PTO Page/Talk Outdoor Stations

FEATURES and BENEFITS

- Water/dust-tight thermoplastic resin enclosure, Type 4X & IP66
- The common hand set amplifier unit is compatible with either single line or five line systems
- Power supply 24 VDC or 24/120/230 VAC
- Approved for Class I & II, Division 2 hazardous areas
- Corrosion protected & powder coated faceplate
- External ambient noise sensor adjusts speaker volume automatically
- Off-hook status LED indicator
- Magnetic hook switch provides maximum durability
- Push-to-page switch on handset
- Noise canceling microphone
- Optional headset plug-in for Guardian Telecom industrial headset (not approved for use in hazardous areas)
- Compatible with most other manufacturer’s systems

CONTROLS

- Speaker volume output (adjustable from front panel)
- Ambient noise level sensor (optional)
- Microphone gain
- Receiver level
- Side tone adjustment

APPLICATIONS

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

- Mines
- Chemical Plants
- Refineries
- Sewage Plants
- Cement Plants
- Fertilizer Plants
- Drilling Rigs
- Construction Sites
- Defense Installations
- Bulk Loading Stations
- 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 single line or five line Guardian Page/Talk stations and other competitive products. As part of an integrated system, the Guardian Page/Talk series and other competitive products also interfaces with existing detection alarm and process control equipment. With the addition of a Guardian telephone interface unit, Guardian Page/Talk equipment and other competitive products also connects to existing telephone networks.

Guardian’s PTO SERIES Page/Talk Outdoor station provides easy to operate paging with the versatility of one or five talk lines. Housed in a rugged, thermoplastic resin exterior enclosure, PTO stations have been designed for use in Class I & II, Division 2 hazardous outdoor areas. Individuals can be paged from any station and two or more people can communicate simultaneously on any available talk line.
ENGINEERING SPECIFICATIONS

**ELECTRICAL REQUIREMENTS**

<table>
<thead>
<tr>
<th>Description</th>
<th>20-29 VDC</th>
<th>20-26 VAC</th>
<th>90-140 VAC</th>
<th>200-260 VAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>20-29 VDC</td>
<td>20-26 VAC</td>
<td>90-140 VAC</td>
<td>200-260 VAC</td>
</tr>
<tr>
<td>Power Cycle</td>
<td>n/a</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>Fuse</td>
<td>1 Amp</td>
<td>1 Amp</td>
<td>0.5 Amp</td>
<td>0.25 Amp</td>
</tr>
</tbody>
</table>

**AMPLIFIER**

- 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**

- Body Construction: Thermoplastic Resin
- Faceplate: Corrosion Protected & Powder Coated
- Net Weight: 14.5 lbs (6.6 kg)
- Shipping Weight: 16.5 lbs (7.5 kg)
- Shipping Dimensions (L x W x D): 20.0" x 15.0" x 12.0" (508 x 381 x 305 mm)
- Standard Mounting: Vertical Wall
- Hand Set Construction: High Impact Polycarbonate
- Connection to System: Conduit or Cable Gland

**ENVIRONMENTAL**

- Water/Dust Tight Enclosure: Type 4X & IP66
- 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; Class II Groups E, F and G; T6 |
| United States: Class I, Division 2, Groups A, B, C and D; Class II Groups E, F and G; Class I Zone 2, T6 |

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>P5568</td>
<td>Single Line Station</td>
</tr>
<tr>
<td>P5576</td>
<td>Five Line Station</td>
</tr>
<tr>
<td>P5577</td>
<td>Ambient Noise Sensor</td>
</tr>
<tr>
<td>P5529</td>
<td>Headset Receptacle*</td>
</tr>
<tr>
<td>P5569</td>
<td>PS575</td>
</tr>
<tr>
<td></td>
<td>P5578</td>
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<td>P5528</td>
<td>P5540</td>
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<tr>
<td></td>
<td>PS540</td>
</tr>
<tr>
<td></td>
<td>Push-to-Page Headset*</td>
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</table>

**Options**

- PS540 Push-to-Page Headset*
- Speakers – 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**
- *Models with Headset Receptacle are not certified for use in hazardous areas
- ** (minimum quantity required) – consult with sales agent

**WHEN PLACING AN ORDER SPECIFY**

- Power Supply: 24 VDC or 24/120/230 VAC
- Order No. Description

**Distributed by:**

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Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.