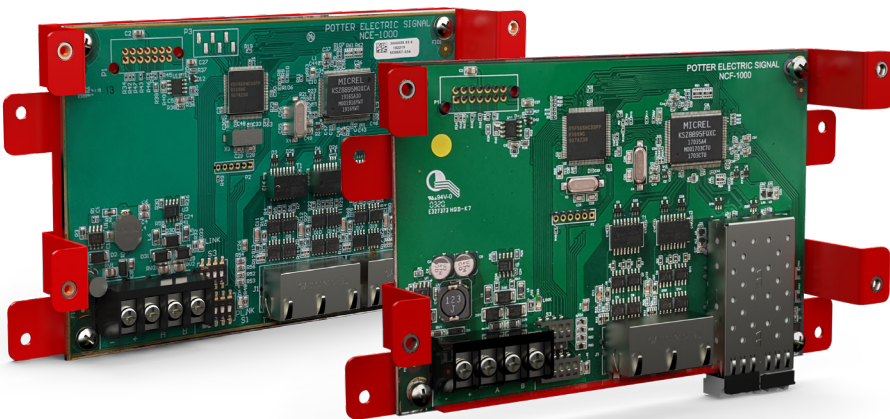# POTTER
The Symbol of Protection

Peer-to-peer Networking.

Communication on a dedicated ethernet or fiber network for up to 200 compatible fire panels.

Potter's peer-to-peer networking solution allows all new and existing IPA Series, AFC Series, and PFC-4064 fire alarm panels to communicate on a dedicated ethernet or fiber network.

When networked, users can allow point control between panels, use a single panel for central station reporting for a network, and employ network annunciators for total system control on up to 200 panels.

With the simple installation of an ethernet or fiber-based P-Link card and a panel firmware update, users can network their existing systems without the need of purchasing new fire panels. Additionally, programming the network is done within Potter's Panel Programming Software and does not require an additional application.

P-Link Networking Cards

To take advantage of peer-to-peer networking, a P-Link Networking Card is required. Depending on the application, two options are available:

NCE-1000 Ethernet Networking Card

- Provides transient/earth fault detection on standard ethernet wiring
- Ports 1-4 are transient protected
- Dip switches used to set class of wiring

NCF-1000 Fiber Optic Networking Card

- Provides long range network capability via fiber
- Utilizes SFP (small form pluggable) modules for selecting multi mode or single mode
- Dip switches used to set class of wiring

Ethernet and Fiber cards are interoperable and both types can be used within a network. When using fiber, both single mode or multi mode can be utilized, matching a building's existing infrastructure.

Networking Features

Reference Points

Reference points allow a network to be programmed so that one panel's event can cause an action in one or multiple other panels. Using Potter's Panel Programming Software, users can drag and drop these input/output functions to build complex actions with little effort.

Host Communicator

Networking enables a single panel to act as the host communicator, eliminating costly monitoring on multiple panels. This means that an entire network can reliably and swiftly report to a central station.

Network Annunciators

With Potter's Panel Programming Software, users can easily convert a standard RA-6500 remote annunciator or 160-character panel display into a network annunciator capable of viewing and controlling any networked panel. This allows for network-wide control without the need for new, proprietary hardware.

Size & Speed

Potter's peer-to-peer network features a capacity of up to 200 fire panels, allowing for network installations across even the largest buildings and campuses. Taking advantage of high speed network infrastructure and smart upload technology, complex programs can be distributed to a network of panels within minutes.

Addressable & Conventional

The PFC-4064 conventional fire panel features a P-Link circuit enabling the installation of an ethernet or fiber network card. This uniquely allows networks to be built with both addressable and conventional fire panels.

For more information on Potter's Peer-to-Peer Networking, visit:

pttr.us/network

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