

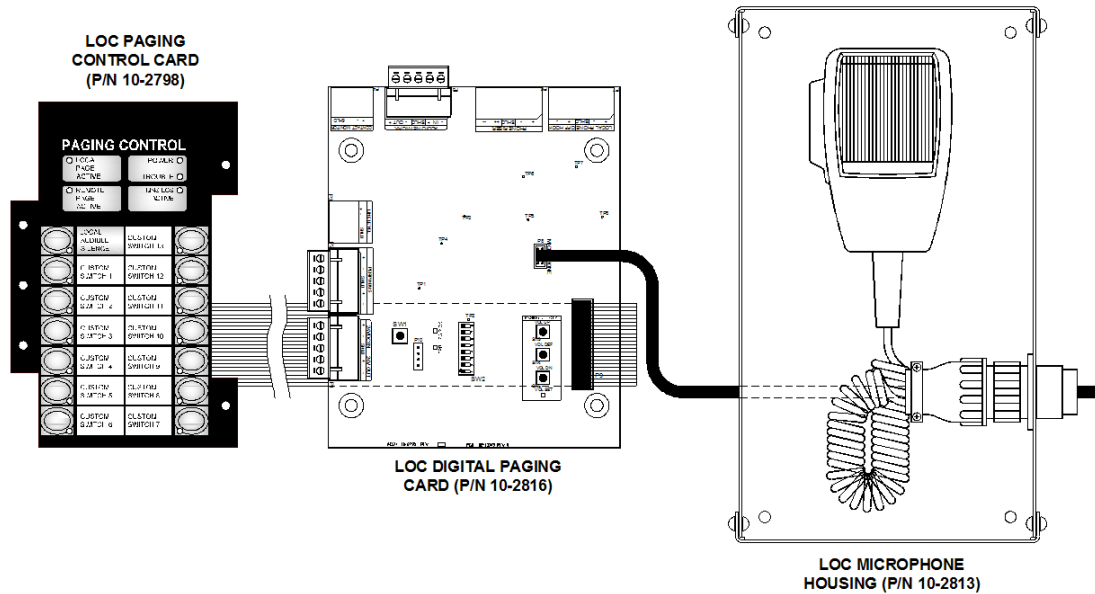
LOCAL OPERATING CONSOLE DIGITAL PAGING ASSEMBLY

APPROVALS:

- UL - S3217

DESCRIPTION

The LOC Digital Paging Assembly (P/N 10-2814) provides remote paging and voice control capabilities for Fike's Emergency Communication System (ECS). It is the primary component used in Fike's Local Operating Consoles (LOC). The assembly includes the LOC Digital Paging Card (P/N 10-2816), LOC Paging Control Card (P/N 10-2798) and the LOC Microphone Housing (P/N 10-2813). The assembly connects to the emergency communication systems audio network riser, which allows it to distribute live audio signals (paging) to the system amplifiers.



FEATURES

- Compatible with CyberCat® 50, 254 and 1016 panels (firmware v6.xx and higher)
- Class A audio network riser
- Remote microphone connection
- Voice system status LEDs
- Remote paging controls

SPECIFICATIONS

Mounting: Local Operating Console Enclosures (P/N 10-2793 & 10-2796)

Ambient Temp: 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)

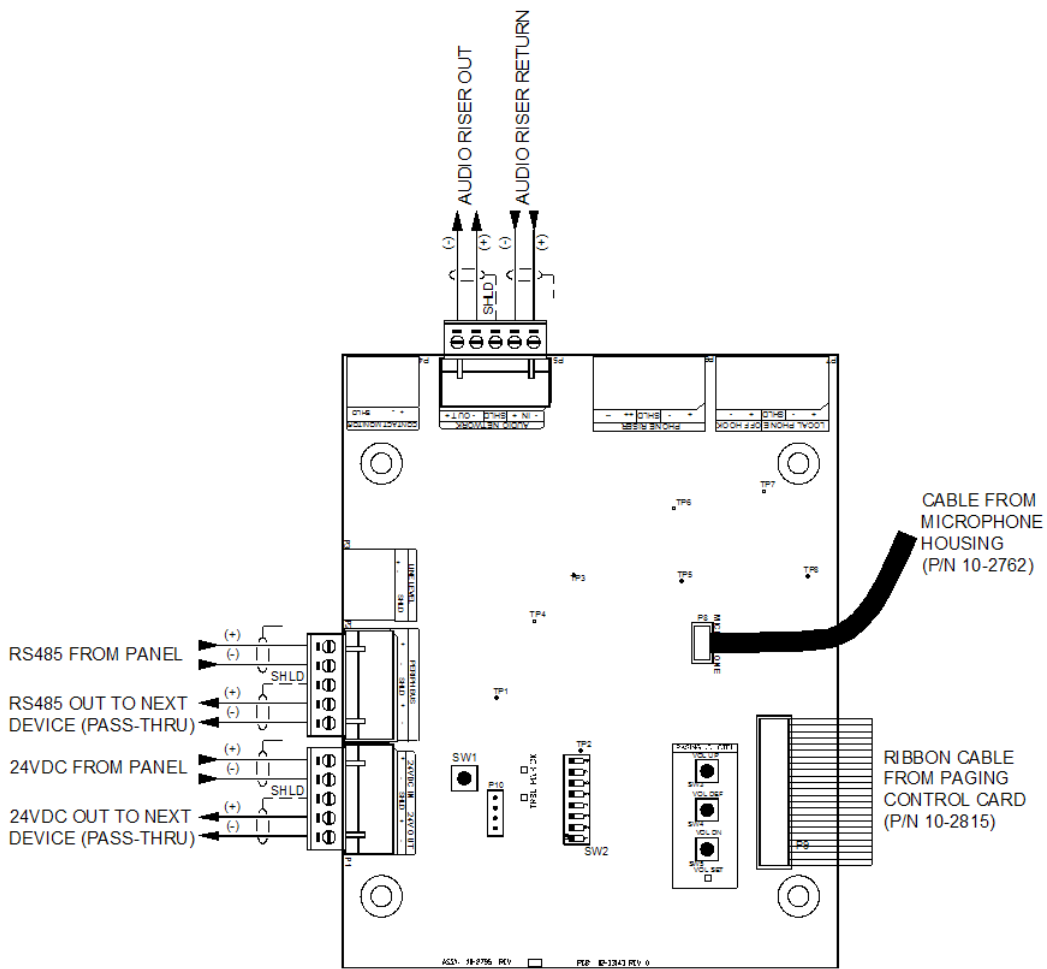
Peripheral Bus

Configuration: Class A or B (no t-tapping)
 Format: RS485
 Circuit Length: 4000 ft. (1,219 M) max panel to last device
 Circuit Resistance: 96 ohms max.
 Circuit Termination: 100 ohm termination resistor (P/N 02-2519), Class B only
 Wire Type: Belden 9841 or equal

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 maximum number of connected components

WIRING DIAGRAM



PAGING CONTROL CARD

The LOC digital paging assembly's paging control card provides the basic indicators and control switches that are necessary to deliver live voice commands (paging) and manual messaging to the emergency communication system (ECS).

Local Page Active LED (green):	<p>Illuminates solid when the control panel has acknowledged the page switch press for paging activation. Will turn off when the page is cancelled via switch press or a remote page with same or higher priority is initiated.</p>
Remote Page Active LED (red):	<p>Illuminates solid when the control panel has acknowledged the page switch press for paging activation from a remote location. Will turn off when the page is cancelled via switch press or a local page with same or higher priority is initiated.</p>
Power LED (green):	<p>Illuminates solid to indicate the presence of power on LOC digital paging card.</p>
Trouble LED (yellow):	<p>Blinks to indicate the presence of any trouble event associated with the LOC digital paging card. Will illuminate solid if the event is acknowledged at the associated control panel. Will turn off when the trouble event is cleared.</p>
MNS/ECS Active LED (red):	<p>Illuminates solid when the control panel has acknowledged the activation of the MNS contact input on the FCC digital paging card (P4) or a switch assigned to an MNS function has been pressed. Will turn off when the contact monitor input is no longer active (non-latching), MNS reset is pressed or the MNS button is pressed again to cancel the function.</p>
Local Audible Silence Switch (red LED):	<p>Pressing the switch silences the local piezo on the LOC digital paging card, if active. The associated LED illuminates solid to indicate that the local piezo was silenced. Will turn off when the trouble event is cleared.</p> <p>Pressing the switch initiates the programmed Voice/MNS command to the assigned zone(s). See command options below for details. The associated red LED will flash until the control panel acknowledges the button press, which is based on the priority level of the switch; then the associated LED will illuminate solid to indicate that the zone(s) are in the active state. If the command is not received by the control panel or if a switch or input of higher priority is active, the associated LED will flash and then will return to its current operational state (on or off).</p> <p>Pressing the switch again will send a cancel command to the control panel. The associated red LED will flash until the control panel acknowledges the button press, which is based on the priority level of the switch; then the associated LED will turn off.</p>
Custom Switch (red LED):	<p><u>Voice Alert (by zone)</u> - places selected zone(s) into the Alert state. Assigned Alert message will be played in selected zone(s).</p> <p><u>Voice EVAC (by zone)</u> - Places selected zone(s) into the Evacuation state. Assigned EVAC message will be played in selected zone(s).</p> <p><u>Voice or MNS Page (by zone)</u> - Initiates page to selected zone(s). use the system microphone or fire-phone to deliver live audio message to selected zone(s).</p> <p><u>Voice or MNS Play Message ID (by zone)</u> - Places selected message ID(s) to selected zone(s).</p> <p><u>Voice Page to Alert</u> - Initiates a page to all active Alert zone(s).</p> <p><u>MNS Reset</u> - Resets the MNS system. Voice events are not affected.</p> <p><u>MNS Silence</u> - Silences the active MNS events. Voice events are not affected.</p>

ORDERING INFORMATION

File P/N	Description
10-2814-1-0-01-0-1-01	Local Operating Console Digital Paging Assembly
Local Operating Console Digital Paging Assembly Includes:	
Local Operating Console Digital Paging Card	
Local Operating Console Paging Control Card	
Local Operating Console Microphone Housing	
Local Operating Console Interface Cable Assembly	
Spare Parts	
10-2816	Local Operating Console Digital Paging Card
10-2798	Local Operating Console Paging Control Card