



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 701-312 Page/Party® 600-Ohm Handset/Speaker Amplifier

General Information

This data sheet applies to the Model 701-312 Page/Party® 600-Ohm Handset/Speaker Amplifier, which is an important component of a GAI-Tronics Page/Party® system.

This handset/speaker amplifier is designed for Page/Party® applications that require long cable runs generally exceeding one mile (1.6 km) from the system line balance assembly.

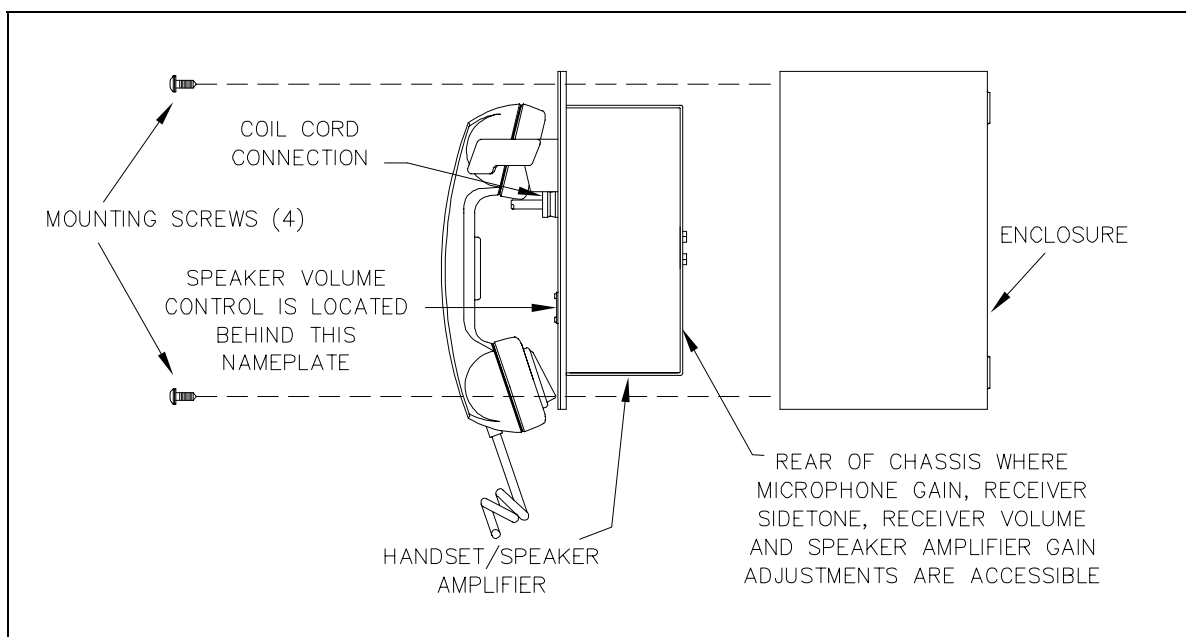


Figure 1. Installation and Adjustment Details

Specifications

Amplifier

Power requirements

Voltage..... 90–140 V ac range, 50/60 Hz, 115 V ac nominal

Power consumed: Zero/max. signal (12 watts)..... 10 VA, 4.5 W/50 VA, 27 W

Construction/finish..... 16-gauge cold-rolled steel/gray baked enamel

Handset

Microphone Dynamic, noise-canceling
 Receiver Dynamic, hearing aid compatible per FCC Part 68
 Cable.....Retractable, 6-foot extended PVC
 Material..... Gray ABS
 External controls.....Push-to-page switch or push-to-page handset pressbar, handset hook-switch

Handset Amplifier

Output level..... 1.5 Vrms nominal into 600 ohm load
 Output limiter 1.5 Vrms nominal
 Gain 55 dB nominal (below limiter level); adjustable from 40 to 63 dB
 Frequency response.....250–4,000 Hz, +/-1.5 dB
 Distortion 1.5% maximum THD @ 1 kHz
 Controls.....Microphone gain, receiver volume and sidetone

Speaker Amplifier

Output..... 12 watts minimum with nominal supply voltage
 Voltage gain 26 dB max, adjustable
 Frequency response..... 250–4,000 Hz, +0, -3 dB ref. to 1 kHz
 Distortion 1% maximum THD @ 1 kHz, 12 watts
 Input impedance..... 50,000 ohms nom.
 Controls..... Speaker volume (adjusted through the access hole behind the nameplate on the front panel)

General

Temperature range (operating/storage) -22° F to +158° F (-30° C to +70° C)
 Dimensions..... 8.1 H × 8.1 W × 3 D inches (20.6 × 20.6 × 7.6 cm) behind panel
 8.1 H × 8.1 W × 3.5 D inches (20.6 × 20.6 × 8.9 cm) front of panel
 Shipping weight..... 6.8 lbs. (3.1 kg)