FIRE COMMAND CENTER DIGITAL PAGING ASSEMBLY

FCC DIGITAL PAGING CARD (P/N 10-2727)

PAGING CONTROL

FIRE COMMAND CENTER

PAGING SOURCE

FCC PAGING CONTROL CARD (P/N 10-2741)

FCC MICROPHONE HOUSING (P/N 10-2757)
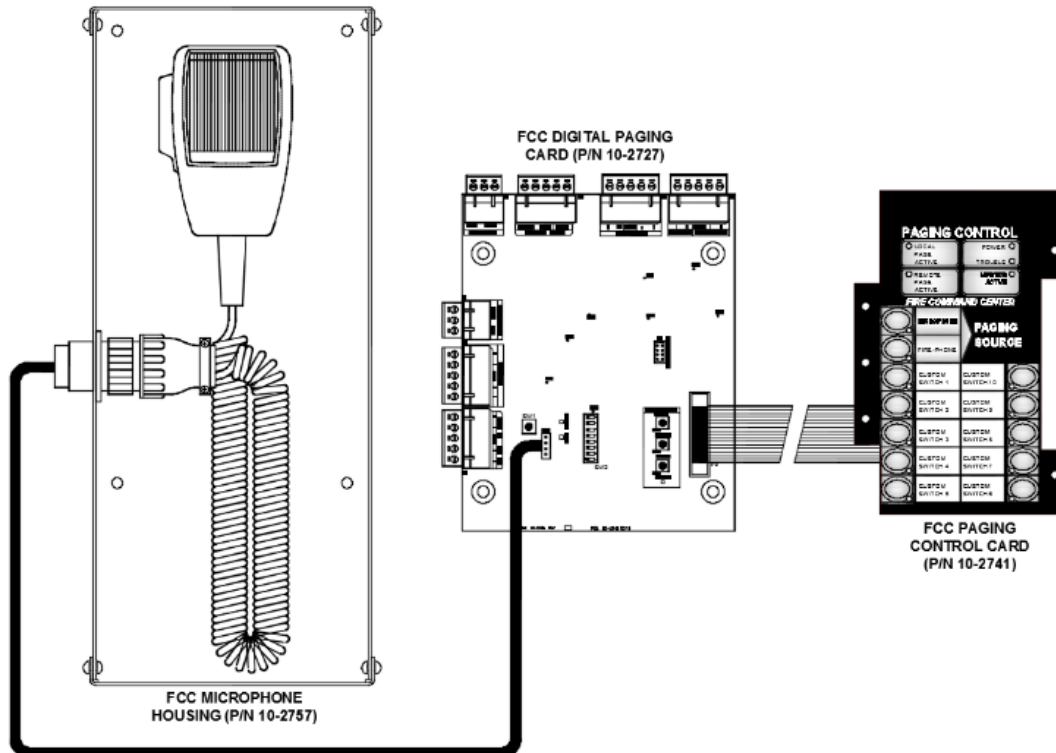
Features

- Primary audio component of the Fike Emergency Communication System (ECS).

- Delivers optimum sound quality through a Class A audio network riser.

- Includes a Class A or B telephone riser.

- Compatible with CyberCat® 254 and 1016 panels (firmware v5.xx and higher).

Approvals

Underwriters Laboratories (UL)
Factory Mutual (FM)
California State Fire Marshal (CSFM)
New York Certificate of Approval (COA)

For exact certification listings, please reference the respective agency web site.

General

The FCC Digital Paging Assembly is the primary component of Fike's Emergency Communication System (ECS). It is the primary source of live audio messages distributed by the ECS system. The assembly includes an FCC Digital Paging Card, FCC Paging Control Card, and FCC Microphone Housing, all of which are mounted within the fire command center enclosure.

The FCC digital paging card provides the primary connection points for the ECS systems audio network riser, firefighter's telephone riser, integral paging microphone, and integral firefighter's telephone. The card also provides an audio input that facilitates the connection of a Mass Notification System (MNS) to the Fike ECS system for broadcasting emergency MNS events.

This document is only intended to be a guideline and is not applicable to all situations.
Information is subject to Fike's full disclaimer at http://www.fike.com/disclaimer.

Paging Control Card

The paging control card provides the following LED status indicators that allows the system operator to observe the status of the emergency communication system.

Switch/LED	LED Color	Function
Local Page Active LED	Green	• Illuminates solid when control panel acknowledges switch press. • Turns off when page is cancelled via switch press or when a remote page with same or higher priority is initiated.
Remote Page Active LED	Red	• Illuminates solid when control panel acknowledges switch press. • Turns off when page is cancelled via switch press or when a local page with same or higher priority is initiated.
Power LED	Green	• Illuminates solid to indicate presence of power on FCC digital paging card.
Trouble LED	Yellow	• Blinks to indicate presence of trouble event associated with FCC digital paging card. • Illuminates solid when trouble event is acknowledged at associated control panel. • Turns off when trouble event clears.
MNS/ECS Active LED	Red	• Illuminates solid when control panel acknowledges activation of MNS contact input on FCC digital paging card (P4), or when switch assigned to an MNS function is pressed. • Turns off when contact monitor input is no longer active (non-latching), MNS reset is pressed, or MNS button is pressed a second time to cancel function.
Microphone Switch and LED	Red	• Selects FCC microphone as active paging source (default selection). ○ Associated LED illuminates solid to indicate switch active state. • LED turns off when fire-phone page switch selected.
Fire-Phone Switch and LED	Red	• Selects FCC fire-phone as active paging source (local or remote phones). • Associated red LED illuminates solid to indicate switch active state. • LED turns off when microphone page switch selected.

The paging control card provides ten (10) configurable switches with LED status indicators that allow the system operator to manually initiate live voice commands (paging) and manual messages via the emergency communication system.

Command Option	LED Color	Function
Voice Alert	Red	• Places selected zone(s) into "alert" state, assigned alert message plays.
Voice Evac	Red	• Places selected zone(s) into "evacuation" state, assigned EVAC message plays.
Voice or MNS Page	Red	• Initiates page to selected zone(s) via system microphone or fire phone.
Voice or MNS Record Page (by zone)	Red	• Initiates a record-and-repeat page to the selected zone(s). • Uses the system microphone or fire phone to deliver live audio message to selected zone(s). ○ Message will be recorded and repeated over and over until canceled or over-written.
Voice Page to Alert	Red	• Initiates page to all active alert zone(s).
MNS Reset	Red	• Resets MNS system (voice events not affected).
MNS Silence	Red	• Silences active MNS events (voice events not affected).

Specifications

Mounting	
Options	Firefighter's Telephone Housing
Ambient Temperature	0 - 49°C (32 - 120°F)
Ambient Humidity	93% Non-condensing @ 32°C
Power Input	15-30 VDC
Current Rating	103 mA standby (power LED on) 140 mA alarm (all LEDs on)
Peripheral Bus	
Configuration	Class A or B (no T-tapping)
Format	RS485
Maximum Length	4000 ft. (1,219 M) between devices
Maximum Resistance	96 ohms
Termination	100 ohm, Class B only
Wire Type	Belden 9841 or equal
MNS Line Level	
Input Level	1VPP
Operation	Triggered by MNS contact
MNS Contact	
Rating	5 VDC @ 2.1 mA
Ground Fault	0 ohms max impedance
Termination	4.7K EOL
Configuration	Normally open or closed
Audio Network	
Configuration	Class A
Format	RS485
Maximum Length	4000 ft. (1,219 M) between devices
Wire Type	Belden 9841 or equal
Maximum No. of Devices	128 connected components
Phone Riser	
Rating	24 VDC
Configuration	Class A or B (no T-tapping), 10K EOL
Format	RS485
Maximum Resistance	50 ohms per leg
Maximum Capacitance	0.5µF
Wire Type	Belden 5100FE or equal
Maximum No. of Devices	5 remote phones + local FCC handset

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Ordering Information

Fike P/N	Description
10-2751-R	Red Digital Paging Assembly
10-2751-B	Black Digital Paging Assembly
Spare Parts (items included in digital paging assembly)	
10-2727	FCC Digital Paging Card
10-2741	FCC Paging Control Card
10-2757-R	FCC Microphone Housing (Red)
10-2757-B	FCC Microphone Housing (Black)
10-2764	Cable, Digital Paging Card

ISO 9001:2015 Certified