

## Features

- ▶ Microprocessor Controlled
- ▶ Supervises all Power Supplies Connected to DAN-7
- ▶ Supervises all Risers
- ▶ Supports Style 4, Style 6 and Style 7 Analog Audio Risers
- ▶ Optional Style 4 and Style 7 Digital Microphone Risers
- ▶ Ground Fault Detection and Location
- ▶ Degrade Mode Indicator
- ▶ 3 Simultaneous Annunciatory Tone Generators
- ▶ Optional Digital Prerecorded Message Playback
- ▶ Motherboard Prewired for all Options

## Description

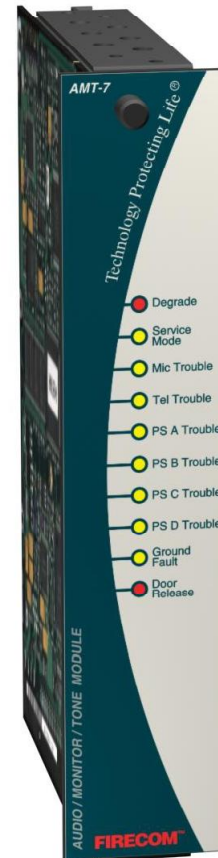
The AMT-7 Audio, Monitor and Tone Generator Card is installed in the DAB-7 Motherboard of the DAN-7. The AMT-7 supervises all the power supplies and batteries that may be connected to the DAB-7. The AMT-7 monitors all riser connections, allowing Style 4, Style 6, and Style 7 operation of the analog microphone riser as well as the analog telephone riser. With the addition of the optional DVC-7 Digital Voice Card, a Style 4 or Style 6 digital microphone riser may be used.

The AMT-7 can simultaneously generate three annunciatory tones. This allows an Evacuation Tone and an Inquiry Tone to be generated with the added flexibility of having a third backup tone generator. The tone generators can each generate unique selectable tones. The addition of the DMC-7 Digital Message Card allows automatic selection and playback of up to 120 pre-recorded messages.

All available audio sources can be routed to ASM-7 amplifiers and speaker circuits within the DAN-7 node. There is no restriction on the audio source to amplifier mapping. Input/Output programming is used to determine the audio source selection for each amplifier. The AMT-7 provides a technician friendly local speaker to help troubleshoot audio configuration and "listen" in to any audio source. Each audio source supports a volume adjustment, allowing the audio sources to be balanced.

The AMT-7 provides an auxiliary hard wired input zone and a Form C relay output. This input and output are available for general-purpose functions. Jumpers enable the data communication network to be terminated at the last node of the line.

Indicators display power supply faults, riser faults, ground faults, and degrade mode operation.



## Application

The AMT-7 Audio, Monitor and Tone Generator Card installs in the DAB-7 Motherboard of the DAN-7. It monitors the connected power supplies, batteries, and risers. The AMT-7 also generates annunciatory tones, and routes the appropriate audio signal to the amplifiers and speakers installed in the DAN-7.

## Installation

The AMT-7 Audio, Monitor and Tone Generator Card installs in a dedicated slot of the DAB-7 Motherboard in the DAN-7 Distributed Addressable Node.

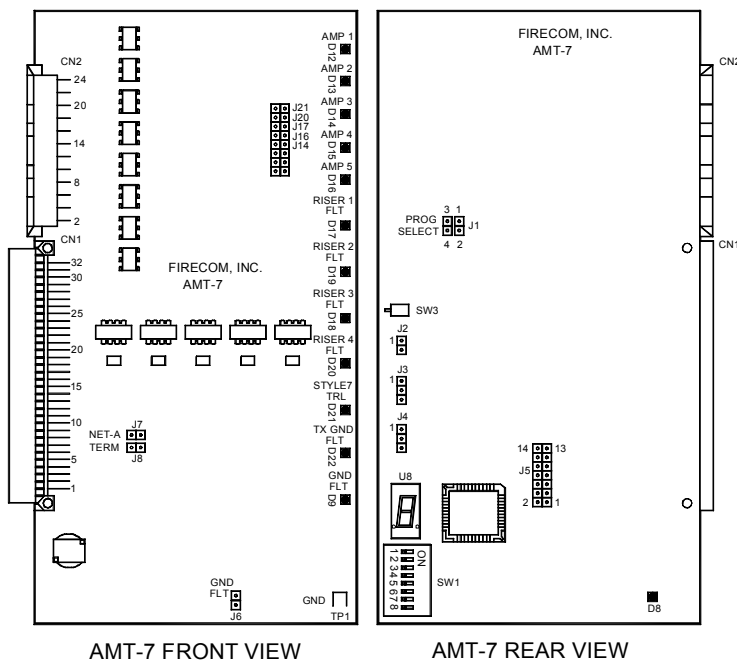


# Engineering Specifications

The AMT-7 Audio, Monitor and Tone Generator Card shall be installed in the DAB-7 Motherboard of the DAN-7 Node. The AMT-7 shall supervise all power supplies connected to the DAB-7 by examining their outputs their batteries, and their AC power conditions. A ground fault detection circuit shall allow the troubleshooting and isolation of ground fault conditions. Ground fault testing shall be initiated by depressing a switch on the Motherboard, and results shall be displayed on an installed DIS-1 or on the display of the Fire Command Center.

All analog and digital audio risers shall be monitored by the AMT-7 and facilitate Style 4, Style 6 and Style 7 configurations. Three tone generators shall be available on the AMT-7 so that three simultaneous tones can be created or in order to allow a backup tone generator to substitute for a failed unit. An optional DMC-7 Digital Message shall provide for selection and playback of 120 prerecorded messages. 8 audio sources shall be selectable to be directed to each of the amplifiers in the DAN-7, allowing floor-by-floor audio source selection. Visual indicators for power supply faults, riser faults, ground fault, and degrade mode operation.

## Wiring Connection



## Electrical Specifications

Operating Voltage	24VDC
Operating Current	400mA
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% @ 32° C

## Ordering Information

Model No.	Part No.	Description
AMT-7	73278	Audio Monitor & Tone Generator Card

It is our intention to keep the product information up to date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information contact: FIRECOM, INC.

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