

# PTD/PDA Page/Talk Desk Station/Amplifier

PDA  
Power Supply  
Amplifier



## FEATURES and BENEFITS

- One common amplifier unit compatible with both single line or five line Guardian Page/Talk, and GAI-Tronics Page/Party® stations
- Power supply 24 VDC or 24/120/230 VAC
- Approved for Class I & II, Division 2 hazardous areas
- Black PVC cover on deskset
- 16 gauge steel zinc dichromate plated deskset base
- Corrosion protected and powder coated faceplate on power supply/amplifier
- Powder coated 16 gauge aluminum enclosure on power supply/amplifier
- Internal speaker on deskset
- External speaker hook-up on power supply/amplifier
- Push-to-page switch on handset
- Noise canceling microphone
- Electronic hook switch provides maximum durability

## CONTROLS

- Microphone gain, receiver volume, side tone and internal speaker volume on deskset
- External speaker (if used) volume on power supply/amplifier
- Optional ambient noise sensor adjusts speaker volume automatically

## APPLICATIONS

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

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



PTD  
Desk Station

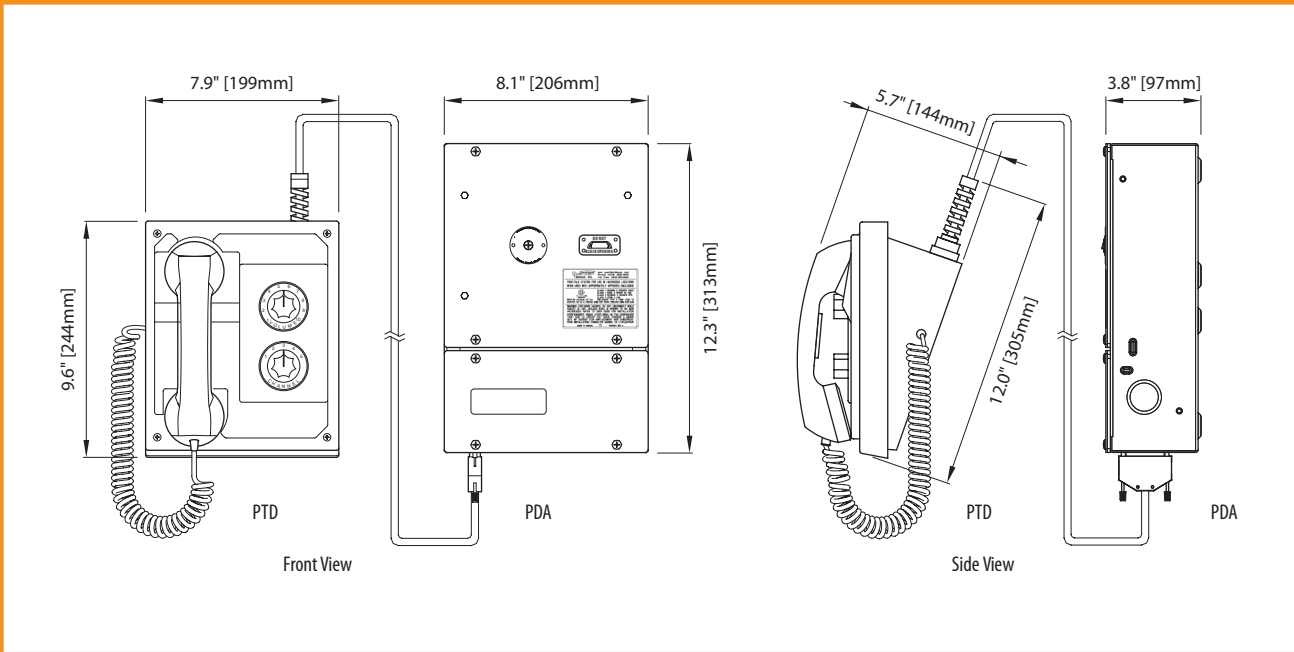
## PTD/PDA SERIES

Guardian Telecom's PTD/PDA Desk Station/Amplifier Station Series is designed to provide safe, reliable and cost effective communications in harsh industrial environments.

They provides easy to operate paging with the versatility of one or five talk lines. Individuals can be paged from any station and two or more people can communicate simultaneously on any available talk line.

	<i>PDA Faceplate finish</i> – <i>TB Nickel Blush</i>
<i>Nickel Prism</i>	
	<i>PDA Housing finish</i> – <i>Hammertone Grey</i>
<i>Hammertone Grey</i>	

## OVERALL DIMENSIONS



PTD - PDA Page / Talk Desk Station / Amplifier

## 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

### DESKSET

Amplifier Gain	50 dB
Frequency Response	250 - 4000 Hz
Distortion	1.0% Maximum THD @ 1000 Hz

### AMPLIFIER

Deskset Maximum Output Power	5 Watts RMS
Power Supply/Amplifier Maximum Output Power	12 Watts RMS
Amplifier Gain	50 dB
Frequency Response	250 - 4000 Hz
Distortion	1.0% Maximum THD @ 1000 Hz
Input Impedance	200 K Ohms Nominal

### MECHANICAL SPECIFICATIONS

#### PTD Desk Station

Body Construction	16 GA Corrosion Protected Steel w/Powder Coated Finish
Faceplate	Fire Retardant Thermoplastic
Net Weight	6.6 lbs (3.0 kg)
Shipping Weight	8.0 lbs (3.7 kg)
Shipping Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Hand Set Construction	High Impact Polycarbonate
Connection to Power Supply	via DB25 Conn. & Extra Hard Usage Cable

#### PDA Power Supply/Amplifier

Body Construction	16 GA Corrosion Protected Steel w/Powder Coated Finish
Faceplate	Corrosion Protected & Powder Coated
Net Weight	10.0 lbs (4.6 kg)
Shipping Weight	11.0 lbs (5.0 kg)
Shipping Dimensions (L x W x D)	16.0" x 10.5" x 9.5" (407 x 267 x 242 mm)
Connection to System	Conduit or Cable Gland

### ENVIRONMENTAL

<b>PTD Desk Station</b>	CSA Enclosure Type 2; Temp. Code T6
<b>PDA Power Supply/Amplifier</b>	CSA Enclosure Type 3R
Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing

### 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, Division 2, Groups A, B, C and D; T6
United States:	Class I, Division 2, Groups A, B, C and D; Class I Zone 2, T6

### ORDERING INFORMATION

Warranty: Three years parts and labor

#### PTD Page / Talk Desk Station complete with Amplifier

Order No.	Description	Single Line Station	Five Line Station	Ambient Noise Sensor
P5590		●		●
P5591			●	●
P5592		●		
P5593			●	

#### WHEN PLACING AN ORDER SPECIFY

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

Distributed by:



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