

FIKEGUARD FGX HIGH RISE VOICE EVACUATION SYSTEM MASTER 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.



P/N 24-001 through 24-012

APPROVALS

- UL Listed
- MEA: pending
- CSFM: pending

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:

- Master Panel (FG-MP)
- Master Mic Control
- 16 switch control points
- Dual Channel DMR
- High speed communication loop

Optional

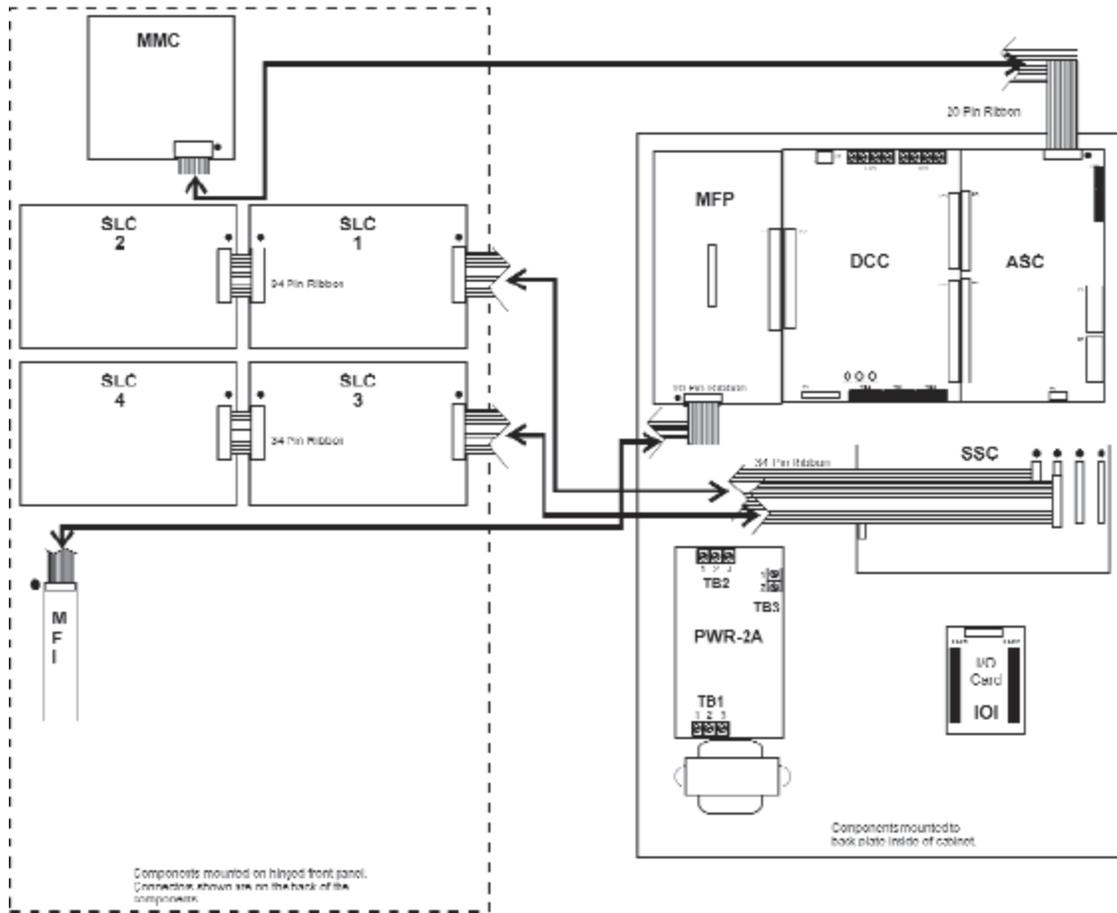
- Integrated Master Fire Phone
- Area-of-Rescue
- Fan and Damper system control

Maximum System Configuration

And up to 1000 monitor and control points

Form No. P.1.45.01

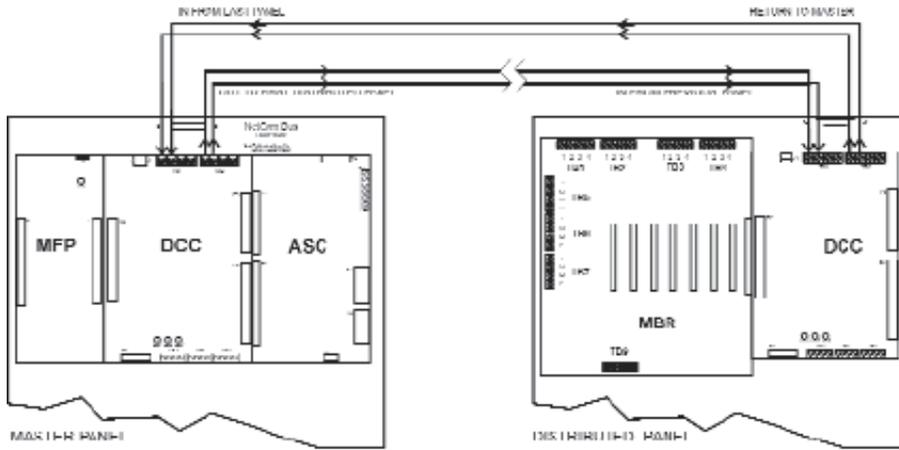
FGX MP64/P MASTER PANEL RIBBON CABLE CONNECTION DETAIL



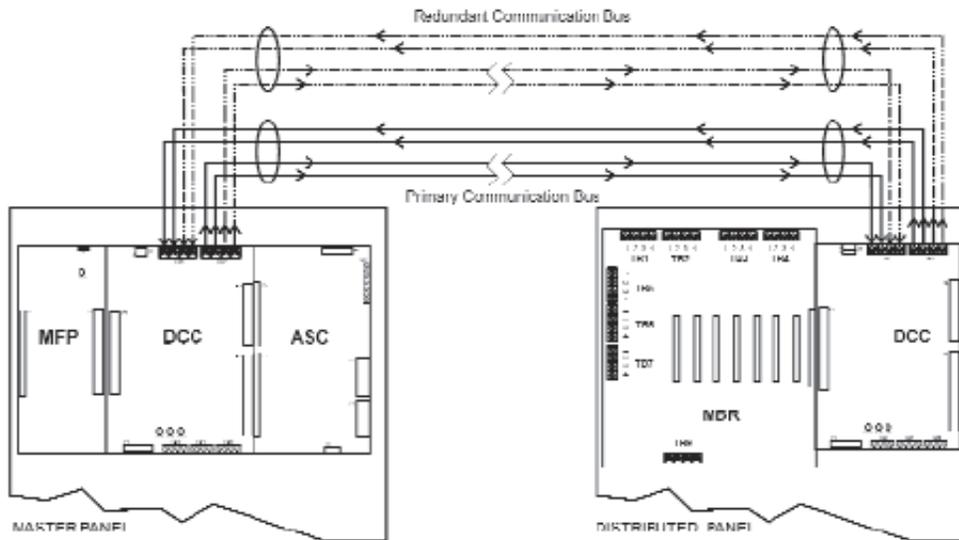
In the Master Panel system components are mounted to a removable back plate. The door and front panel are removable. This enables field wiring to be installed cleanly.

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

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

PANEL OPTIONS: CARDS MAY BE ADDED AS JOB REQUIREMENTS DEMAND

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

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.

Master Panel

	<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

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

