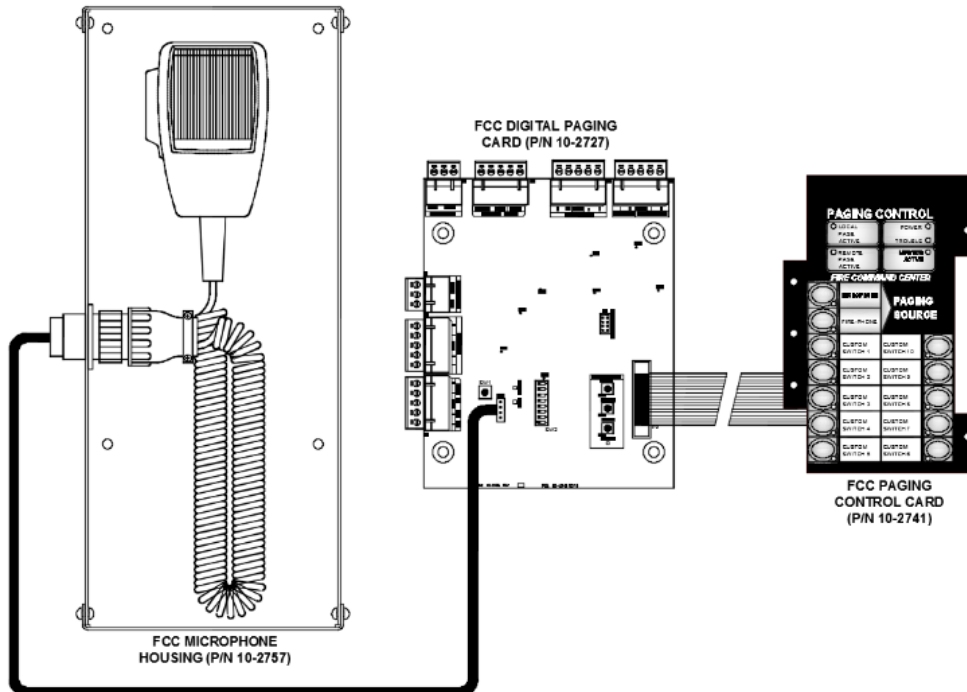


FIRE COMMAND CENTER DIGITAL PAGING ASSEMBLY



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

This assembly is the sole source of the Fike ECS audio network riser and works in tandem with a wide-area mass notification system (MNS) to broadcast emergency events. The assembly is essential to proper communication of emergency events, and it is the only source for the firefighter's telephone riser. Included in the assembly are an FCC Digital Paging Card, FCC Paging Control Card, and FCC Microphone Housing; switches to reset or silence a pre-recorded and stored message are optional. Switches on the assembly paging control card can be configured to initiate pre-recorded MNS messages over system amplifiers, should an event occur. Status LEDs provide visual feedback when communications are in process.

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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
Circuit Length	4000 ft. (1,219 M) max between devices
Circuit Resistance	96 ohms max
Circuit 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
Circuit Length	4000 ft. (1,219 M) max between devices
Wire Type	Belden 9841 or equal
Devices	128 max connected components
Phone Riser	
Rating	24 VDC
Configuration	Class A or B (no T-tapping), 10K EOL
Format	RS485
Circuit Resistance	50 ohms max per leg
Circuit Capacitance	0.5µF max.
Wire Type	Belden 9841 or equal
Devices	Max 5 remote phones + local handset

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Paging Control Card

Switch/Component	Color	Function
Local Page Active	Green	<ul style="list-style-type: none"> • 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	Red	<ul style="list-style-type: none"> • 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	Green	<ul style="list-style-type: none"> • Illuminates solid to indicate presence of power on FCC digital paging card.
Trouble	Yellow	<ul style="list-style-type: none"> • 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	Red	<ul style="list-style-type: none"> • 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	Red	<ul style="list-style-type: none"> • Selects FCC microphone as active paging source (default selection). <ul style="list-style-type: none"> ○ Associated LED illuminates solid to indicate switch active state. • LED turns off when fire-phone page switch selected.
Fire-Phone	Red	<ul style="list-style-type: none"> • 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.
Local Audible Silence	Red	<ul style="list-style-type: none"> • Illuminates solid to indicate local piezo silenced on LOC digital paging card, if active. • Turns off when trouble event is cleared. • Initiates programmed voice/MNS command to assigned zone(s). (See Custom Command Options section below for details.) <ul style="list-style-type: none"> ○ Associated LED flashes until control panel acknowledges button press based on switch priority level. ○ Associated LED illuminates solid to indicate zone(s) in active state. ○ Associated LED flashes and then returns to current operational state (on or off) if command is <u>not</u> received by control panel, or if a switch/input of higher priority is active. • Sends cancel command to control panel when switch is pushed a second time. <ul style="list-style-type: none"> ○ Associated LED flashes until control panel acknowledges button press based on switch priority level. ○ Associated LED turns off.
Custom Command Options		
Voice Alert	Red	<ul style="list-style-type: none"> • Places selected zone(s) into “alert” state, assigned alert message plays.
Voice Evac	Red	<ul style="list-style-type: none"> • Places selected zone(s) into “evacuation” state, assigned EVAC message plays.
Voice or MNS Page	Red	<ul style="list-style-type: none"> • Initiates page to selected zone(s) via system microphone or fire phone.
Voice or MNS Record Page (by zone)	Red	<ul style="list-style-type: none"> • 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). <ul style="list-style-type: none"> ○ Message will be recorded and repeated over and over until canceled or over-written.
Voice Page to Alert	Red	<ul style="list-style-type: none"> • Initiates page to all active alert zone(s).
MNS Reset	Red	<ul style="list-style-type: none"> • Resets MNS system (voice events not affected).
MNS Silence	Red	<ul style="list-style-type: none"> • Silences active MNS events (voice events not affected).

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Ordering Information

Fike P/N	Description
10-2751-R	Red Digital Paging Assembly
10-2751-B	Black Digital Paging Assembly
Included components in both assemblies:	<ul style="list-style-type: none">• FCC Digital Paging Card• FCC Paging Control Card• FCC Microphone Housing• FCC Interface Cable Assembly
Spare Parts	
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

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