

## 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.

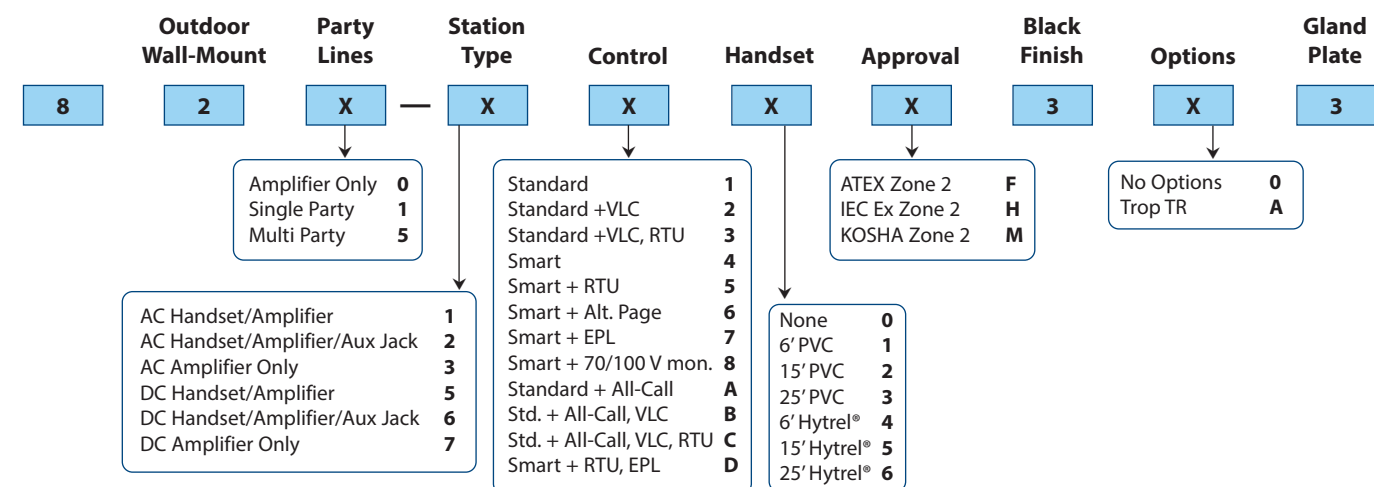
**ICS Page/Party®** is a distributed amplifier system with each station containing a 30W speaker amplifier. Stations/amplifiers are parallel wired, simplifying system design and expansion. Distributed amplifier systems offer major advantages over conventional power amplifier systems. For example, if 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 ..... 120/230 V ac  
 Max Power Consumption ..... 640mA/76.8VA @ 120 V ac  
 ..... 360mA/82.8VA @ 230 V ac  
 Input frequency range ..... 50/60 Hz

#### DC Stations

Supply Voltage ..... 24 V dc  
 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