

**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.

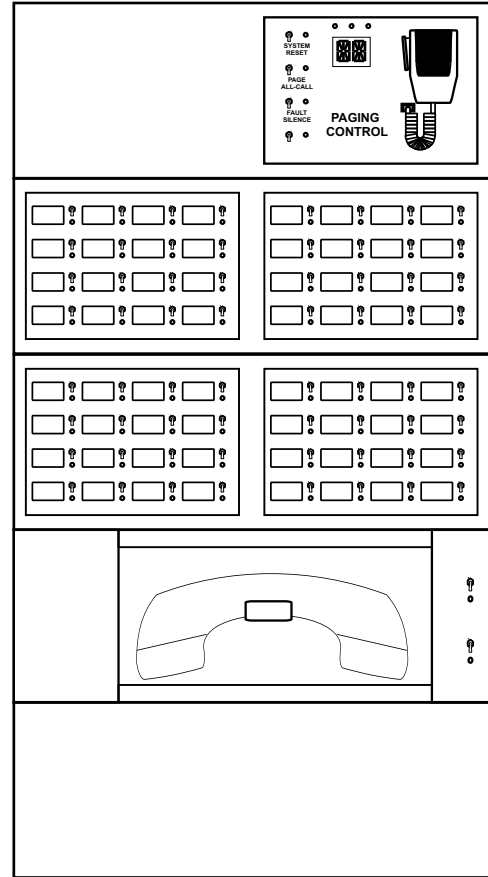
Fire department authorities can easily take command of evacuation or relocation procedures and emergencies. Building management and fire brigades can monitor and control emergency response even before the professionals arrive

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.



**FNV-MP**  
**High Rise Voice Evacuation System**  
**Master Panel**



**System Configuration:**

Basic System Includes:

- Master Panel (FNV-MP)
- Master Mic Control
- 16 Switch Control points
- Dual Channel DMR
- High Speed communication loop

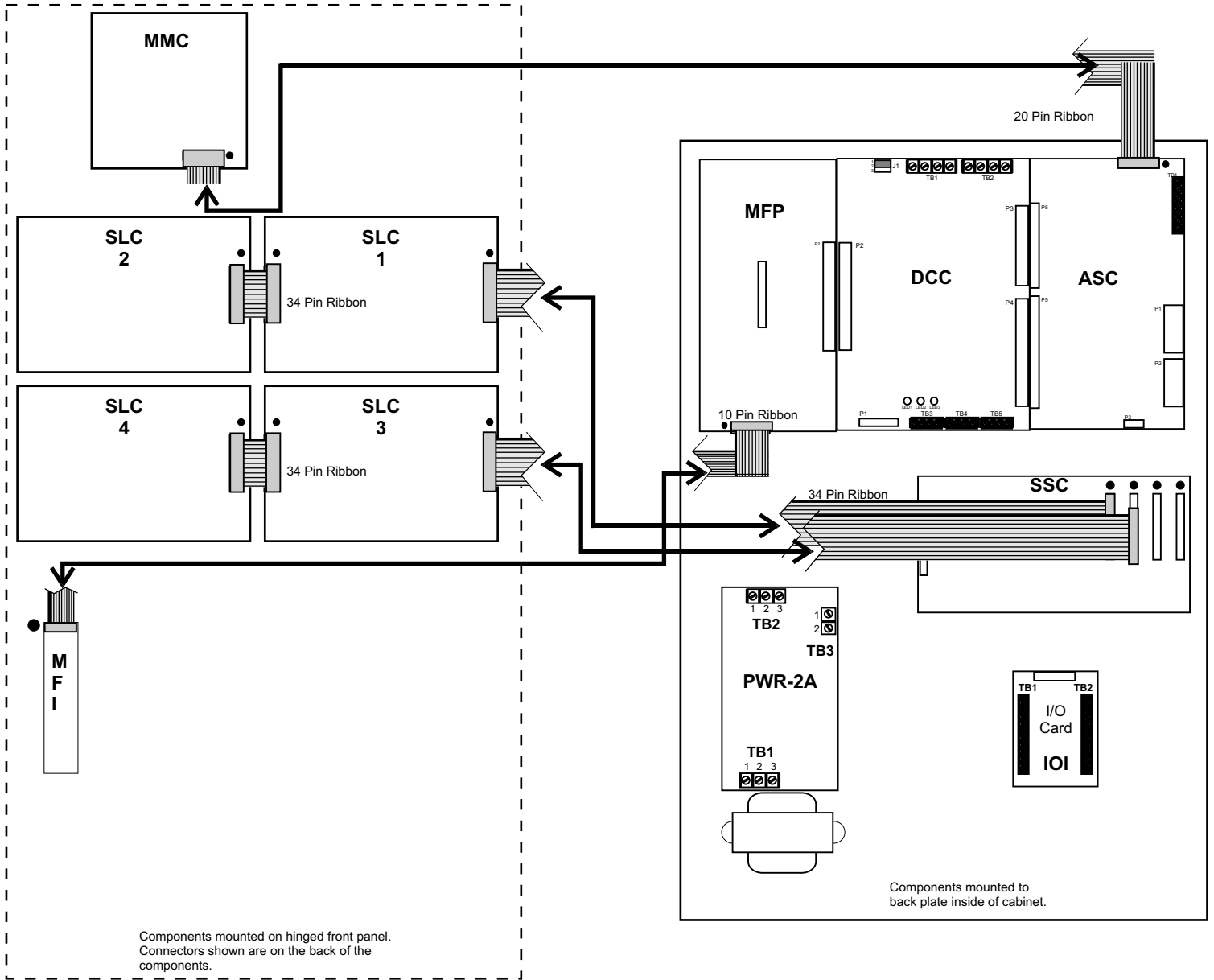
*Optional*

- Integrated Master Fire Phone
- Area-of-Rescue
- Fan and Damper system control

Maximum System Configuration

Up to 1000 monitor and control points

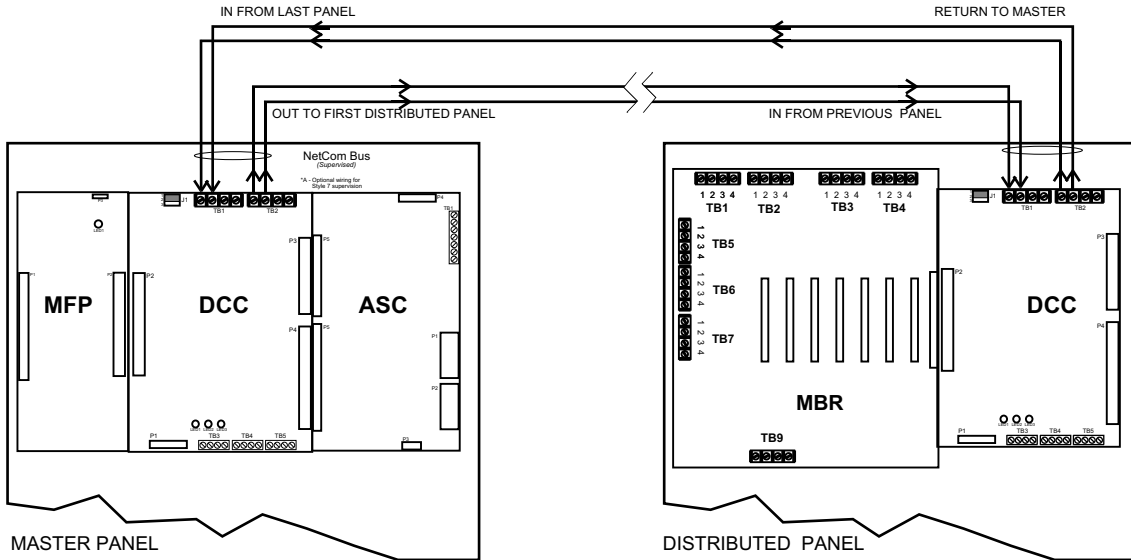
FNV MP64/P  
Master Panel  
Ribbon Cable Connection Detail



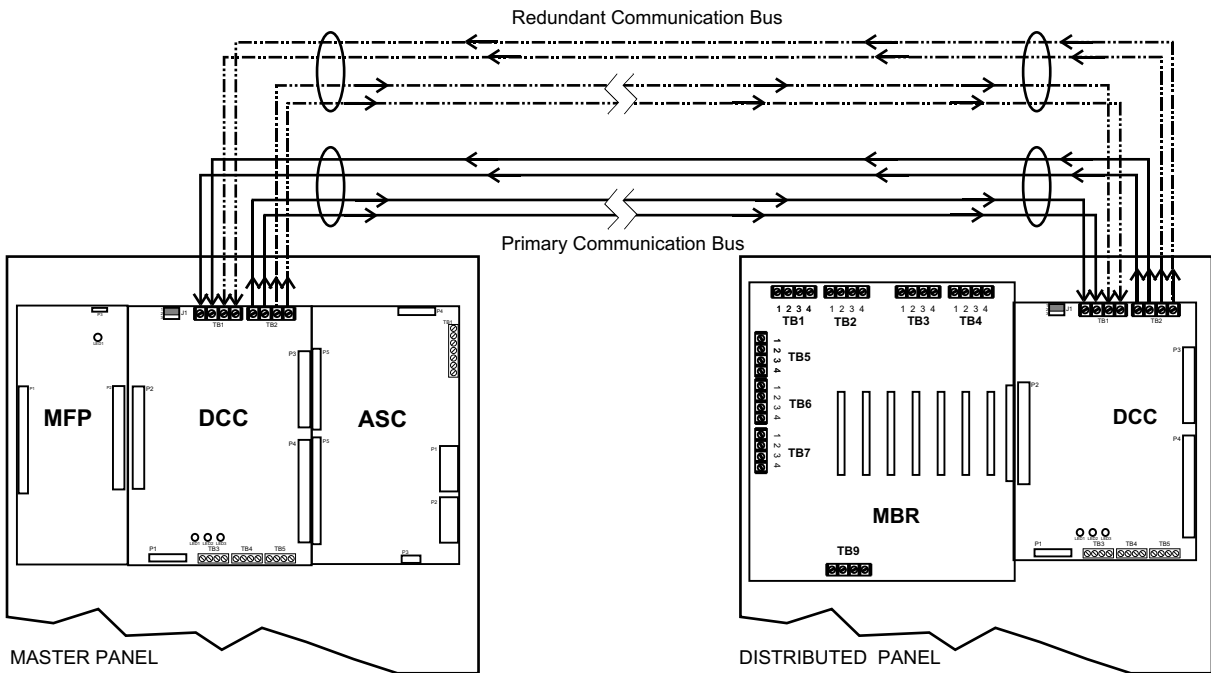
In the Master Panel system components are mounted to a removable back plate. The door and front panel are removable. This enables field wiring to be installed cleanly.

Connections to the User Interface components ( Switch/LED banks, Mic/System control and Master Fire Phone) is accomplished with ribbon cables. The front panel mounts separately on a continuous hinge so once installed the access for system programming is easily accommodated.

## NetComm Loop Wiring (Style 4)



## NetComm Loop Wiring (Style 7)



The redundant loop must be run in separate conduit with minimum spacing from the primary. Check local code requirements.

## Master Panel Configurations:

FNV-MP16	Master Panel, 16 Switch Control
FNV-MP32	Master Panel, 32 Switch Control
FNV-MP48	Master Panel, 48 Switch Control
FNV-MP64	Master Panel, 64 Switch Control
FNV-MP80	Master Panel, 80 Switch Control
FNV-MP96	Master Panel, 96 Switch Control

FNV-MP16/P	Master Panel, 16 Switch Control, Master Fire Phone
FNV-MP32/P	Master Panel, 32 Switch Control, Master Fire Phone
FNV-MP48/P	Master Panel, 48 Switch Control, Master Fire Phone
FNV-MP64/P	Master Panel, 64 Switch Control, Master Fire Phone
FNV-MP80/P	Master Panel, 80 Switch Control, Master Fire Phone
FNV-MP96/P	Master Panel, 96 Switch Control, Master Fire Phone

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

FNV-MFP Master Fire Phone	Enables system to incorporate 2 way communication. Included with /P panels.
FNV-SSC Switch Scan Card added.	Included in basic panels, up to 7 additional cards may be added.
FNV-SLC Switch LED Card	16 Switch LED Bank, up to 8 per FNV-SSC.
FNV-IOI Input Interface Card	One included with basic panel, additional cards give 16 control

## Technical Characteristics:

Primary Power: 120 VAC 24 VDC Battery Power		
Electrical Ratings: All Circuits @ 24VDC.		Communications Bus: RS-485 Standard, 1M Baud data rate, Category 5 cable.
<u>Master Panel</u>		Voltage: 5V peak-to-peak max. Current: 50mA max. Impedance: 120 Ohms (max. imp. between panels) Frequency: 1.024MHz
	<u>Standby</u>	<u>Alarm</u>
DCC	80 mA	80 mA
ASC	30 mA	30 mA
MFP	10 mA	10 mA
SSC	25 mA	25 mA
SLC	6 mA	6 mA
MMC	45 mA	45 mA
IOI	20 mA	20 mA
		Backbox Dim: 14.5 x 27 x 4" w•h•d Color: Charcoal Grey•standard Red•optional