



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 751-902ICS DC-Powered SmartSeries Speaker Amplifier

General Information

This data sheet applies to the GAI-Tronics Model 751-902ICS DC-Powered SmartSeries Speaker Amplifier.

This speaker amplifier mates directly with the 702, 732, and 733 Series amplifier enclosures and is suitable for indoor or outdoor use. 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.

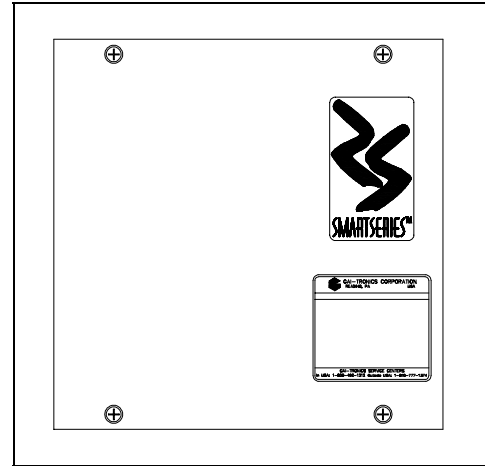


Figure 1. Model 751-902ICS SmartSeries Handset/Speaker Amplifier

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

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

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..... 4.0 lbs. (1.8 kg)

Shipping weight 5.0 lbs. (2.3 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