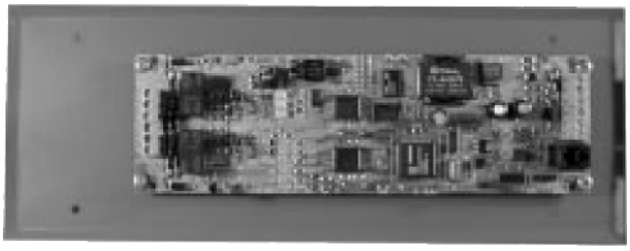
FARADAY

Models 12523A, 12526A & 12603A Network Interface Boards

Features

- Interfaces with the Faraday MPC-6000 & MPC-7000 intelligent fire alarm control panels, RND-2 network annunciator and printers to form a true peer-to-peer network
- NFPA Style 7 operation
- Maximum 99 nodes on network (each NIB occupies one node address)
- Network annunciators can send global ack, sil and reset commands
- Data is regenerated at each node
- Transmission rate of 312 Kb
- 12523A and 12526A mounts in a six gang box or 12411 surface box
- 12603A mounts in MPC-6000, MPC-7000 or RND-2 enclosure
- UL listed, MEA & CSFM pending and FM approved



Model 12523A Network Interface Board

Description

The Faraday MPC-Net2 network is a way to link Faraday MPC-6000 and MPC-7000 Fire Alarm Control units , RND-2 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 MPC-6000, MPC-7000 or RND-2. The network is wired from node to node in a daisy chained ring configuration for style 7 operation. 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. The 12535 & 12536 Fiber Optic Converters allow nodes to be connected via Fiber Optic Cable. The multi-mode converter 12535 is designed to use duplex 62.5/125 µm multi-mode fiber cable with ST connectors. The single mode converter 12536 is designed to use duplex 9/125 µm single mode fiber cable with SC connectors. The maximum loss allowed between each NIB with fiber converters is 10dB. A total of 99 NIBs can be connected on a network.

There are three versions of NIBs:

1. P/N 12523A is a NIB designed to connect to an RND-2, MPC-6000 and MPC-7000. The 12523A mounts outside of the enclosure.
2. P/N 12526A is a NIB with an isolated RS232 port. It is designed to connect printers and computers to the MPC-Net2.The computer may be used as a terminal.
3. P/N 12603A is designed to connect the MPC-6000 and MPC-7000 to the MPC-NET2 and mounts inside the enclosure of either the MPC-6000 or MPC-7000.

If MPC-7000 has both loop and signal expansion modules installed, you must use the 12523A as the 12603A will not fit in the enclosure.

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 model 12525 surge protector.

Specifications

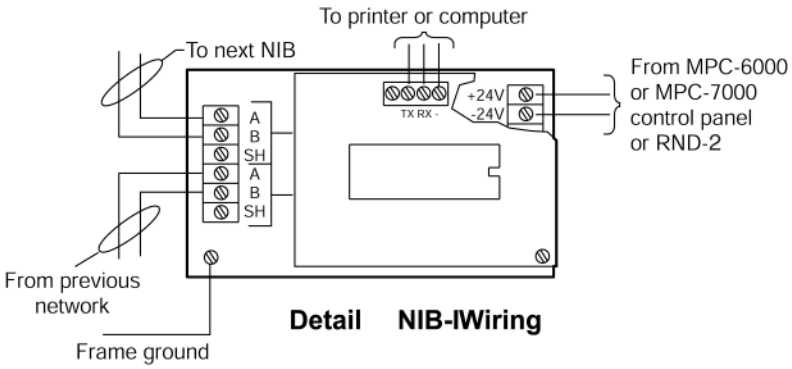
Connection Type
Category 5, Fiber Optic Cable

Maximum wire distance between nodes
3,000 ft. (Wire) 10dB (Fiber)

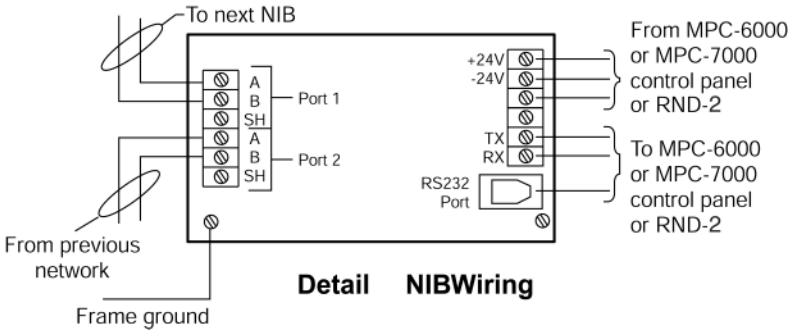
Data Rate
312K

Compatible Panels
Faraday MPC-6000, MPC-7000 and RND-2

Wiring

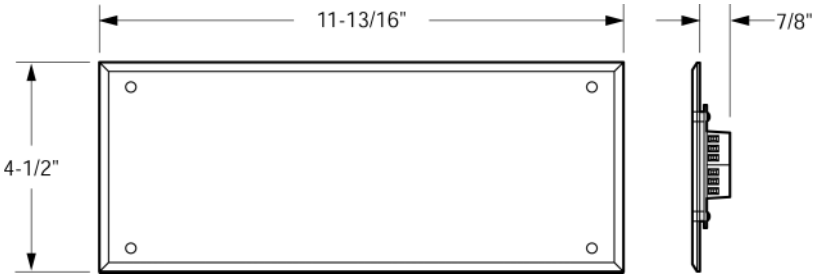


Detail NIB-IWiring



Detail NIBWiring

Dimensions



Ordering Information

Model	Description	Part No.
12523A	Network interface board, RND-2, MPC-6000 & MPC-7000 (Mounts externally)	500-649106FA
12526A	Network interface board w/isolated RS232	500-649105FA
12525	Surface backbox w/surge protection, red	500-699647FA
RND-2	RND-2 Network annunciator (spec sheet 9408)	599-649593FA
12411014	Surface back box, red	500-699639FA
12603A	Network interface board that mounts in the RND-2, MPC-6000 and MPC-7000 enclosure	500-649107FA
12535	Multi-Mode Fiber Converter	500-649109FA
12536	Single Mode Fiber Converter	500-649108FA

If MPC-7000 has both loop and signal expansion modules installed, you must use the 12523A as the 12603A will not fit in the enclosure.

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