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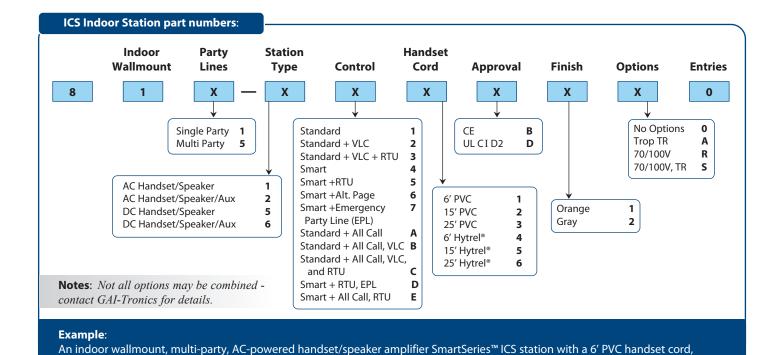
ICS stations are fully compatible with existing GAI-Tronics® Page/Party® and ADVANCE/SmartSeries™ stations and systems, with additional features:

- 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 Stations
Industrial Communication Systems

GAI-TRONICS® HUBBELL®

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

Party Lines
Single Party	1
Multi Party	5

Station Type (left column)
AC Handset/Speaker	1
AC Handset/Speaker/Aux	2
DC Handset/Speaker	5
DC Handset/Speaker/Aux	6

Control
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

Approval
CE	B
UL C I D2	D

Handset Cord
6' PVC	1
15' PVC	2
25' PVC	3
6' Hytrel®	4
15' Hytrel®	5
25' Hytrel®	6

Finish
Orange	1
Gray	2

Options
No Options	0
Trop TR	A
70/100V	R
70/100V, TR	S

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 120/230VAC
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$_{RMS}$ 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

GAI-TRONICS® HUBBELL