

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
- One or Five Party Lines

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
- Stainless Steel Enclosure

ICS is GAI-TRONICS' latest generation of Page/Party® and 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:

- External mounting flanges for ease of installation
- Increased cable termination area
- Field-upgradeable to Remote Terminal Unit
- More efficient design requires less power
- Compliance with current and upcoming UL and worldwide approvals.

ICS Indoor Station part numbers:

Indoor Wallmount	Party Lines	Station Type	Control	Handset Cord	Approval	Finish	Options	Entries
8	1	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		CE B UL C1 D2 D	Orange 1 Gray 2 316 Stainless Steel 4	No Options 0 Trop TR A 70/100V R 70/100V, TR S	
	AC Handset/Speaker 1 AC Handset/Speaker/Aux 2 DC Handset/Speaker 5 DC Handset/Speaker/Aux 6			6' PVC 1 15' PVC 2 25' PVC 3 6' Hytrel® 4 15' Hytrel® 5 25' Hytrel® 6				

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

Example:
 An indoor wallmount, multi-party, AC-powered handset/speaker amplifier SmartSeries™ ICS station with a 6' PVC handset cord, UL Class I, Division 2 approvals, orange paint with no options selected, is part number **815-141D100**.

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_{RMS}
 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_{RMS} 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 or
 316 stainless steel
 Finish Safety orange powder coating
 Connections Screw-type barrier terminal blocks
Dimensions
 Enclosure 12.0 H x 8.0 W x 5.0 D inches
 (304.8 x 203.2 x 127.0 mm)
 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
 Environmental Rating Type 12
 Shipping Weight 11lbs (5kg)

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