



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 370-201

Interface Amplifier Assembly

General Information

This data sheet applies to the Model 370-201 Interface Amplifier, which allows GAI-Tronics' Page/Party® systems to interface with standard private telephone networks. This unit interconnects two voice circuits that are dissimilar in voltage and/or impedance. The interface amplifier is not just a matching transformer; but also includes a gain adjustment that compensates for differences in signal levels, or permits use with a range of signal level. It can also be used in other paging systems.

Model No.	Consisting of:	
	Amplifier	Enclosure
370-201	371-201	372A

Specifications

Audio Characteristics

Line Terminals Output: GAI-Tronics Terminals Input; 1000 Hz

Load Impedance.....	600–1000 ohms 0.15 uF in parallel
Output source impedance.....	600 ohms, nominal
Output level.....	0.78 V _{RMS} , nom. (with nom. input)
Maximum output.....	2.0 V _{RMS} (with nom. input)
Input level.....	1.5 V _{RMS} , nom.; 0.39 V _{RMS} minimum
Frequency response.....	250-4000 Hz (0, -0.5 dB)
Harmonic distortion.....	0.6% maximum

GAI-Tronics Line Terminals Output: Line Terminals Input; 1000 Hz

Load impedance.....	33 ohms, nominal
Output source impedance.....	1000 ohms, minimum
Output level.....	1.5 V _{RMS} , nom. (with nom. input)
Maximum output.....	1.9 V _{RMS} (with nom. input)
Input level.....	0.78 V _{RMS} , nom.; 0.21 V _{RMS} , minimum
Frequency response.....	250–4000 Hz (0, -4dB)
Harmonic distortion.....	0.6% maximum

Power Requirements

120 V ac..... 105–130 V ac, 50–60 Hz, 10 W
24 V dc..... 21–28 V dc, .1 amp maximum

Physical Characteristics

Controls..... Gain control GTC TO LINE
Gain control LINE TO GTC
BALANCE Control (to compensate line capacitance)
Temperature range..... -22° F to +158° F (-30° C to +70° C)
Construction/finish..... 16-gauge cold-rolled steel/gray polyurethane enamel
Mounting..... Wall or column, four 5/16-inch mounting holds
Connections..... Internal screw-type barrier terminal blocks
Dimensions..... 8.1 H × 8.1 W × 5.1 D inches; (206 × 206 × 129 mm)
Shipping weight..... 11 lbs (4.8 kg)