

## 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

## Options

- One or Five Party Lines
- Handset/Amplifier or Amplifier Only Stations
- Remote Volume Level Control (VLC)
- SmartSeries™ Technology
- Ambient Level Sensing (ALS)
- Remote Monitoring
- Remote Terminal Unit (RTU) Operation for Input/Output Applications



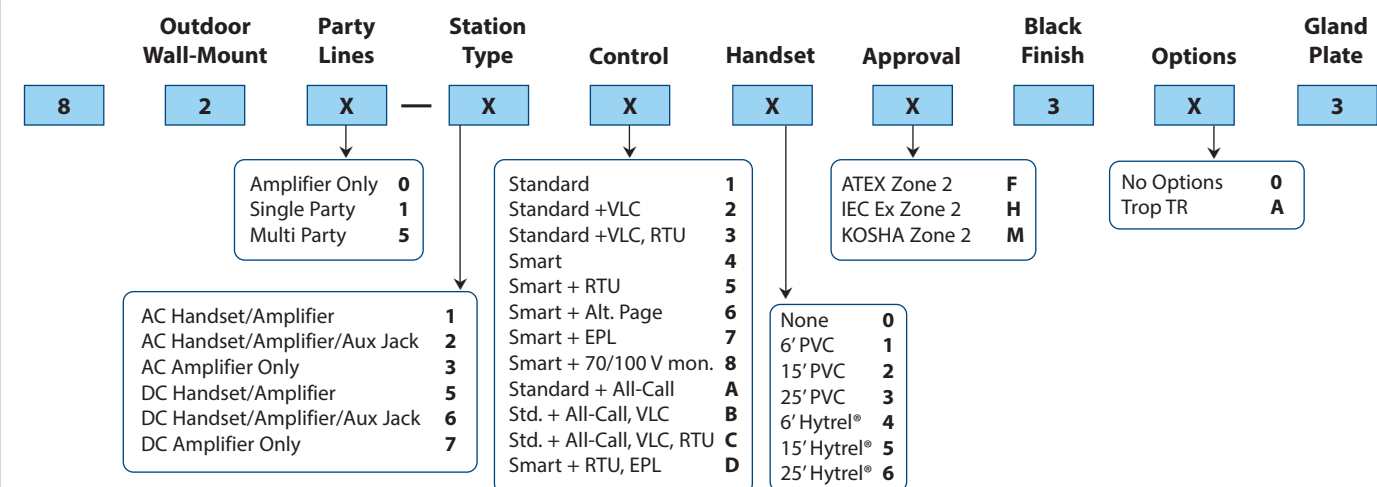
**ICS Page/Party®** is GAI-Tronics' latest generation of Page/Party® and SmartSeries products, and provides two important plant communication functions in one durable, easy-to-operate package, offering paging, and five line intercom capability. Through the page function individuals can be contacted anywhere 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 Page/Party®** 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 Page/Party®** 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.

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

- 30 Watt speaker amplifier.
- Field-upgradeable from standard configuration to:
  - Volume Level Control (VLC)
  - SmartSeries™
  - Remote Terminal Unit
- More efficient design requires less power
- Compliance with current and upcoming worldwide approvals.

**ICS Zone 2 part numbers:**

**Example:**

An outdoor wall-mount, multi-party, AC-powered handset/speaker amplifier Smart ICS station with a 6' PVC handset cord, IEC Ex Zone 2 approvals and no options will be model **825-141H303**

## Specifications

### Electrical

#### AC Stations

Supply Voltage	120/230VAC
Max Power Consumption	640mA/76.8VA @ 120VAC 360mA/82.8VA @ 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

### Handset Amplifier

Output Level (compression controlled)	1.5V <sub>RMS</sub> 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 <sub>RMS</sub> nominal

### Speaker Amplifier

Max Output	30W into 8Ω load with 1.5V <sub>RMS</sub> input
Frequency Response	250-6,500 Hz, +0/-3dB ref. to 1kHz
Distortion	<1% THD @ 1KHz to 24W <3% THD @ 1KHz to 30W
Input Impedance	50KΩ 16KΩ with SmartSeries™ option

### Mechanical

Construction	Black carbon-loaded, glass reinforced polyester
Connections	Screw-type barrier terminal blocks
Dimensions	300 x 300 x 190 mm
Temperature range	-30° C to +69° C
Relative Humidity	95%, non-condensing
Environmental Rating	IP66
Shipping Weight	6.8 kg

### Approvals

CE Mark	
DEMKO 10 ATEX 1010664x	II 3 G Ex ic nA IIC T4 Gc and II 3 D Ex ic tb IIIC T135°C Dc
IECEx UL 10.0038x	Ex ic nA IIC T4 Gc and Ex ic tb IIIC T135°C Dc
KOSHA	Ex iD tD A22 T135° and Ex nL nA IIC T4


**GAI-TRONICS®**

USA Toll Free: 1 (800) 492-1212 Tel: (610) 777-1374 Fax: (610) 796-5954 www.gai-tronics.com  
 UK Tel: +44 (0)1283 500500 Fax: +44 (0)1283 500400 www.gai-tronics.co.uk  
 Italy Tel: +39 02 48601460 Fax: +39 02 93663110 www.gai-tronics.it  
 Malaysia Tel: +60-3-8945-4035 / 8945-7348 Fax: +60-3-8945-4675 www.gai-tronics.com  
 Australia Tel: 011-61-28-851-5000 Fax: 011-61-29-899-2490 www.austdac.com.au

