

### Features

- Fully Compatible with GAI-Tronics® Page/Party® and ADVANCE/SmartSeries™ Systems
- Remote Terminal Unit (RTU) Operation for Input/Output Applications
- Full Duplex Communication
- Efficient Class D Amplifier
- AC (120/230V) and DC (24V) Versions
- SmartSeries™ Technology
- Ambient Level Sensing (ALS)
- Remote Monitoring



**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 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 SmartSeries™ speaker amplifier** versions are utilized for powering speakers where handset intercom stations are not required.

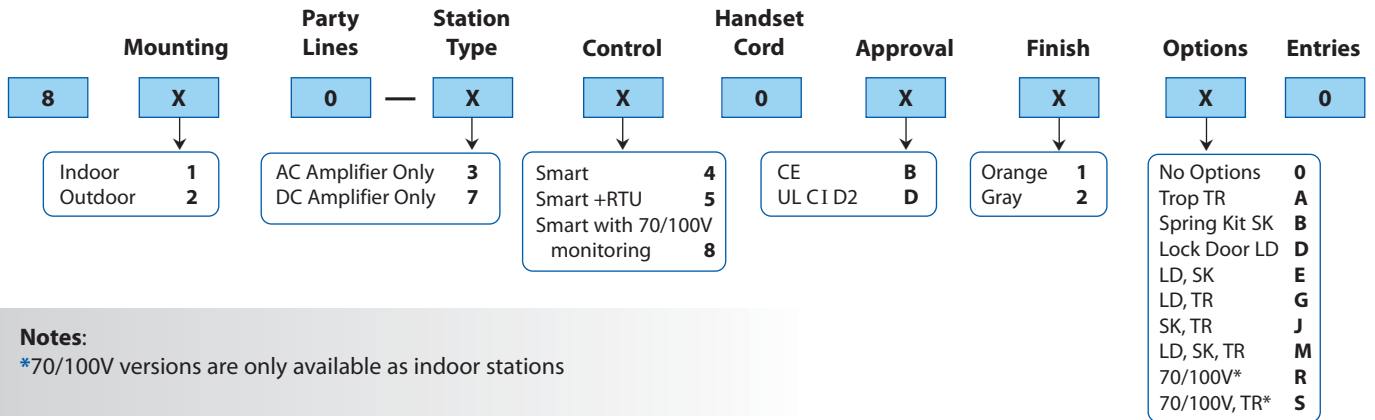
Thirty watt (30W) indoor and outdoor amplifier models are available with a field adjustable 8Ω /16Ω output. An indoor 24W model is available with a field adjustable transformer coupled 70v / 100v line output for long speaker lines (unsupervised).

Indoor and outdoor Wallmount, desktop, flush-mount and desk-edge intercom stations are also available

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

- 30 watt speaker amplifier
- Increased cable termination area
- More efficient design requires less power
- Compliance with current and upcoming UL and worldwide approvals.

**ICS SmartSeries™ Amplifier part numbers:**



**Example:**

An indoor, AC-powered, ICS SmartSeries™ amplifier, UL Class I Division 2 certified, orange paint with no options selected, is part number **810-340D10**.

**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

**8 Ohm 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 ..... 16KΩ

**70/100V Speaker Amplifier**

Max Output ..... 24W 70.7 or 100volts  
 Frequency Response ..... 250–6,500 Hz, +0/-3 dB ref. to 1 kHz  
 Distortion ..... <3% THD @ 1KHz to 24W  
 Input Impedance ..... 16KΩ

**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  
 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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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.