



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 701-904ICS AC-Powered SmartSeries Handset/Speaker Amplifier with Auxiliary Jack

General Information

This data sheet applies to the GAI-Tronics Model 701-904ICS AC-Powered SmartSeries Handset/Speaker Amplifier with Auxiliary Jack, which is a direct replacement for an existing GAI-Tronics Model 701-904 Amplifier.

This handset/speaker amplifier mates directly with the 702, 703, 732, and 733 Series amplifier enclosures and is suitable for indoor or outdoor use. It is equipped with a jack for an auxiliary handset or headset accessory. The SmartSeries PCBA adds microprocessor-based control to the station providing additional monitoring capabilities.

⚠️ WARNING ⚠️ Do not install this equipment in hazardous areas other than those indicated on the approval listing in the “Specifications” section. Such installation may cause a safety hazard and consequent injury or property damage.

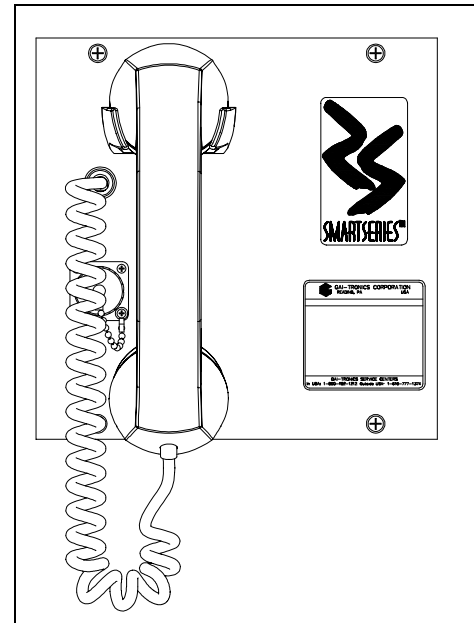


Figure 1. Model 701-904ICS
SmartSeries Handset/Speaker Amplifier
with Aux. Jack

Specifications

Power Requirements – AC Input

AC Power Supply

Input voltage 120 V ac (nominal), 50/60 Hz
Power factor @ nominal 120 V ac 0.98

Power Consumed (8-ohm load)	120 V AC
Idle	70 mA/8.4 VA
4-watt output (default setting)	120 mA/14.4 VA
12-watt output	200 mA/24.0 VA
30-watt output	400 mA/48.0 VA
Maximum Current Consumption (8-ohm load)	108 V AC
30-watt output	450 mA/48.6 VA

Handset

Microphone.....	Dynamic, noise-canceling
Receiver.....	Dynamic, hearing aid compatible
Cord.....	Retractable, 6-foot extended, PVC
Material.....	ABS
External control.....	Push-to-page handset pressbar

Handset Amplifier

Output level (compression controlled).....	1.5 V _{RMS} nominal into 33-ohm load Adjustable 0–2.1 Vrms
Frequency response.....	250–6,500 Hz, +0/-3 dB ref. to 1 kHz
Distortion.....	<1.5% THD @ 1 kHz (below compression level)
Receiver level.....	200 mVrms, nominal Adjustable 150–400 mVrms

Speaker Amplifier

Maximum output:	
8-ohm speaker.....	30 watts into 8-ohm load with 1.5 Vrms input page level Adjustable to 30 watts; default: 4 watts @ 8 ohms
16-ohm speaker.....	15 watts into 16-ohm load with 1.5 Vrms input page level Adjustable to 15 watts; default: 2 watts @ 16 ohms
Frequency response.....	250–6,500 Hz, +0/-3 dB ref. to 1 kHz
Distortion.....	<1% THD @ 1 kHz to 24 watts <3% THD @ 1 kHz to 30 watts
Input impedance.....	50,000 ohms 16 kilohms with SmartSeries option

Mechanical/Environmental

Construction/Finish.....	16-gauge cold rolled steel with textured gray powder coat
Dimensions.....	8.1 H × 8.1 W × 3.0 D inches (20.6 × 20.6 × 7.6 cm)
Net weight.....	5.25 lbs. (2.4 kg)
Shipping weight.....	6.25 lbs. (2.8 kg)
Temperature range (operation and storage).....	–22° F to 158° F (–30° C to 70° C)
Humidity.....	95% non-condensing

Approvals

NRTL Listed for USA and Canada.....	Class I, Groups A, B, C, and D, Division 2 Class II, Groups F and G, Division 2 Class III, Division 2 Hazardous Locations Temperature Code, T4
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