Model 701-902
SmartSeries Handset/Speaker Amplifier

General Information

This data sheet applies to the Model 701-902 SmartSeries Handset/Speaker Amplifier, which is designed to provide an intelligent handset for use in a standard GAI-Tronics Page/Party® system or an ADVANCE system. It supports one-way page announcements over system speakers, serves as an amplifier to broadcast page announcements over the station’s speaker, and supports party-line (two-way) communication with other system users.

It can also serve as a control interface to optional devices such as the party line End-of-Line Module or the SmartSeries station Remote Terminal Unit when installed into a SmartSeries RTU enclosure.

Specifications

Electrical

Supply voltage......................................................................90 to 140 V ac (120 V ac nominal), 50/60 Hz
Power consumed @ nominal ac ............Zero/maximum signal (12 watts): 15 VA, 9 watts/59 VA, 32 watts

Speaker Amplifier

Output.............................................................................12 watts minimum, with nominal supply voltage
Frequency response ...................................................................... 350 to 6,500 Hz, +0/-3 dB, ref. to 1 kHz
Distortion ...................................................................................... 1% maximum THD @ 1 kHz, 12 watts

SmartVolume™

Monitor range (low gain)................................................................................................62 to 100 dB SPL
Offset (above ambient) User Level Adjustment..................................................................... 0 to 48 dB
Minimum User Level Adjustment......................................................................................... Off; 85 to 125 dB SPL

Handset Amplifier

Output.................................................................................................1.5 V RMS nominal into 33-ohm load
Frequency response with 5 mV RMS input (AGC on).....................350 to 6,500 Hz, +0/-3 dB ref. to 1 kHz
Distortion .................................................................................................. 1.5% maximum THD @ 1 kHz

Mechanical

Dimensions ............................................ 8.12 H × 8.12 W × 6.12 D inches (206 × 206 × 155 mm), overall

Environmental

Temperature range............................................-22 °F to +158 °F (-30 °C to +70 °C), operating and storage
Humidity........................................................................................................95%, non-condensing
**Approvals**

NRTL Listed for USA and Canada ...................................................... Class I, Div. 2, Groups A, B, C, D;
when used with listed GAI-Tronics Model 702 and 703 Series Enclosures

Class I, Div. 2, Groups A, B, C, D;
Class II, Div. 2, Groups F, G; Class III, Div. 2
when used with listed GAI-Tronics Model 732, 733, 7325, and 7335 Series Enclosures

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**Figure 1. Model 701-902 SmartSeries Handset/Speaker Amplifier Outline**

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