

## Features

- Fully Compatible with GAI-Tronics Page/Party<sup>®</sup> and ADVANCE/SmartSeries<sup>™</sup> Systems
- Full Duplex Communication
- Efficient Class D Amplifier
- AC (120/230V) and DC (24V) Versions

## Options

- One or Five Party Lines
- PVC or Hytrel<sup>®</sup> Handset Cords
- Remote Volume Level Control (VLC)
- SmartSeries<sup>™</sup> Technology
- Ambient Level Sensing (ALS)
- Remote Monitoring
- Remote Terminal Unit (RTU) Operation
- Eight ohm or 70/100V Speaker Amplifier Output



ICS is GAI-TRONICS' latest generation of SmartSeries<sup>™</sup> products, and provides two important plant communication functions in one durable, easy-to-operate package, offering paging, and five line intercom capability. Through the page function individuals can be contacted anywhere in your facility. For further communication, the party line function allows two or more people to converse without being heard over the paging speakers.

ICS is a distributed amplifier system with each **desktop**, **desk-edge** or **flush-mount station** having a remote 30W speaker amplifier with connecting 10 foot plug and socket cable. Remote amplifiers are parallel wired, simplifying system design and expansion.

Distributed amplifier systems offer major advantages over conventional power amplifier systems. For example, if an amplifier fails in a distributed system, only the associated speaker is inoperable; all other system speakers will continue to broadcast pages.

ICS operation is simple; the user lifts the station handset, presses the page pressbar and announces. The responding individual lifts the handset of their nearest station for full duplex communication over the party line.

Speaker amplifier versions are available for powering speakers where handset intercom stations are not required. Wall-mount intercom stations are also available.

ICS stations are fully compatible with existing GAI-TRONICS Page/Party<sup>®</sup> and ADVANCE/SmartSeries<sup>™</sup> stations and systems, with additional features:

- 30 watt speaker amplifier
- Dual purpose wall or desk mount station
- Increased termination area
- Easy connect
- More efficient design requires less power
- Compliance with current and upcoming UL and worldwide approvals.

### ICS Desktop, Desk-edge and Flush-mount station part numbers:

Mounting	Party Lines	Station Type	Control	Handset Cord	Approval	Finish	Options	Entries
8	X	X — 0	0	X	X	X	X	0
Desktop Subset 4 Flush-mount Subset 5 Desk-edge Subset 6	Single Party 1 Multi Party 5			None 0 6' PVC 1 15' PVC 2 25' PVC 3 6' Hytrel® 4 15' Hytrel® 5 25' Hytrel® 6 6' for Desktop¹ 8	UL Safe Area A CE B	Orange 1 Gray 2 Black¹ 3	No Options 0 Trop TR A	

**Notes:** ¹Desktop subsets are only available with a black finish and a 6' Black PVC handset cord.  
 Not all options may be combined - contact GAI-TRONICS for details.

### ICS Remote Amplifier part numbers for use with Desktop, Desk-edge and Flush-mount stations

Mounting	Party Lines	Station Type	Control	Handset	Approval	Finish	Options	Entries
8	3	0 — X	X	0	X	X	X	0
	AC Remote Handset/Speaker 4 DC Remote Handset/Speaker 8		Standard 1 Standard + VLC 2 Standard + VLC + RTU 3 Smart 4 Smart +RTU 5		UL Safe Area A CE B	Orange 1 Gray 2	No Options 0 Trop TR A 70/100V R 70/100V/TR S	

**Note:** Not all options may be combined - contact GAI-TRONICS for details.

## Specifications

### Electrical

#### AC Stations

Supply Voltage ..... 120/230 V ac  
 Max Power Consumption ..... 400mA/48.0VA @ 120 V ac  
 ..... 220mA/50.6VA @ 230 V ac

Input frequency range ..... 50/60 Hz

#### DC Stations

Supply Voltage ..... 24 V dc  
 Max Power Consumption ..... 1.95A/46.8W

### Handset

Microphone ..... Dynamic, noise-cancelling  
 Microphone Noise Discrimination ..... 18dB @ 250Hz  
 Receiver ..... Dynamic, hearing aid compatible  
 Material ..... ABS  
 External Control ..... Push-to-page handset pressbar

### Handset Amplifier

Output Level (compression controlled) ..... 1.5V<sub>RMS</sub>  
 nominal into 33Ω load.  
 Frequency Response ..... 250-6,500 Hz, +0/-3dB ref. to 1KHz

### Handset Amplifier continued:

Distortion ..... <1.5% THD @ 1KHz (below compression level)  
 Receiver Level ..... 200mV<sub>RMS</sub> nominal

### Speaker Amplifier

Max Output ..... 30W into 8Ω load with 1.5VRMS input  
 Frequency Response ..... 250-6,500 Hz, +0/-3 dB ref. to 1 kHz  
 Distortion ..... <3% THD @ 1KHz to 30W  
 Input Impedance ..... 50KΩ; 16KΩ with SmartSeries™ option

### Mechanical

Construction ..... 16 gauge cold-rolled steel  
 Finish ..... Safety orange powder coating  
 Connections ..... Screw-type barrier terminal blocks  
 Dimensions (overall) ..... 14.5 H x 8.0 W x 8.2 D inches  
 (368.3 x 203.2 x 208.3 mm)  
 Temperature range ..... -22° F to +158° F (-30° C to +70° C)  
 Relative Humidity ..... 95%, non-condensing  
 Shipping Weight ..... 11lbs (5kg)

### Approvals

Electrical Safety ..... IEC 60950, UL 60950,  
 CAN/CSA-C22.2 No 60950