



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

ICS Zone 2/22 Weatherproof Page/Party® Station

General Information

This data sheet applies to the GAI-Tronics ICS Zone 2/22 Weatherproof Page/Party® station. This station is fully compatible with existing GAI-Tronics 700 Series Page/Party® systems. It can accommodate conversations on up to five party lines simultaneously. The enclosure is constructed of engineered glass-reinforced plastic, making it extremely weatherproof and corrosion-resistant. It is equipped with terminal strips for connecting system cable.

⚠ WARNING ⚠ Do not install this equipment in hazardous areas other than those indicated on the approval listing in the “Specifications” section. Such installation may cause a safety hazard and consequent injury or property damage.

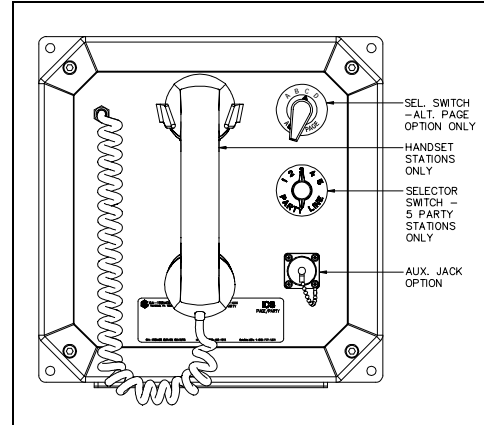


Figure 1. ICS Zone 2/22 Weatherproof Station – Exterior Front Panel with all options

Specifications

Power Requirements – AC/DC Input

AC power supply input voltage 120/230 V ac (nominal), 50/60 Hz
 Power factor @ nominal 120 V ac 0.98
 DC power supply input voltage 24 V dc +/-20%
 Maximum current/power requirements (+/-10%) 8-ohm load @ 30-watt output

Power Consumed(8-ohm load)	24 V DC	120 V AC	230 V AC
Idle	165 mA/4.0 W	70 mA/8.4 VA	90 mA/20.7 VA
30-watt output	1.95 A/46.8 W	400 mA/48.0 VA	220 mA/50.6 VA

Handset

Microphone Dynamic, noise-canceling
 Receiver Dynamic, hearing aid compatible
 Cord Retractable, 6-foot extended, PVC
 Material ABS
 External control Push-to-page handset pressbar

Handset Amplifier

Output level (compression controlled) 1.5 V_{RMS} nominal into 33-ohm load
 Adjustable 0–2.1 V_{RMS}
 Frequency response 250–6,500 Hz, +/-3 dB ref. to 1 kHz
 Distortion <1.5% THD @ 1 kHz (below compression level)
 Receiver level 200 mV_{RMS}, nominal
 Adjustable 150–400 mV_{RMS}

Speaker Amplifier

Maximum output:

8-ohm speaker	30 watts into 8-ohm load with 1.5 V _{RMS} input page level Adjustable to 30 watts; default: 4 watts @ 8 ohms
16-ohm speaker	15 watts into 16-ohm load with 1.5 V _{RMS} input page level Adjustable to 15 watts; default: 2 watts @ 16 ohms
Frequency response.....	250–6,500 Hz, +0/–3 dB ref. to 1 kHz
Distortion	<1% THD @1 kHz to 24 watts <3% THD @ 1 kHz to 30 watts
Input impedance.....	50,000 ohms 16,000 ohms with SmartSeries option
SmartSeries offset level adjustment range	0 to 30 dB

Enclosure Specifications

Construction/finish.....	Black carbon-loaded, glass-reinforced polyester
Mounting.....	Wall or column, four 0.31-inch (8 mm) mounting holes
Termination connections.....	Screw-type barriers terminal blocks
Dimensions	11.8 H × 11.8 W × 4.3 D inches (300 × 300 × 190 mm)
External control.....	Handset hookswitch and party line selector switch on multi-party stations
Shipping weight	15.0 lbs. (6.8 kg)
Net weight.....	14.0 lbs. (6.3 kg)

VLC Option Specifications

VLC minimum input level.....	50 mV _{RMS}
VLC tolerance.....	50 kHz +/-4%

RTU Option Specifications

Output Relay

Maximum load current.....	8 amps OUTPUT 1A (unfused) 1.6 amps OUTPUT 1B (fused)
Maximum voltage	250 V ac

RTU Input Control (with SmartSeries Option)

Switch type.....	Normally open (N.O.) or normally closed (N.C.) dry contacts
End-of-line termination.....	20 kilohm, or 15 kilohm + 5.1 kilohm
Cable resistance	100 ohms maximum loop resistance
Contact closure resistance.....	1 kilohm maximum
Open fault detection.....	>65 kilohm
Short fault detection.....	<200 ohms

Environmental

Temperature range (operation and storage)	–22° F to 158° F (–30° C to 70° C)
Humidity	95% non-condensing
Outdoor environmental rating.....	IP 66

Approvals

CE Mark

Certificate No.
Notified Body ID No. 0539
UL International DEMKO A/S
Lyskear 8
DL-2730 Herlev
Denmark

DEMKO 10 ATEX 1010664	II 3 G Ex ic nA IIC T4 and II 3 D Ex ic tD IIIC T135°C
IECEx UL 10.0038	II 3 G Ex ic nA IIC T4