



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 701-909ICS DC-Powered SmartSeries Handset/Speaker Amplifier with Auxiliary Jack

General Information

This data sheet applies to the GAI-Tronics Model 701-909ICS DC-Powered SmartSeries Handset/Speaker Amplifier with Auxiliary Jack.

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 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.

Specifications

Power Requirements – DC Input

DC Power Supply

Input voltage24 V dc +/-20%

Power Consumed (8-ohm load)	24 V DC
Idle	165 mA/4.0 W
4-watt output (default setting)	460 mA/11.0 W
12-watt output	900 mA/21.6 W
30-watt output	1.95 A/46.8 W
Maximum Current Consumption (8-ohm load)	19.2 V DC
30-watt output	2.44 A/46.8 W

Handset

Microphone Dynamic, noise-canceling

Receiver Dynamic, hearing aid compatible

Cord Retractable, 6-foot extended, PVC

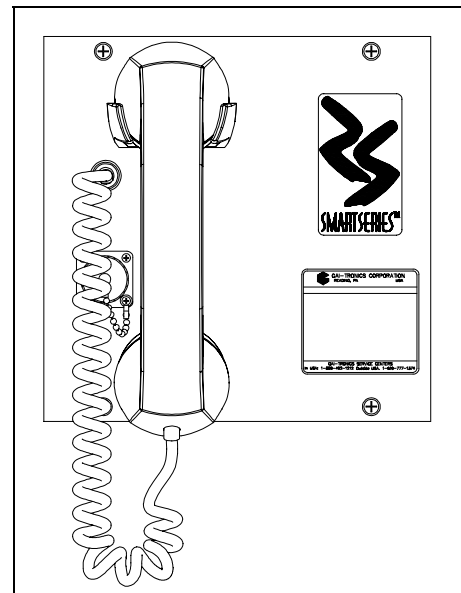


Figure 1. Model 701-909ICS
SmartSeries Handset/Speaker Amplifier
with Aux. Jack

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 V _{RMS}
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 mV _{RMS} , nominal Adjustable 150–400 mV _{RMS}
Speaker Amplifier	
Maximum output:	
8-ohm speaker.....	30 watts into 8-ohm load with 1.5 V _{rms} input page level Adjustable to 30 watts; default: 4 watts @ 8 ohms
16-ohm speaker.....	15 watts into 16-ohm load with 1.5 V _{rms} 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
SmartSeries offset level adjustment range.....	0 to 30 dB
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.....	5.0 lbs. (2.3 kg)
Shipping Weight	6.0 lbs. (2.7 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