

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**

Options

- **Remote Volume Level Control (VLC)**
- **SmartSeries™ Technology**
- **Ambient Level Sensing (ALS)**
- **Remote Monitoring**
- **Remote Terminal Unit (RTU) Operation for Input/Output Applications**
- **Eight ohm or 70/100V Speaker Amplifier Output**
- **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 Speaker Amplifier versions are utilized for powering speakers where handset intercom stations are not required.

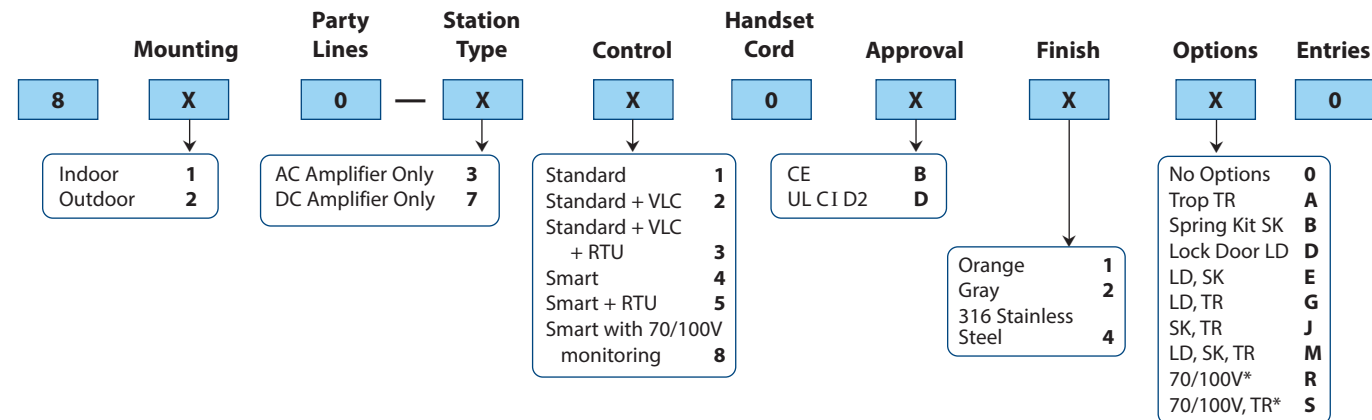
Indoor and outdoor amplifier models are available with a field adjustable 30W, 8Ω output. An indoor 24W model is available with a field adjustable transformer coupled 70v / 100v line output.

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

ICS 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 amplifier part numbers:



Notes:

*70/100V and stainless steel versions are only available as indoor stations
 Not all options may be combined - contact GAI-TRONICS for details.

Example:

An indoor, AC-powered, ICS SmartSeries™ amplifier, UL Class I Division 2 certified, orange paint with no options selected, is part number **810-340D100**.

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

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 50KΩ; 16KΩ with SmartSeries™ option

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 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 (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:
 Outdoor Stations IP66 / Type 4X
 Indoor Stations 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