

PSA Page/Talk Speaker Amplifier Stations



PSA Speaker Amplifier



PSA Speaker Amplifier with ambient noise sensor



Thermoplastic Resin Enclosure for Outdoor Applications

Guardian's PSA Page/Talk Speaker Amplifier gives you the capability of adding extra speakers without the need for a paging station.

	Faceplate finish – TB Nickel Blush
	Housing finish – Hammertone Grey

Guardian Telecom



ISO-9001:2008 Certification
Today's Quality Creates Our Future

FEATURES and BENEFITS

- Compatible with Guardian Page/Talk and GAI-Tronics Page/Party® systems
- Power supply 24 VDC or 24/120/230 VAC
- Approved for Class I & II, Division 2 hazardous areas
- Weather resistant and dust protected
- Corrosion protected & powder coated faceplate
- Powder coated 16 gauge aluminum enclosure
- External speaker hook-up
- Optional water/dust tight thermoplastic resin enclosure, Type 4X & IP66
- Compatible with most other manufacturer's systems

CONTROLS

- Speaker volume output (adjustable from front panel)

APPLICATIONS

This equipment is designed for use in harsh industrial environments and Class I & II Division 2 hazardous areas such as:

- Mines
- Chemical Plants
- Food Processing Plants
- Refineries
- Sewage Plants
- Pharmaceutical Plants
- Cement Plants
- Fertilizer Plants
- Pulp & Paper Mills
- Drilling Rigs
- Construction Sites
- Breweries & Distilleries
- Bulk Loading Stations
- Power Generation Facilities
- Defense Installations
- Grain Processing and Similar Industries and more . . .

INSTALLATION and CONNECTABILITY

Guardian's modular approach to system design gives you the flexibility to set up systems based on exactly what is needed – as well as the ability to integrate equipment already in place. Our common amplifier unit is compatible with Guardian Page/Talk stations, and GAI-Tronics Page/Party® stations. As part of an integrated system, the Guardian Page/Talk series also interfaces with existing detection alarm and process control equipment. With the addition of a Guardian telephone interface unit, Guardian Page/Talk equipment also connects to existing telephone networks.

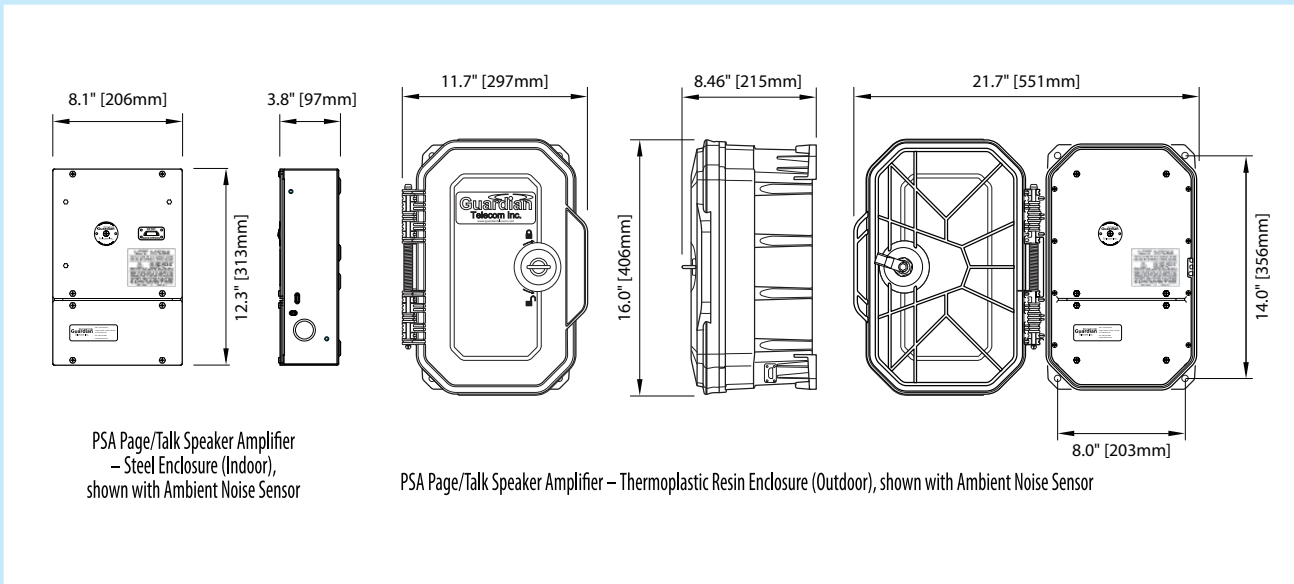
ACCESSORIES and OPTIONS

- Ambient noise level sensor adjusts speaker volume automatically
- Choice of enclosure colors on outdoor enclosure*
- Custom embossed logo or smooth face for label on outdoor enclosure*

Guardian Telecom offers a wide selection of Hazardous and Non-Hazardous speaker options to give you the flexibility to set up your systems based on exactly what is needed.



OVERALL DIMENSIONS



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ENGINEERING SPECIFICATIONS

ELECTRICAL REQUIREMENTS

Input Voltage	20-29 VDC	20-26 VAC	90-140 VAC	200-260 VAC
Power Cycle	n/a	50/60 Hz	50/60 Hz	50/60 Hz
Fuse	1 Amp	1 Amp	0.5 Amp	0.25 Amp

AMPLIFIER REPLACEMENT

Maximum Output Power	12 Watts RMS
Amplifier Gain	50 dB
Frequency Response	250 - 4000 Hz
Distortion	1.0% Maximum THD @ 1000 Hz
Input Impedance	200k Ohms Nominal

CSA COMPLIANCE (Canada and United States)

Class 4818 02	– Signal Appliances – Audible – For Hazardous Locations
Class 4818 82	– Signal Appliances – Audible – For Hazardous Locations Certified to US Standards
Canada:	Class I Zone 1 Ex d IIB+H2 T5
United States:	Class I Zone 1 AEx d IIB+H2 T5; Class II Zone 21

STEEL ENCLOSURE – INDOOR

MECHANICAL SPECIFICATIONS

Body Construction	Powder Coated 16 Ga Aluminum
Faceplate	Corrosion Protected & Powder Coated
Net Weight	10 lbs (4.6 kg)
Shipping Weight	12.0 lbs (5.5 kg)
Shipping Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Mounting	Vertical Wall
Connection to System	Conduit or Cable Gland

ENVIRONMENTAL

Weather Proof Enclosure	CSA Type 3R
Dust & Corrosion Resistant	Full Gasket Faceplate
Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing

THERMOPLASTIC RESIN ENCLOSURE – OUTDOOR

MECHANICAL SPECIFICATIONS

Body Construction	Thermoplastic Resin
Net Weight	13.3 lbs (6.0 kg)
Shipping Weight	15.1 lbs (6.9 kg)
Shipping Dimensions (L x W x D)	20.0" x 15.0" x 12.0" (508 x 381 x 305 mm)
Mounting	Vertical Wall

ENVIRONMENTAL

Water/Dust Tight Enclosure	Type 4X & IP66
Dust & Corrosion Resistant	Full Gasket Faceplate
Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing

ORDERING INFORMATION

Warranty: One year parts and labor

Order No.	Description
P5570	Indoor/Ambient Noise Sensor/Steel Enclosure
P5571	Indoor/Steel Enclosure
P5574	Outdoor/Ambient Noise Sensor/Thermoplastic Resin Enclosure
P5579	Outdoor/Thermoplastic Resin Enclosure

Options

VR-WTE Vandal Resistant Faceplate Screws

Guardian offers a wide selection of Hazardous and Non-Hazardous speaker options to give you the flexibility to set up your system based on exactly what is needed.

Choice of enclosure colors*

Custom embossed logo or smooth face for label*

*(minimum quantity required) – consult with sales agent

WHEN PLACING AN ORDER SPECIFY

- Power Supply 24 VDC or 24/120/230 VAC

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