ICS - Remote Stations

Industrial Communication Systems



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

- One or Five Party Lines
- PVC or Hytrel® Handset Cords
- Remote Volume Level Control (VLC)
- SmartSeries™ Technology
- Ambient Level Sensing (ALS)
- Remote Monitoring
- Remote Terminal Unit (RTU) Operation
- Eight ohm or 70/100V Speaker Amplifier Output



ICS 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 is a distributed amplifier system with each **desktop**, **desk-edge** or **flush-mount station** having a remote 30W speaker amplifier with connecting 10 foot plug and socket cable. Remote 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 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. Wall-mount intercom stations are also available.

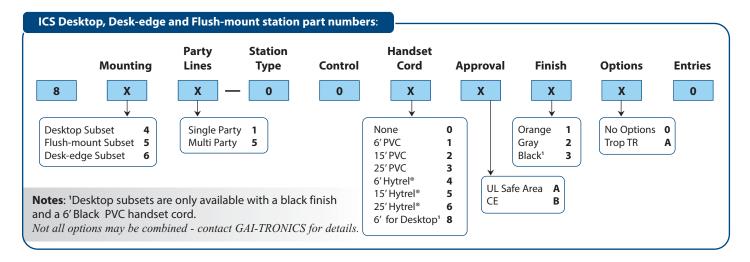
ICS stations are fully compatible with existing GAI-TRONICS Page/Party® and ADVANCE/SmartSeries™ stations and systems, with additional features:

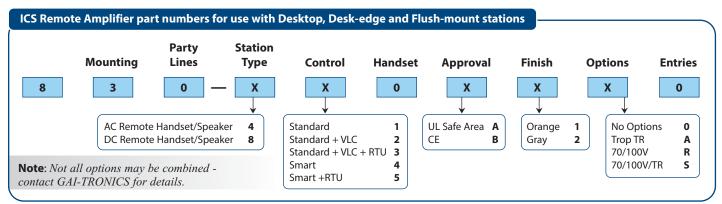
- 30 watt speaker amplifier
- · Dual purpose wall or desk mount station
- · Increased termination area
- Easy connect
- · More efficient design requires less power
- Compliance with current and upcoming UL and worldwide approvals.

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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 range50/60 Hz DC Stations
Supply Voltage24 V dc
Max Power Consumption
Handset
Microphone
Microphone Noise Discrimination 18dB @ 250Hz
Receiver Dynamic, hearing aid compatible
Material ABS
External Control Push-to-page handset pressbar
Handset Amplifier
Output Level (compression controlled)
Frequency Response250-6,500 Hz, +0/-3dB ref. to 1KHz

Handset Amplifier continued:

Distortion<1.5% THD @ 1KF	dz (below compression level)
Receiver Level	200mV _{RMS} nominal

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

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 SafetyIEC 60950, UL 60950, CAN/CSA-C22.2 No 60950



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