ICS - Indoor Stations

Industrial Communication Systems



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.

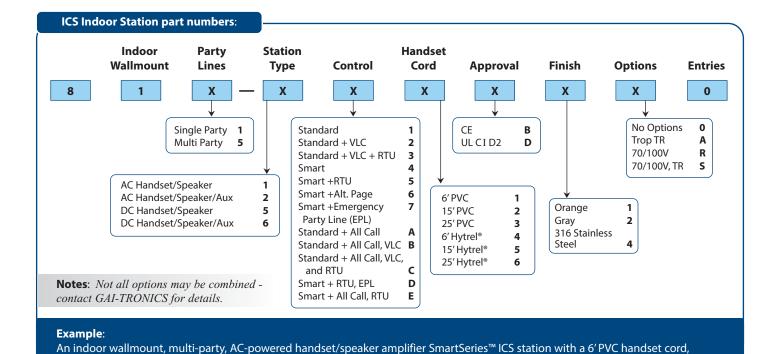
ICS stations are fully compatible with existing GAI-TRONICS Page/Party® and ADVANCE/SmartSeries™ stations and systems, with additional features:

- · 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.

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Specifications

Electrical AC Stations

Supply Voltage
Max Power Consumption
220mA/50.6VA @ 230 V ac
Input frequency range50/60 Hz
DC Stations
Supply Voltage24 V dc
Max Power Consumption
Handset
Microphone
Microphone Noise Discrimination 18dB @ 250Hz
Receiver Dynamic, hearing aid compatible
MaterialABS
External Control
Handset Amplifier
Output Level (compression controlled)
Frequency Response 250-6,500 Hz, +0/-3dB ref. to 1KHz
Distortion
(below compression level)
Receiver Level

Speaker Amplifier

Max Output	6,500 Hz, +0/-3 dB ref. to 1 kHz <3% THD @ 1KHz to 30W
	6KΩ with SmartSeries™ option
Mechanical	oraz with smartseries option
Construction	16 gauge cold-rolled steel or
	316 stainless steel
Finish	Safety orange powder coating
Connections Scre	
Dimensions	71
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 range22°	F to +158° F (-30° C to +70° C)
Relative Humidity	95%, non-condensing
Environmental Rating	Type 12
Shipping Weight	
Approvals	
Electrical Safety	IEC 60950, UL 60950,
	CAN/CSA-C22.2 No 60950
CE Mark	ardous locations:
C1033 111, D1V. Z	



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UL Class I, Division 2 approvals, orange paint with no options selected, is part number 815-141D100.





