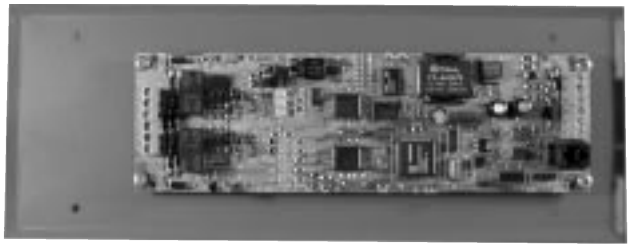
Models NIB & NIB-I Network Interface Boards

- Interfaces with the Faraday **MPC-1000** & **MPC-1500** intelligent fire alarm control panels, RND-1 annunciator, printers and CADGraphics software to form a true peer-to-peer network
- Can be wired Style 4 or 7
- Maximum 127 nodes on network (each NIB occupies one node address)
- Zones can be programmed to be local or network
- Network annunciators and CADGraphics can send global ack, sil and reset commands
- Data is regenerated at each node
- Transmission rate of 312 Kb
- Mounts in a six gang box or 12411 surface box
- UL 864 listed



Model NIB Network Interface Board

Description

The Faraday **MPC-Net** network is a way to link Faraday MPC-1000 and MPC-1500 Fire Alarm Control units , RND-1 Remote Network Annunciators , and devices such as printers, and computers together to form a peer-to-peer network. Each device connected to the network requires a **NIB** (network interface board). The NIB communicates with the attached device though an RS232 port. It receives 24VDC from a MPC1000, MPC-1500 or RND-1. The network is wired from node to node in a daisy chained ring configuration for style 7 operation. It can also be wired node to node in a daisy chained "flat" configuration with two ends for style 4 operation. (Style 7 is recommended). The network side of the NIB has 2 ports.

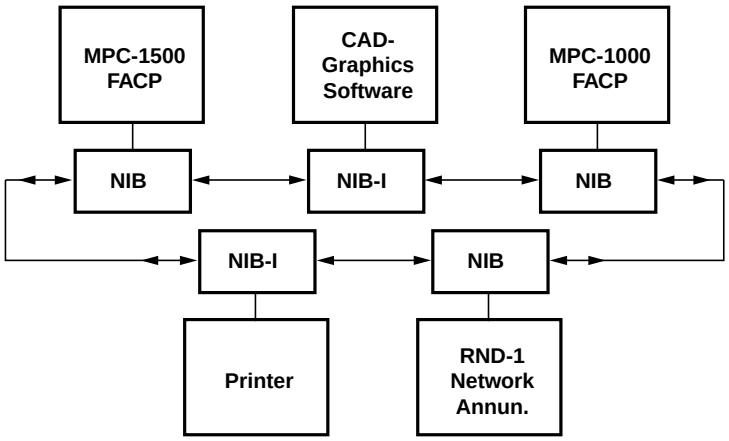
Port 1 (reverse direction) is an isolated port and port 2 (forward direction) is a non-isolated port. Port 2 of a NIB must be wired to port 1 of the next NIB (see wiring diagrams). The signals are regenerated at each NIB allowing a distance of 3000 feet between NIBs. A total of 127 NIBs (note: address 121-127 are reserved for certain devices) can be connected on a network.

There are two versions of NIBs:

1. P/N **12523** is a NIB designed to connect to a MPC-1000, MPC-1500, RND-1 and the MPC-Net.
2. P/N **12526** is a NIB with an isolated RS232 port. It is designed to connect printers and computers to the MPC-Net. The computer may be used as a terminal or to run the CADGraphics software.

Mounting

The NIB must be mounted in the same room in conduit as the RS232 serial device it is connecting to. If the NIB is connected to a NIB in another building, each of those 2 NIBs requires a p/n 12525 surge protector.



Detail - Network Configuration

Specifications

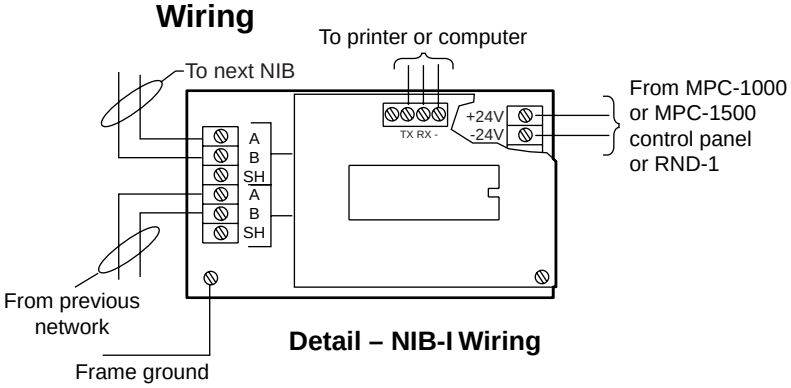
Wire Type
Catagory 5

Maximun wire distance between nodes
3,000 ft.

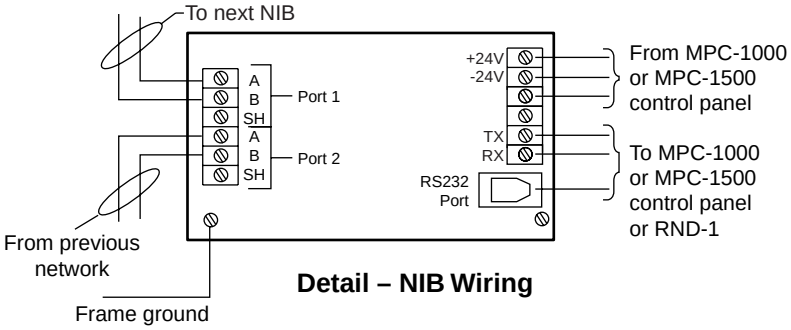
Data Rate
312K

Compatible Panels
Faraday MPC-1000 and MPC-1500

Wiring

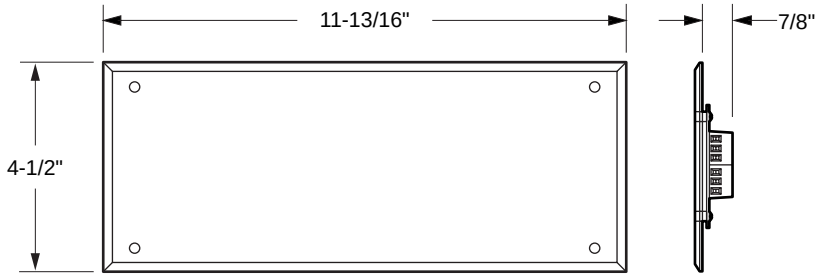


Detail – NIB-I Wiring



Detail – NIB Wiring

Dimensions



Ordering Information

Order No	Description
12523	NIB Network interface board
12526	NIB-I Network interface board w/isolated RS232
12525	Surface backbox w/surge protection, red
12529	RND-1 Network annunciator (spec sheet FAC-15)
12411-0-14	Surface back box, red

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