FIKEGUARD FGX HIGH RISE VOICE EVACUATION SYSTEM DISTRIBUTED PANEL

DESCRIPTION

The FikeGuard FGX 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 FikeGuard FGX includes all necessary features to provide an effective voice evacuation system. The FikeGuard FGX 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 FGX system includes capacity for 6 channels of simultaneous audio. This provides for evacuation, stay-in-place, or other public address announcements and automatic messages.
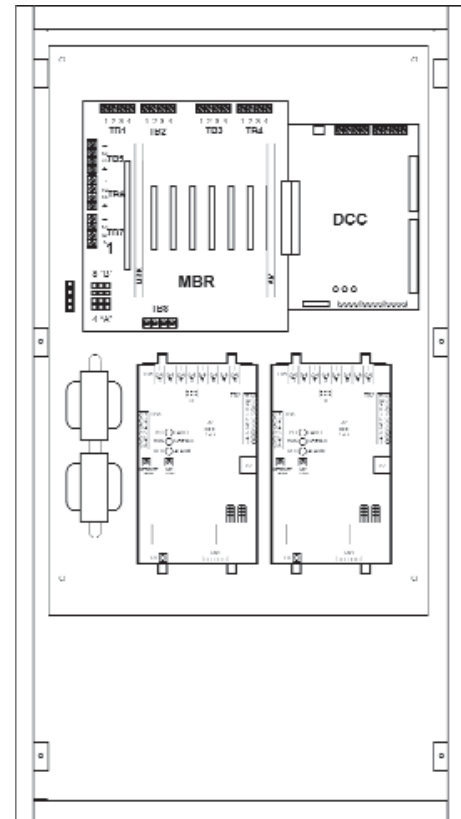
Fire Fighter Phones or Warden Stations may be included as required. Area-of-Rescue stations can reassure handicapped occupants that help is on the way. Smoke control, stair pressurization, and HVAC shutdown can be completely automatic, unless controlled manually by management or fire authorities.

APPROVALS
* UL Listed
* MEA: pending
* CSFM: pending

P/N 24-013 through 24-024

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
* 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

SYSTEM CONFIGURATION
Basic System Includes:

Distributed Panel (FG-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 Master Fire Phone
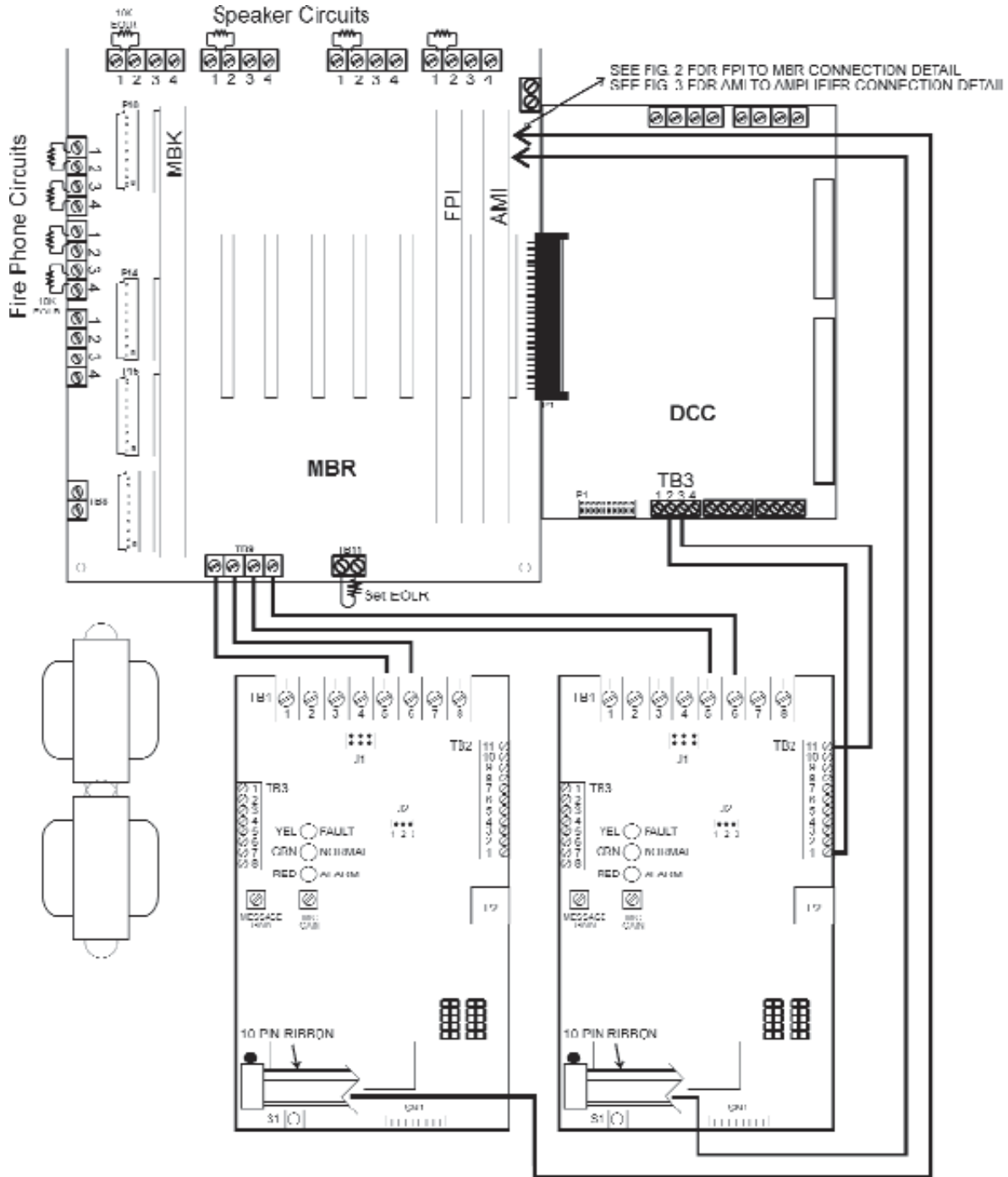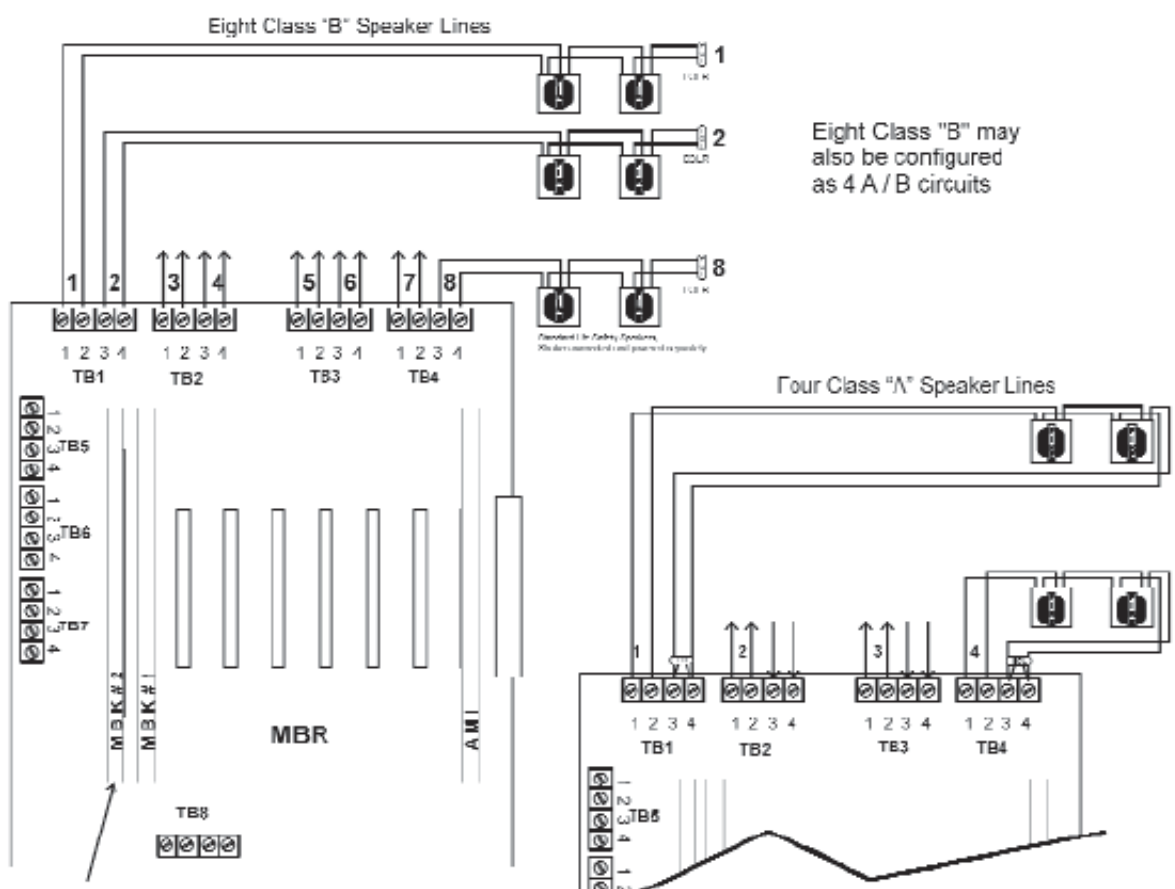 4 Circuits expandable to 8 or 12
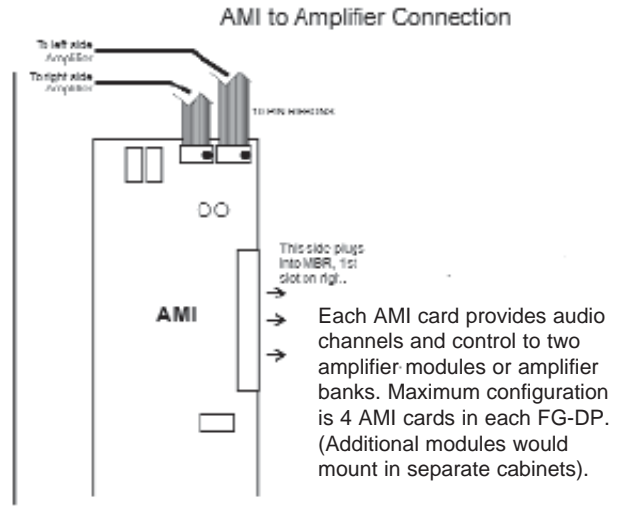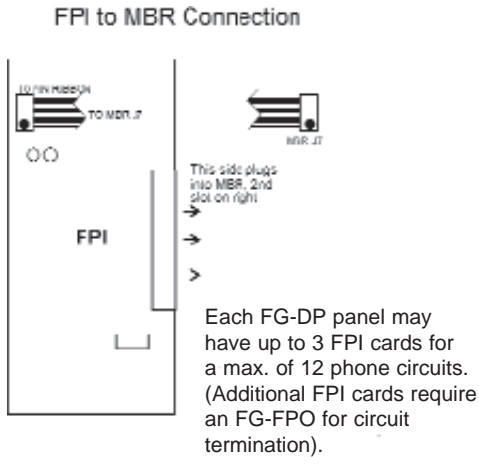
Area-of-Rescue
  Fan and Damper system control
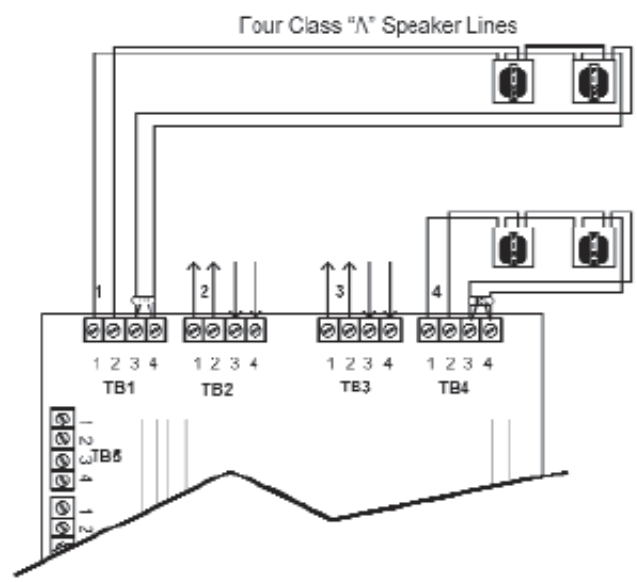
Maximum System Configuration
  Up to 256 Distributed Panels (FGX-DP)

Form No. P.1.46.01

FGX DISTRIBUTED PANEL CONNECTION DETAIL

FPI to MBR Connection

Each FG-DP panel may have up to 3 FPI cards for a max. of 12 phone circuits. (Additional FPI cards require an FG-FPO for circuit termination).

AMI to Amplifier Connection

Each AMI card provides audio channels and control to two amplifier modules or amplifier banks. Maximum configuration is 4 AMI cards in each FG-DP. (Additional modules would mount in separate cabinets).

Eight Class "B" Speaker Lines

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

Four Class "A" Speaker Lines

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

DISTRIBUTED PANEL CONFIGURATIONS

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

PANEL OPTIONS: CARDS MAY BE ADDED AS JOB REQUIREMENTS DEMAND

FG-MBK	Motherboard Relay Card	Expands MBR output 8 Class B or 4 Class A circuits
FG-FPI	Fire Phone Interface Card	Included in /P panels, up to 2 additional cards may be added
FG-FPO	Fire Phone Output Card	Used with additional FG-FPIs for termination
FG-AMI	Audio Module Interface Card	Included with basic panel, additional cards give the ability to control multiple modules or accommodate full 6 channel operation

TECHNICAL CHARACTERISTICS

Primary Power: 120 VAC
24 VDC Battery Power

Electrical Ratings:All Circuits @ 24VDC.

Distributed Panel

	Standby	Alarm
DCC	55 mA	55 mA
MBR	10 mA	10 mA
AMI	10 mA	10 mA
FPI	13 mA	13 mA

Battery Charging: Maximum charging current from
FGX-25/50 is 800mA. Maximum battery size is 17Ah

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
Backbox Dim: 14.5 x 27 x 4" w h d
Color: Red