

■ Description

There are many applications for the VDOT-MNS-100BAS voice evacuation system where additional audio power above 100 Watts is required. For these applications, the VDOT-MNS-100APB Audio Power Booster provides an additional 100 Watts of audio output through four (4) Class A or B, power limited, supervised 25 VRMS speaker outputs. Additional VDOT-MNS-100APB units may be daisy-chained for virtually unlimited power output for coverage of large areas.

The audio is provided by the Primary VDOT-MNS-100BAS system in parallel with each APB unit. Control of the Secondary VDOT-MNS-100APB unit is by a contact closure from the previous unit, which can be the Primary or another VDOT-MNS-100APB unit. All wiring and connections are fully supervised.



■ Features

- 100 Watt, highly efficient Class D digital audio amplifier
- 4 Speaker Circuits (Class A or B wiring)
- Supervised dry contact closure primary activation input

■ Description of Other Accessories

70 VRMS Speaker Output

Compensate for audio power loss due to long speaker runs by installing the **VDOT-MNS-70V-XFMR** 70 Volt Transformer. The transformer is contained in a small external cabinet that connects to the **VDOT-MNS-100BAS**. All speaker circuits maintain active supervision and provide full output power. *(For more information, refer to the **VDOT-MNS-70V-XFMR** data sheet.)*

Common Alarm and Trouble Relays

The **VDOT-MNS-3-REL** 3-Relay Card provides 3 Form-C relay contact outputs to signal external devices in the system. The three outputs are typically used as Active and Trouble indicators, with the third used for other applications. *(For more information, refer to the **VDOT-MNS-3-REL** data sheet.)*

■ Other Optimal Accessories

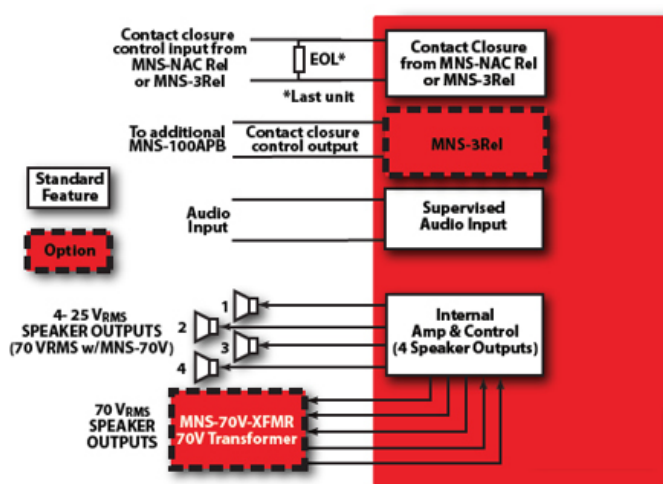
VDOT-70V-XMFR	70 Volt Transformer Kit
VDOT-MNS-REL	Common Alarm and Trouble 3-Relay Card

■ Specifications

Standard Configuration; no options installed. For specifications on options, please refer to their individual data sheets. Specifications are subject to change without notice due to product improvements.

Interface	
Inputs	
Primary Activation Supervised	1; supervised dry contact closure rated for 24VDC, 10mA
Audio	600 to 3600 Hz freq. response 25 Vrms speaker-level; transformer isolated input
Outputs	
Audio	100 W; 25 Vrms (70 Vrms Optional)
Speaker circuits	1; power-limited to 60 W 3; power-limited to 25 W each; with total power not exceeding 100W 10KOhm EOLR continuously monitored

Indicators	
LED	power (green) active (red) system fault (yellow)
LED bar graph	audio level; yellow 4-segment
Power Supply	
Primary Power	120 VAC, 60 Hz; 5 A nominal
Internal Power Supply	24 VDC regulated
Extrenal Power Supply	24 VDC regulated; listed for Fire Alarm Use
Internal Battery Backup	
Capacity	Up to 12 A-Hr (not included)
Standby Mode	24 hours
Alarm Mode	15 minutes
Recharge Time	48 Hours
Installation	surface or semi-flush mount; between 16" O.C. studs;
Enclosure	18-5/8"h x 14-3/16"w x 4"d; painted steel
Temperature Range	32 °F to 120 °F (0 °C to 49 °C)
Humidity	90% maximum, non-codensing;
Approvals / Listings	ETL Listed for UL 864 9th Edition (Control Units and Accessories for Fire Alarm Systems) and UL 1711 4th Edition (Amplifiers for Fire Protective Systems)



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For more information, contact with VELOCITY.



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