

## Features

- Fully Compatible with GAI-Tronics® Page/Party® and ADVANCE/SmartSeries™ Systems
- Full Duplex Communication
- Efficient 30 Watt Class D Amplifier
- AC (120/230V) and DC (24V) Versions

## Options

- One or Five Party Lines
- Auxiliary Jack for Headset Operation
- PVC or Hytrel® Handset Cords
- Remote Volume Level Control (VLC)
- SmartSeries™ Technology
- Ambient Level Sensing (ALS)
- Remote Monitoring
- Remote Terminal Unit (RTU) Operation for Input/Output Applications

ICS is GAI-Tronics' latest generation of SmartSeries™ 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 station containing a 30W speaker amplifier. Stations/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. Desktop, flush-mount and desk-edge intercom stations are also available.

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

- Identical footprint to current enclosure
- Field-upgradeable to SmartSeries™, VLC or Remote Terminal Unit
- Increased cable termination area
- More efficient design requires less power
- Compliance with current and upcoming UL and worldwide approvals.

### ICS - Outdoor part numbers:

Outdoor Wallmount	Party Lines	Station Type	Control	Handset Cord	Approval	Finish	Options	Entries
8	2	X	X	X	X	X	X	0
	Single Party 1 Multi Party 5		Standard 1 Standard + VLC 2 Standard + VLC + RTU 3 Smart 4 Smart +RTU 5 Smart +Alt. Page 6 Smart +Emergency Party Line (EPL) 7 Standard + All Call A Standard + All Call, VLC B Standard + All Call, VLC, and RTU C Smart + RTU, EPL D Smart + All Call, RTU E	6' PVC 1 15' PVC 2 25' PVC 3 6' Hytrel® 4 15' Hytrel® 5 25' Hytrel® 6	CE B UL C1 D2 D	Orange 1 Gray 2	No Options 0 Trop TR A Spring Kit SK B Vee Notch VN C Lock Door LD D LD, SK E LD, VN F LD, TR G SK, VN H SK, TR J VN, TR K LD, SK, VN L LD, SK, TR M LD, VN, TR N LD, SK, VN, TR P	
	AC Handset/Amplifier 1 AC Handset/Amplifier/Aux Jack 2 DC Handset/Amplifier 5 DC Handset/Amplifier/Aux Jack 6							

**Notes:** Not all options may be combined - contact GAI-Tronics for details.

#### Example:

An outdoor wallmount, multi-party, AC-powered handset/speaker amplifier SmartSeries™ ICS station with a 6' PVC handset cord, UL Class I, Division 2 approvals, gray paint and no options selected, is part number **825-141D200**.

## Specifications

### Electrical

#### AC Stations

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

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

#### DC Stations

Supply Voltage ..... 24VDC  
 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  
 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 ..... Glass-Reinforced Polyester  
 Connections ..... Screw-type barrier terminal blocks  
 Dimensions (overall) ..... 14.6 H x 10.9 W x 10.5 D inches  
 (371 x 276 x 267 mm)  
 Temperature range ..... -22°F to +158°F (-30°C to +70°C)  
 Relative Humidity ..... 95%, non-condensing  
 Environmental Rating:  
 UL Stations: ..... Type 3R / Type 4X with door closed  
 CE Stations: ..... IP65 / IP66 with door closed  
 Shipping Weight ..... 12.5lbs (5.7kg)

### Approvals

Electrical Safety ..... IEC 60950, UL 60950,  
 CAN/CSA-C22.2 No 60950  
 CE Mark .....  
 NRTL Listed (USA and Canada) Hazardous locations:  
 Class I, Groups A, B, C, D, Div 2  
 Class II, Groups F & G, Div 2  
 Class III, Div. 2



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