AA Series

Audio Amplifiers

NOTIFIER® by Honeywell

Voice Control Systems

Description

The AA series audio amplifiers provide traditional high level audio technology for use with Notifier's integrated voice evacuation systems. The AA Series is compatible with classic audio systems such as the AMG-1 as well as the DVC (Digital Voice Command Series) when used with the DVC-AO analog audio option.

Three models are available: the AA-30 (30 watts @ 25 Vrms), the AA-120 (120 watts @ 25 Vrms) and the AA-100 (100 watts @ 70.7 Vrms). All use power-switching technology to reduce production of heat and permit mounting in either 19" (48.26 cm) racks or in standard Notifier cabinets (wall mount). All include power supply, battery switch-over control, amplifier supervision, and backup amplifier switch-over control.

Features of the AA-30

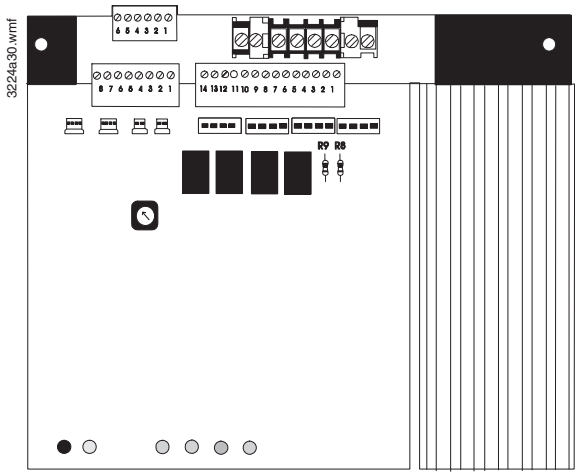
- Provides up to 30 watts of 25 Vrms audio power.
- Low-power standby mode for low battery drain.
- Includes grouped or one-to-one backup amplifier switching bus.
- Battery input and brownout switch-over control.
- High-efficiency switched regulation.
- Plug-in terminal strips and cable connectors for ease of installation.
- 10-position level adjustment and indicator LEDs.
- High-fidelity sound quality.
- Class A output wire supervision option.
- Power-limited per UL requirements and NFPA as dictated by NEC Article 760.
- Mounts in a standard CAB-3/CAB-4, or EQ Cabinet Series enclosure.
- 240 VAC version option (AA-30E).

Features of the AA-120/AA-100

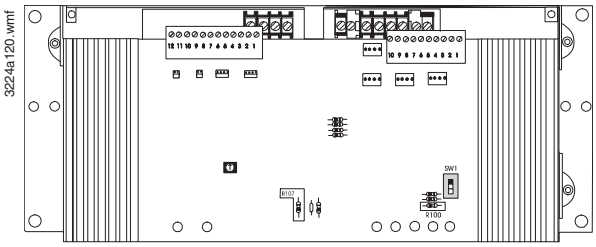
- AA-120 provides up to 120 watts of 25 Vrms audio power.
- AA-100 provides dual outputs of up to 100 watts of 70.7 Vrms audio power (combined outputs not to exceed 100 watts).
- Low-power standby mode for low battery drain.
- Includes grouped or one-to-one backup amplifier switching bus.
- Battery input and brownout switch-over control.
- High-efficiency switched regulation.
- Plug-in terminal strips and cable connectors for ease of installation.
- 10-position level adjust and indicator LEDs.
- Separate mounting chassis is not required (integral chassis for mounting in a CAB-3/CAB-4 Series or EQ Cabinet Series enclosure).
- Includes a built-in automatic backup tone generator (slow whoop or high/low).
- Power-limited per UL requirements and NFPA as dictated by NEC Article 760.
- 240 VAC option (AA-100E/AA-120E)

Indicators and Controls

- Level Adjustment ..... 10 position switch.
- Normal Level ..... Green LED.
- Incorrect Level ..... Yellow LED.



AA-30 Audio Amplifier



AA-100/AA-120 Audio Amplifier

- Amplifier Trouble ..... Yellow LED.
- Speaker Trouble ..... Yellow LED.
- Brown Out/AC Failure ..... Yellow LED.
- Battery Supervision ..... Yellow LED.
- AC Overload Protection ..... Circuit Breaker.
- Battery Overload Protection ..... Fuse.

Agency Listings and Approvals

In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL Listed:** S624
- **ULC Listed:** CS118/CS733/CBP696 Vol. VII
- **MEA:** 17-96-E; 289-91-E; 290-91-E (AA-120); 317-01-E 232-06-E; 317-01-E; 345-02-E
- **CSFM:** 7170-0028:153; 7170-0028:154;7170-0028:216; 7170-0028:223; 7170-0028:182
- **BSA:** 578-81-SA (AA-30)
- **FM Approved**

- **City of Chicago**
- **City of Denver**

Wiring Connections

Signal	Wires	In/Out	Terminals	Connector
AC Power	3	In + Out	Yes (Fixed)	No
Battery	2	In = Out	Yes (Fixed)	No
Audio Input	2 + Shield	In + Out	Yes (Plug)	Yes (Dual)
Audio Output	2 + Shield	Out	Yes (Plug)	Yes
Audio Return (for integral supervision)	2 + Shield	In	Yes (Plug)	Yes
Backup Amp	2 + Shield	In + Out	Yes (Plug)	Yes (Dual)
Trouble Bus	2	In + Out	Yes (Plug) Output Only	Yes (Dual)

Specifications

	AA-30	AA-120/AA-100
Rated Output	30 watts RMS	120 watts RMS (AA-120) 100 watts RMS (AA-100)
Output Voltage	25 VRMS	25 VRMS (AA-120) 70.7 VRMS (AA-100)
Total Harmonic Distortion at 1 KHz	0.5%	4.0%
Frequency Response (+3, -1 dB)	220 - 22,000 Hz	170 - 7,500 Hz
Supply Voltage	120 V, 60 Hz (AA-30E: 220/240 V, 50Hz)	120 V, 60 Hz (AA-100E/AA-120E: 220/240 V, 50 Hz)
120 VAC Power Consumption	Standby: 208 mA Alarm: 0.9 A	Standby: 306 mA Alarm: 1.85 A
220/240 V Power Consumption	Standby: 120 mA Alarm: 0.5 A	Standby: 160 mA Alarm: 0.925 A
24 VDC (Battery) Power Consumption	Standby: 21 mA Alarm: 3.4 A	Standby: 51 mA Alarm: 7.3 A (AA-120); 6.5 A (AA-100)
Dimensions		
Height	7.0 in. (17.78 cm)	7.0 in (17.78 cm)
Width	8.5 in (21.59 cm)	19.0 in. (48.26 cm)
Depth	4.3 in. (10.92 cm)	4.5 in. (11.43 cm)
Weight	6.0 lbs. (13.22 kg)	16.0 lbs. (35.27 kg)

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ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING
QUALITY SYSTEMS

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We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.

Made in the U.S. A.

For more information, contact Notifier. Phone: (203) 484-7161, FAX: (203) 484-7118.
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