

Features

- **Distribution of one-way page announcements to up to eight speakers**
- **A high efficiency (>80%) Class D paging amplifier capable of providing up to 1.75 watts to each speaker**
- **Individual monitoring of each speaker for fault conditions**
- **Communication with GAI-TRONICS ADVANCE Emergency Notification System**
- **AC version includes a universal power supply with power factor correction**

Options

- **AC (120/230V) or DC (24V) power**
- **Safety Orange or Gray Powder Coat Finish**



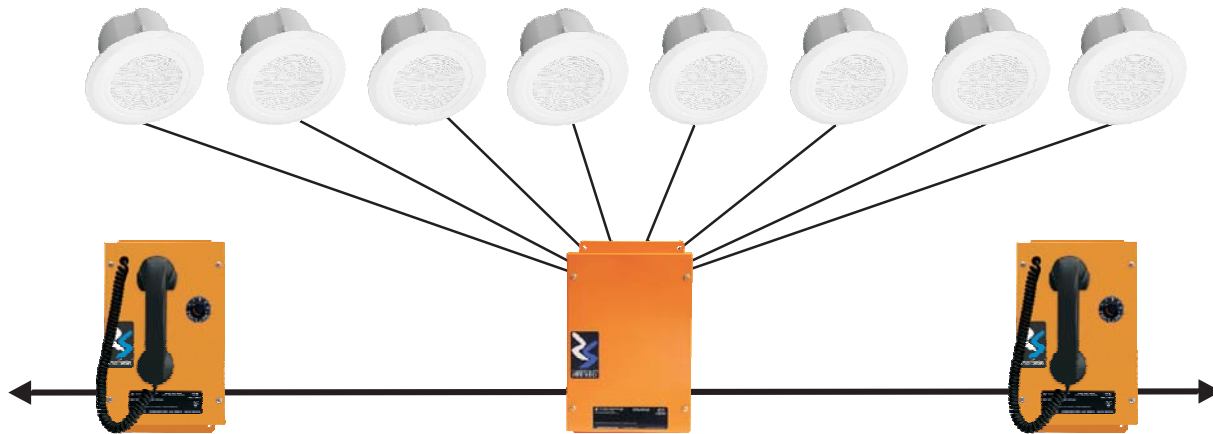
ICS is GAI-TRONICS' latest generation of Page/Party® and SmartSeries™ products, and provides two important plant communication functions in one durable, easy-to-operate package, offering paging, and five line intercom capability. Through the page function individuals can be contacted anywhere in your facility. For further communication, the party line function allows two or more people to converse without being heard over the paging speakers.

The ICS Eight-Speaker Station makes it simple and economical to provide speaker coverage to areas such as crews' quarters and offices where low powered monitored speakers are needed.

The ICS Eight-Speaker station is a speaker amplifier that features eight individual speaker outputs. Any number of these outputs can be used, depending on operational requirements. Each output provides up to 1.75 watts of audio into an eight-ohm speaker. Each output includes a monitoring circuit, capable of detecting fault conditions. In the event of a speaker fault, a message will be generated by the ADVANCE system, identifying the exact speaker that needs attention.

The ICS Eight-Speaker station is fully compatible with any GAI-TRONICS ADVANCE system, and so can easily be added to an existing system, or be an integral part of a new installation.

Sample Layout Drawing



ICS Eight-Speaker station part numbers:

Mounting	Party Lines	Station Type	Eight Speaker	No Handset	Approval	Finish	Options
8	1	0 — X	9	0	X	X	X
		AC Amplifier 3 DC Amplifier 7			UL Safety A CE B	Orange 1 Gray 2	No Options 0 Trop TR A

Example: An indoor wallmount, AC-powered eight-speaker amplifier with UL Safety approvals, orange finish and no options, is part number **810-390A100**.

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 24VDC

Max Power Consumption 1.95A/46.8W

Speaker Amplifier

Max Output 1.75W into each 8Ω load with 1.5V_{RMS} input

Frequency Response 250–6,500 Hz, +0/-3 dB ref. to 1 kHz

Distortion <1% THD @ 1KHz to 24W

<3% THD @ 1KHz to 30W

Input Impedance 16KΩ

Speaker Monitoring Limitations

Max. line length for short detection 3.5Ω series resistance

No. 16 AWG 425 feet

No. 18 AWG 275 feet

No. 20 AWG 170 feet

Mechanical

Construction 16 gauge cold-rolled steel

Mounting Wall or column, four 0.31 inch (7.8mm) mounting holes

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

Shipping Weight..... 12lbs (5.4kg)

Approvals

UL Safety Complies with IEC 6950 and UL 6950

CE Mark Complies with

Low Voltage Directive 73/23/EEC

and the EMS Directive 89/336/EEC

amended by the Directive 93/68/EEC