

Features

- Fully Compatible with GAI-Tronics® Page/Party® and ADVANCE/SmartSeries™ Systems
- Full Duplex Communication
- Efficient Class D Amplifier
- AC (120/230V) and DC (24V) Versions
- SmartSeries™ Technology
- Ambient Level Sensing (ALS)
- Remote Monitoring
- Remote Terminal Unit (RTU) Operation
- One or Five Party Lines
- PVC or Hytrel® Handset Cords



ICS SmartSeries™ 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 SmartSeries 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 SmartSeries™ 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 SmartSeries™ stations are fully compatible with existing GAI-Tronics® Page/Party® and ADVANCE/SmartSeries™ 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 SmartSeries™ Desktop, Desk-edge and Flush-mount station part numbers:

Mounting	Party Lines	Station Type	Control	Handset	Approval	Finish	Options	Entries
8	X	X — 0	0	X	A	X	0	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' Black PVC¹ 8		Orange 1 Gray 2 Black¹ 3		

Notes:
¹Desktop subsets are only available with a black finish and a 6' Black PVC handset cord.

ICS SmartSeries™ 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	A	X	0	0
	AC Remote Handset/Speaker 4 DC Remote Handset/Speaker 8		Smart 4 Smart +RTU 5			Orange 1 Gray 2		

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
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
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Pub. 100202 Rev. 11/2011



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Quality Management System Certified by DNV - ISO 9001:2008

The policy of GAI-Tronics is one of continuous improvement; therefore the company reserves the right to change specifications without notice.