

Audio Amplifier (AA-120 and AA-100)

The Audio Amplifier (AA-120 and AA-100) provides the latest in audio technology for Johnson Controls fire control systems. The AA-120 provides 120 watts of audio power for use with 25 VRMS speakers. For added versatility, the AA-100 provides 100 watts of audio power with 70.7 VRMS. Both use power switching technology to reduce heat dissipation and may be mounted away from the central controller, reducing the cost of installation.

The AA-120 and AA-100 amplifiers also include a power supply, battery switchover control, amplifier supervision, backup amplifier switchover control, and an automatic backup tone generator. The amplifier features individual LEDs to aid in troubleshooting and amplifier gain setup.

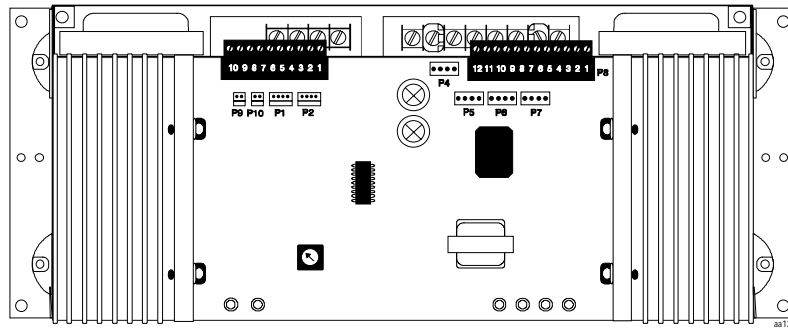


Figure 1: AA-100/AA-120 Audio Amplifier

Features and Benefits	
<input type="checkbox"/> Conserves Power in Standby Mode for Low Battery Drain	Maximizes battery life
<input type="checkbox"/> Features a 10-position Level Adjust and Indicator LEDs	Allows for fast, easy audio output gain adjustment
<input type="checkbox"/> Supports Grouped or One-to-One Backup Amplifier Switching	Saves installation costs and space
<input type="checkbox"/> Provides Plug-in Terminal Strips and Cable Connections	Makes installation and service easy

Specifications

Product	AA-120 and AA-100 Audio Amplifiers	
Dimensions (H x W x D)	7.0 x 19.0 x 4.5 in. (177.8 x 482.6 x 114.3 mm)	
Weight	16 lb (35.27 kg)	
Frequency Response	(+3, -1 dB): 170-7500 Hz	
Total Harmonic Distortion	4% at 1 KHz	
Operating Temperature Range	32 to 95°F (0 to 35°C)	
Humidity	0 to 85% RH, non-condensing	
Input Voltage	120V, 60 Hz 230V, 50 Hz (Models AA-120E, AA-100E)	
Rated Output	120 watts RMS	AA-120
	100 watts RMS	AA-100
Output Voltage	25 VRMS	AA-120
	70.7 VRMS	AA-100
Power Consumption 120 VAC	Standby	306 mA
	Alarm	2.1 amperes RMS
Power Consumption 24 VDC (Battery)	Standby	51 mA
	Alarm	7.6 amperes RMS AA-120 6.5 amperes RMS AA-100
Agency Listings	UL, ULC, and California State Fire Marshal Listed as part of the IFC-1010/2020 and FC-2000 systems.	

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.



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