



FNV-DP High Rise Voice Evacuation System Distributed Panel

Features:

- True Multiplex 6 Channel Distributed Audio
- Integrated Fire Phone, Area of Rescue and Fan & Damper Control capability
- Modular System - components added as needed
- Integrated 2 Channel Digital Message Repeater
- Live Microphone Page to any zone
- Fast RS-485 Communication Protocol
- Fully Supervised
- Easy Installation and Operation
- Natural Sound Voice Recordings
- Built in Alarm and Alert Signals
- Up to 4 Minute Message Capacity
- Works with 12VDC or 24VDC Fire Alarm Panel
- Works with Analog/Addressable and Microprocessor based Fire Alarm Panels.
- 3 Minute Message Restart on Microphone Key
- Made in the USA.

Description:

The Hochiki FNV High Rise Evacuation System operates in conjunction with the Fire Alarm Control Panel (FACP) in a building to provide automatic response to life safety emergencies.

The Hochiki FNV includes all necessary features to provide an effective voice evacuation system. The Hochiki FNV can be custom configured to satisfy the needs of any high rise application.

Fire department authorities can easily take command of evacuation or relocation procedures and emergencies. Building management and fire brigades can monitor and control emergency response even before the professionals arrive

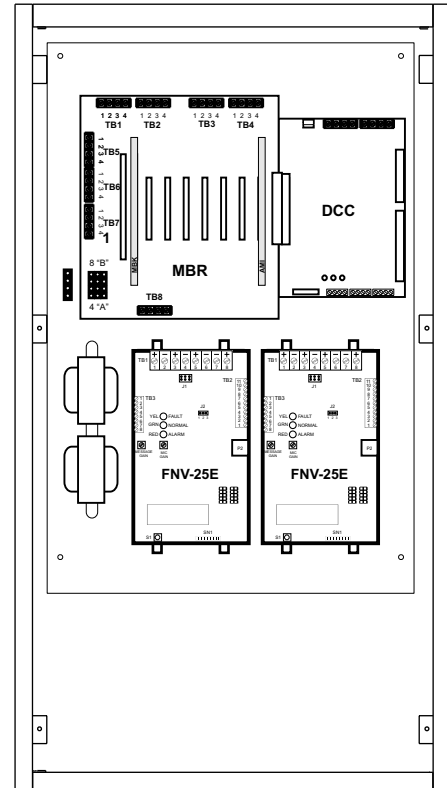
The FNV system includes capacity for 6 channels of simultaneous audio. This provides for evacuation, stay-in-place, or other public address announcements and automatic messages.

Fire Fighter Phones or Warden Stations may be included as required. Area-of-Rescue stations can reassure handicapped occupants that help is on the way. Smoke control, stair pressurization, and HVAC shutdown can be completely automatic, unless controlled manually by management or fire authorities.

MEA



LISTED



System Configuration:

Basic System Includes:

- Distributed Panel (FNV-DP)
- 4 Output Zones (may be configured for 8)
- Dual Channel Audio Interface
- Dual/Single Channel Amplification

Amplifier Options:

- 25 / 50 / 100W Dual Channel
- 25 / 50 / 100 / 200W Single Channel

Optional

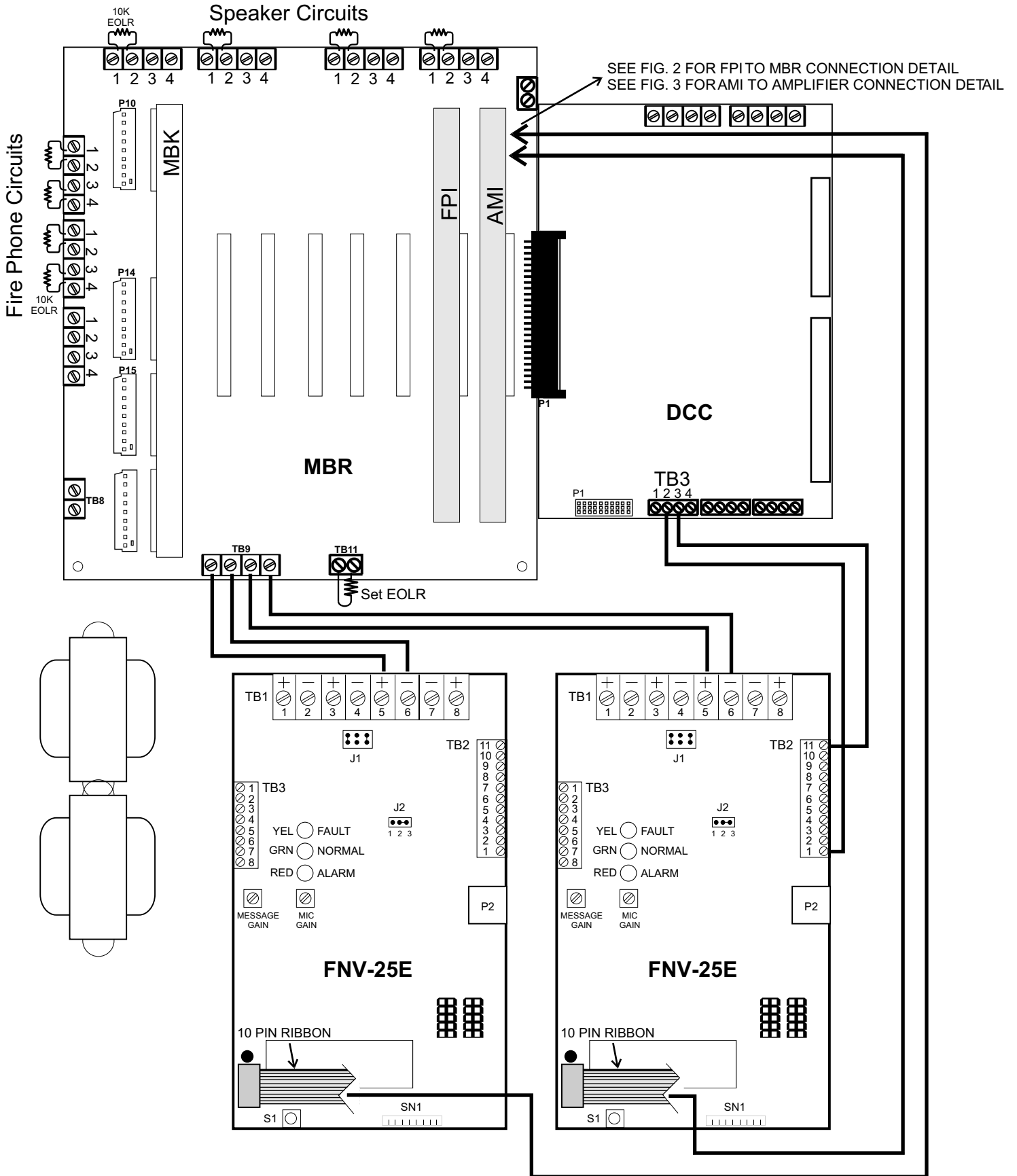
- Integrated Fire Phone
- 4 Circuits expandable to 8 or 12

- Area-of-Rescue
- Fan and Damper system control

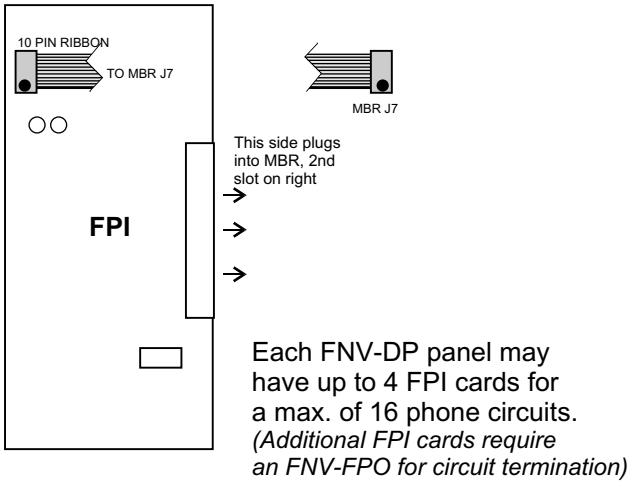
Maximum System Configuration

- Up to 256 Distributed Panels (FNV-DP)

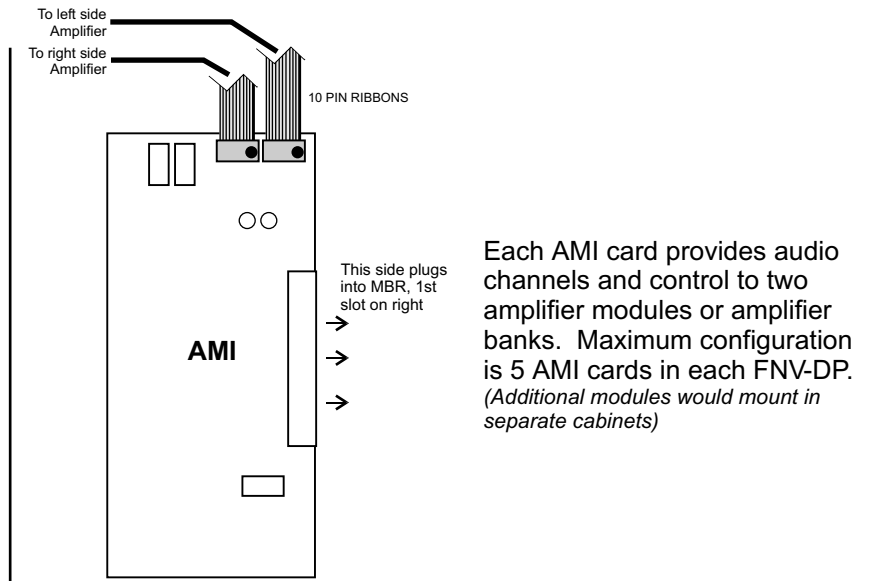
FNV Distributed Panel Connection Detail



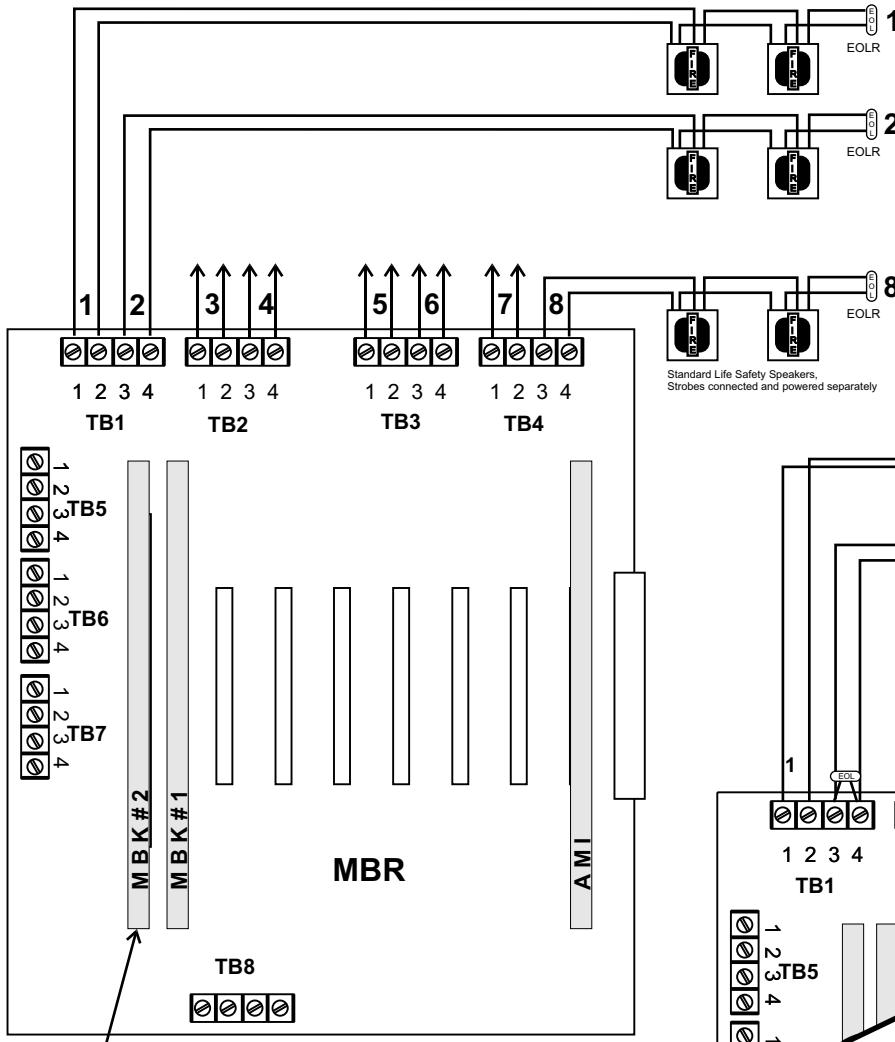
FPI to MBR Connection



AMI to Amplifier Connection

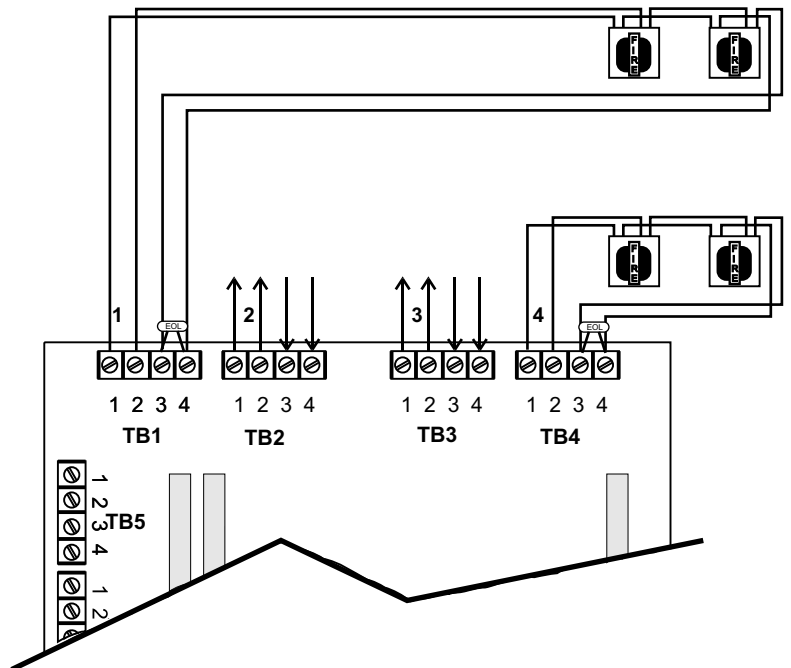


Eight Class "B" Speaker Lines



Eight Class "B" may also be configured as 4 A / B circuits

Four Class "A" Speaker Lines



Second FNV-MBK card provides additional speaker circuits
May be configured as several options

Distributed Panel Configurations:

FNV-DPS25	Distributed Panel, Single Channel, 25W
FNV-DPS50	Distributed Panel, Single Channel, 50W
FNV-DPS100	Distributed Panel, Single Channel, 100W
FNV-DPS25/P	Distributed Panel, Single Channel, 25W, Fire Phone
FNV-DPS50/P	Distributed Panel, Single Channel, 50W, Fire Phone
FNV-DPS100/P	Distributed Panel, Single Channel, 100W, Fire Phone
FNV-DP25	Distributed Panel, Dual Channel, 25W
FNV-DP50	Distributed Panel, Dual Channel, 50W
FNV-DP100	Distributed Panel, Dual Channel, 100W
FNV-DP25/P	Distributed Panel, Dual Channel, 25W, Fire Phone
FNV-DP50/P	Distributed Panel, Dual Channel, 50W, Fire Phone
FNV-DP100/P	Distributed Panel, Dual Channel, 100W, Fire Phone

Panel Options: *Cards may be added as job requirements demand*

FNV-MBK Motherboard Relay Card	Expands MBR output 8 Class B or 4 Class A speaker circuits
FNV-FPI Fire Phone Interface Card	Included in /P panels, up to 3 additional cards may be added
FNV-FPO Fire Phone Output Card	Used with additional FNV-FPIs for termination
FNV-AMI Audio Module Interface Card	Included with basic panel, additional cards give the ability to control multiple modules or accommodate full 3 channel operation

Technical Characteristics:

Primary Power: 120 VAC
24 VDC Battery Power

Electrical Ratings: All Circuits @ 24VDC.

Distributed Panel

	<u>Standby</u>	<u>Alarm</u>
DCC	55 mA	55 mA
MBR	10 mA	55 mA
AMI	10 mA	10 mA
FPI	13 mA	13 mA

Communications Bus: RS-485 Standard,
1M Baud data rate, Category 5 cable.

Voltage: 5V peak-to-peak max.
Current: 50mA max.
Impedance: 120 Ohms
(max. imp. between panels)
Frequency: 1.024MHz

Battery Charging: Maximum charging current from
FNV-25/50 is 800mA. Maximum battery size is 17Ahr.
FNV-100 Maximum battery size is 24Ahr.

Backbox Dim: 14.5 x 27 x 4" *w·h·d*
Color: Charcoal Grey·*std* Red·*optional*



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