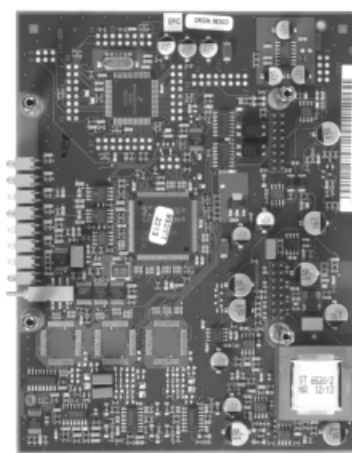


FireFinder® XLS / XLSV

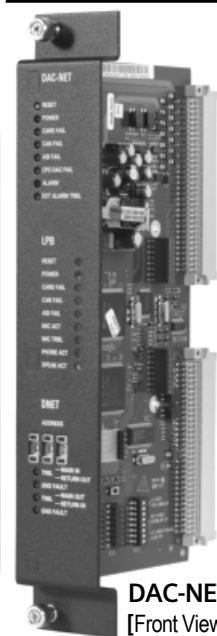
Digital Audio Card and Local Page Board Models DAC-NET and LPB

ARCHITECT AND ENGINEER SPECIFICATIONS

- Audio signal source
- On-board microprocessor
- Built-in, ground-fault detection
- Transmits eight (8) audio channels
- Programmable, custom messages or tones
- Five (5) minutes of message / tone-storage memory
- Provides communication of 99 types, max., of the following modules, via the CAN bus:
 - SCM-8 ▪ LCM-8
 - FCM-6 ▪ FMT
 - TZC-8B ▪ LVM
 - ZAC-40 ▪ ZAM-180
- 'Class B' (Style 4) via two (2) pairs of wires
- 'Class A' (Style 7) via four (4) pairs of wires



LPB
[Side View]



DAC-NET
[Front View]

- **UL 864 9th Edition Listed & ULC Listed;**
FM, CSFM & NYC Fire Department Approved

Product Overview

The Digital Audio Card (Model DAC-NET) provides the audio source for the FireFinder XLS Voice Evacuation System, and provides D-NET network communication to and from the Person Machine Interface (Model PMI) and between enclosures.

Model DAC-NET is capable of transmitting eight (8) digital channels of audio, via two (2) pairs of wire. One (1) DAC-NET is required in each XLS Voice enclosure, and can be wired 'Class A' (Style 7) – four (4) pairs of wires, or 'Class B' (Style 4) – two (2) pairs of wires.

Additionally, Model DAC-NET, which plugs into one (1) slot in the Model CC-5 or Model CC-2 Card Cage, has on-board light-emitting diodes (LEDs) for system status and troubleshooting.

Indication of power, communication, internal operation, ground fault, and Trouble-event conditions are also provided.

Model DAC-NET contains an on-board microprocessor, providing communication with switch modules, LED modules, microphone, telephone zone cards, and zone amplifiers across the Control Area Network CAN Bus. Additionally, 99 CAN-address modules can be supervised by one (1) Model DAC-NET.

Model DAC-NET contains on-board tones and pre recorded EVAC and ALERT messages. Additionally, custom messages or tones can be downloaded to the DAC-NET using the custom-configuration software tool, ZEUS, of a XLS fire system for a total of five minutes of storage memory.

D-NET is supervised for open, short and ground fault. Each input / output is electrically isolated. The maximum distance between two DAC-NETs is 2,300 feet [701 m] (14 AWG to 18 AWG twisted, unshielded wire.)

A maximum wiring length can be up to 23,000 feet [7010 m] of twisted, unshielded wire through the entire D-NET network, totaling (32) DAC-NET nodes.

Product Overview — (continued)

The Local Page Board (Model LPB) is used to connect the microphone – mounted inside the Live Voice Module (Model LVM) – and the voice-internal telephone system. Model LPB serves as a plug-on board to Model DAC-NET, and converts the two (2) analog input signals into the system's internal digital format.

Up to five (5) Model LVM modules can be connected to Model LPB. Additionally, Model LPB provides one (1) analog output to connect to the monitor speaker, which is mounted inside Model LVM.

The one (1) analog output is one (1) of eight (8) voice-internal audio channels selectable at the XLSV fire system.

Temperature and Humidity Range

Products are @UL 864 9th Edition Listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).

Electrical Ratings

Power Consumption (DAC-NET)	
24V Back Plane Current	230mA
24V Screw Terminal Current	0
6.2V Back Plane Current	0
24V Standby Current	230mA

Details for Ordering

Model	Part Number	Description
DAC-NET	500-035100	Digital Audio Card
LPB	500-035200	Local Page Board

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.