



## IA543 Apartment Intercom System Amplifier (Open-voice type)



### Architects' And Engineers' Specifications

The intercom amplifier shall be Alpha Communications® model **IA543** or approved equal and shall provide amplification, control and power circuits needed to operate the entire intercom system. The amplifier shall feature integrated circuit amplification, integrated circuit call tone oscillator (supporting steady and warble tone modes). User access to the voice volume control and tone volume control shall be provided for field adjustment.

Unit shall also provide for AC, DC or Maglock (12VDC/24VDC) door release with three (3) selectable delayed door timing modes. Steady and warble tone options shall be available to identify a call from the entrance panel and/or call button at suite entrance. Unit shall include power LED and selectable options to provide button hold timeout and Talk interlock (TALK button must be pressed before DOOR button can be activated). A specific function connector shall be provided to facilitate connection to devices that provide multiple entrance panel functionality.

Low voltage wiring shall be used and plug in type wiring harness, with pigtail connectors, shall be provided for installation wiring.

Contractor shall observe all local and national electrical and building codes.

### IA543 Apartment Intercom Amplifier

The Alpha Communications® **IA543** Power Pack Amplifier is a self-contained unit not requiring an external amplifier. The **IA543** is designed for use with 5, 4 or 3 wire apartment speaker type stations and provides amplification, control and power circuits needed to operate a complete apartment intercom system. Voice volume control and tone volume control are easily adjustable through the screwdriver slot on the front panel. It is also a direct replacement for the previous model(s) **PK543** and **PK543A**.

Additional functions include multiple entrance operation with the **IA502**; AC, DC or Maglock configurations with three (3) selectable door timing modes; post office door lock release; steady or warble call tones; power LED; selectable door button hold timeout; and selectable Talk before door interlock.

### Specifications

<b>Dimensions:</b>	Height: 5.625" (143mm) Width: 3.375" (86mm) Depth: 1.25" (32mm) from mounting
<b>Construction:</b>	Flame-retardant (UL° 94V-0) plastic
<b>Environment:</b>	0°-30°C (32°-86°F)
<b>Amplification:</b>	Integrated circuit amplifier including amplifier with frequency response adjusted for ideal voice quality.
<b>Call Tone:</b>	Integrated circuit oscillator with steady and warble modes
<b>Door Release:</b>	AC, DC or Maglock (12VDC/24VDC)
<b>Controls:</b>	Voice volume, Tone volume, and Dipswitches for selectable modes
<b>Connections:</b>	Polarized plug in type wiring harness and special connector for <b>IA502</b> connection
<b>Power Requirement:</b>	16VAC, 10VA
<b>Mounting:</b>	Surface Mount



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