NOTIFIER®
A Pittway Company

C-110

System 5000 VAS
Voice Alarm System for use with System 5000

Catalog Section: Voice Control Systems

March 15, 1996

GENERAL

The System 5000 VAS is a cost-effective, hardwired audio subsystem based on the **NOTIFIER** System 5000 Fire Alarm Control Panel. The System 5000 VAS uses standard system cabinet hardware and microprocessor technology to give the system flexible application and reliable operation. The System 5000 VAS is created by adding a Voice Command Center and Voice Control Modules to the basic System 5000.

This catalog sheet provides information only on the ***voice modules*** for the System 5000. For the basic modules and features of the System 5000, refer to the System 5000 catalog sheet.

S635 CS68 California State Fire Marshal 7171-028:154

City of Chicago **BSA** 578-81-SA **MEA** 290-91-E

FEATURES

- Prerecorded evacuation messages using solid state electronics.
- Fire fighter's telephone option.
- May select different tones or messages based on event.
- Page-by-phone from anywhere in building.
- Remote phone page, all-call or selective.
- Dual-channel option.
- Style Y or Style Z speaker circuit wiring.
- Speaker and telephone manual on/off switches with slide-in color-coded labels.
- 30, 100 and 120 watt audio amplifiers with switch-mode power supplies.
- Miniature test speaker.
- All-call switch and indicator.
- Field configurable and programmable.
- Optional addressable interface (AIM-200).
- Remote all-call Page Jack (RPJ-1).
- Standby amplifier(s) in a grouped or 1-to-1 fashion. One amplifier can backup several amplifiers.
- On-site programmable, prerecorded message option.
- Extensive transient protection using MOVs and PTCs.

APPLICATIONS

The System 5000 VAS is designed to be used in today's large multi-zone buildings to provide a reliable and cost-effective life safety system. The System 5000 VAS provides automatic evacuation messages, or local fire fighter control of paging and two-way communications in an emergency situation. A paging microphone, a master telephone handset and control unit, combined with a fully electronic emergency message recorder and easy-to-use operator controls, provide the System 5000 with a state-of-the-art emergency communications subsystem.

CONSTRUCTION & INSTALLATION

The System 5000 VAS Series audio subsystems utilize modular hardware assemblies which allow the custom panel configuration to fit the individual job requirements. The System 5000 VAS uses wall-mount standard cabinets. Multiple (close-nippled) cabinets may be used if necessary. As a special option, 19" rack-mount is also available.



CAB-C3 configuration shown.
System 5000 VAS may be configured in single or multiple cabinets, as required.

A key-locked, hinged front door, and dead-front panel construction allow easy access to all operator indicators and controls and prevent unauthorized access to the system electronics. *(**Note:** door may be mounted with hinges on left or right.)*

All field wiring terminations use removable, compression-type terminal blocks for ease of installation wiring and circuit testing.

OPERATION

The System 5000 VAS Series Audio Subsystem functions as an integral part of a System 5000 Fire Alarm Control Panel. Manual or automatic audio evacuation signals or messages are distributed

DN-533

This document is not intended to be used for installation purposes. We try to keep our 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 **NOTIFIER.** Phone: (203) 484-7161 FAX: (203) 484-7118

NOTIFIER® 12 Clintonville Road, Northford, Connecticut 06472

ISO-9001
Engineering and Manufacturing Quality System Certified to International Standard ISO-9001

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throughout the building by use of integral Voice Control Modules for switching. Simple-to-use controls provide the fire fighter with a fully featured, manually controlled audio evacuation system for use in emergency situations. Modular hardware components allow simple configuration of the system. All field circuits (either speaker circuits or telephone circuits) are fully supervised and power-limited by the main control panel. The System 5000 VAS is fully field programmable and does not require any special tools or equipment. Factory-trained distributors provide expert application and start-up service for all systems.

PRODUCT LINE INFORMATION

VCC-1: Voice Control Center. Provides a variety of user-selectable tones on a single channel. Up to two different tones or messages may be selected on a single channel. Also provides optional digital voice message capability and on-site programmable voice messages. Includes Audio Message Generator (AMG-1) microphone, cables, dress panels, and instructions.

VCC-2: Voice Control Center. Single- or dual- channel Audio Tone Generator (ATG-2). Provides a slow whoop, Hi/Lo or steady tone on the primary channel and for dual channel applications, provides a chime or 20 pulse-per-minute tone on the secondary channel. Includes cables, microphone, dress panel, and instructions.

VTCC-1: Voice/Telephone Control Center. Provides all that the VCC-1 provides, plus two-way Fire Fighter's Telephone (FFT-7) capability.

VTCC-2: Voice/Telephone Control Center. Provides all that the VCC-2 provides, plus two-way Fire Fighter's Telephone (FFT-7) capability.

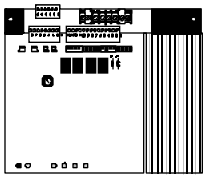
TCC-1: Telephone Control Center. Provides a stand-alone two-way Fire Fighter's telephone (FFT-7S). Includes cables, dress panel and instructions.

AMG-E: Audio Message Generator (without microphone). Order in addition to VCC-1 or VTCC-1 if two channel system is required.

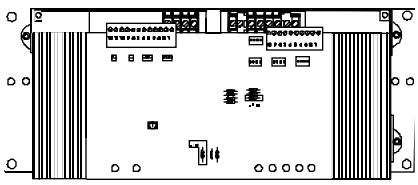


FFT-7: Fire Fighter's Telephone control with master handset.

AA-30: Audio Amplifier - 30 watts. Switch-mode power. Includes amplifier and audio input supervision, backup input, and automatic switchover, power supply, cables.

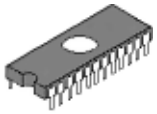


AA-120/AA-100:

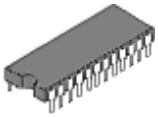


Audio Amplifier provides up to 120 watts of 25 VRMS audio power for the System 5000 VAS. The amplifier contains an integral chassis for mounting to a CAB-B3, -C3, or -D3 backbox (consumes one row). Switch-mode power. Includes audio input and amplified output supervision, backup input, and automatic switchover to backup tone. The AA-100 provides up to 100 watts for 70 VRMS speakers.

VROM-(n): Factory-programmed message for installation in AMG-1. Provides up to 24 seconds of evacuation message on non-volatile memory chip. Choose one of many standard messages available. Up to two of these messages may be installed in one AMG. Includes VROM, instructions for installation and operation, and written text of message.



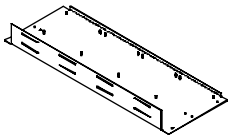
VRAM-1: Field-programmed memory to be installed in AMG-1. Provides up to 24 seconds of field-programmable evacuation message on non-volatile memory chip. Message is programmed from microphone or cassette tape. Up to two of these non-volatile memory chips may be installed in one AMG. Includes VRAM and instructions for installation and operation.



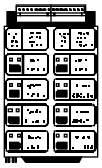
DP-1: Blank Dress Panel. Provides dead-front panel for unused tiers or to cover AA-30, AA-120, or AMG-E modules.



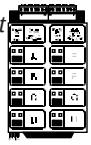
CHS-4L: Low-profile four-position Chassis. Mounts two AA-30 amplifiers or one AMG-E and one AA-30.



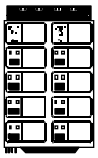
VCM-4: Voice Control Module provides four Style Y or Style Z speaker circuits, eight manual select switches and indicators, slide-in labels, and plug-in terminal blocks. Move jumper to convert to telephone circuits with remote ring signal and local call-in flash. May be expanded to 8 circuits with VCE-4, ICE-4, or CRE-4.



VCE-4: Voice Control Expander adds four circuits to VCM-4. ***(Note:** VCM-4 / VCE-4 combination must be 8 speaker or 8 phone circuits.)*



DCM-4: Dual Channel Module provides four Style Y or Style Z speaker circuits plus four channel A/B select relays. Not expandable.



RPJ-1: Remote Paging Jack. For remote all-call page. Connect jack to phone bus via a CMX module. Connect keyswitch to a MMX module programmed for all-call page.



AGENCY LISTINGS & APPROVALS

See the first page of this catalog sheet for listing agencies and file numbers. These listings and approvals apply to the basic System 5000 control panel. In some cases, certain modules may not be listed by certain approval agencies, or listing may be pending. The System 5000 VAS is listed by these agencies as part of the System 5000. Consult factory for latest listing status.

ARCHITECTURAL/ ENGINEERING SPECIFICATIONS

Complete specifications for the System 5000 VAS, are available on 3-1/2" or 5-1/4" diskette in Word Perfect™ and ASCII format. Contact NOTIFIER customer service for details.

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