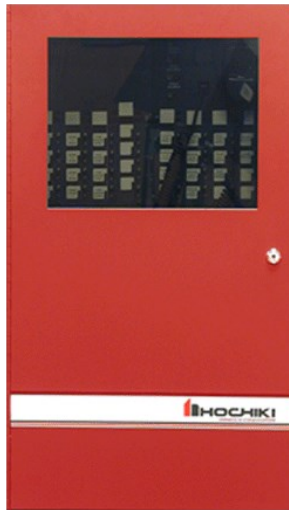# HOCHIKI

FNV-MP & FNV-DP   -   VOICE EVACUATION SYSTEM

DESCRIPTION

The Hochiki FNV High Rise Evacuation System operates in conjunction with the fire alarm control panel 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. It 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.

STANDARD FEATURES

- UL 864 9th Edition Listed
- True multiplex 6 channel distributed audio
- Integrated Fire Phone (optional)
- Modular system - components added as needed
- Integrated 2 Channel Digital Message Repeater
- Live microphone paging to any zones
- Fast RS-485 communication protocol
- Fully supervised
- Easy installation and operation
- Natural voice sound recordings
- Built-in alarm evacuation and alert signals
- Up to 4 minute message capacity
- Compatible with 12VDC or 24VDC fire alarm panels
- UL Listed to be integrated with FireNET® 2127/4127
- 3 minute message restart on microphone key
- Up to 256 distributed panels
- UL464 520Hz low frequency signal compliant

PRODUCT LISTINGS

SIGNALING
UL® LISTED
S5694

California State Fire Marshal
6911-0410:0175

Specifications subject to change without notice.

Find latest revision at **www.hochiki.com**

ISO 9001:2015 CERTIFIED

Assembled in the USA

FNV-MP & FNV-DP   -   VOICE EVACUATION SYSTEM

ENGINEERING

FNV-MP	
Model Configurations	FNVMP-AAA-B-CCC
Primary Power "CCC"	120VAC 50/60Hz
	240VAC 50/60Hz
Input Current	0.28 Amp @ 120VAC - Consult installation manual for calculations
Input Current (Battery)	0.28 Amp (typical load 0.4 Amp maximum load)
Battery Chairing Current	800mA
Battery Size (Maximum)	24VDC @ 18 AH AGM or gel cell
Battery Type	Two 12VDC AGM or gel cell (in series)
Number of Switches "AAA"	16/32/48/64/80/96/112/128*/144*/160*/176*/192*/208*/224*/256*/272*
Dimensions	14.5" W x 27" H x 4" D (*128 switch and larger Master Panels 2 X 14.5"W x 27"H x 4"D)
Color "B"	Red "R" or charcoal gray "C"

FNV-DP		
Model Configurations	FNVDP-AAA-B-C-DDD (dual channel) / FNVDPS-AAA-B-C-DDD (single channel)	
Primary Power "DDD"	120VAC 50/60Hz	
	240VAC 50/60Hz	
Amplifier Module Input Current (Primary)	EVX-25E-H: 0.8 A @ 120VAC 50/60Hz	0.40 A @ 240VAC 50/60Hz
	EVX-50E-H: 0.5 A @ 120VAC 50/60Hz	0.27 A @ 240VAC 50/60Hz
	EVX-100E-H: 1.0 A @ 120VAC 50/60Hz	0.53 A @ 240VAC 50/60Hz
Amplifier Module Output Power	EVX-25E-H: 25 Watts	
	EVX-50E-H: 50 Watts	
	EVX-100E-H: 100 Watts	
Amplifier Module Frequency Response	EVX-25E-H: 800 ~ 2800Hz	
	EVX-50E:-H 400 ~ 4000Hz	
	EVX-100E-H: 400 ~ 4000Hz	
Output Voltage	25/70 Vrms selectable	
Amplifier Module Input Current (Battery)	EVX-25E-H: 0.18 A standby	1.0 A Alarm
	EVX-50E-H: 0.13 A standby	1.0 A Alarm
	EVX-100E-H: 0.18 A standby	2.5 A Alarm
Battery Charging Current	800mA	
Battery Size (Maximum)	EVX-25E-H: 24VDC @ 7 AH	
	EVX-50E-H: 24VDC @ 18AH	
	EVX-100E-H: 24VDC @ 24AH	
Battery Type	Two 12VDC AGM or gel cell (in series)	
Number of Watts "AAA"	25/50/100/200 (200-watts single channel only)	
Phone Circuits "C"	P (example FNV-DP100RP220)	
Dimensions	14.5" W x 27" H x 4" D	
Color "B"	Red "R" or charcoal gray "C"	

WIRING DIAGRAM

NetComm Loop: Unshielded Twisted Pair, Single pair
18/2 or larger, Unshielded twisted pair (UTP)
FPL, FPLR, FPLP run in conduit