

Zone Selector

Model AS-ZS10

Installation & Operation

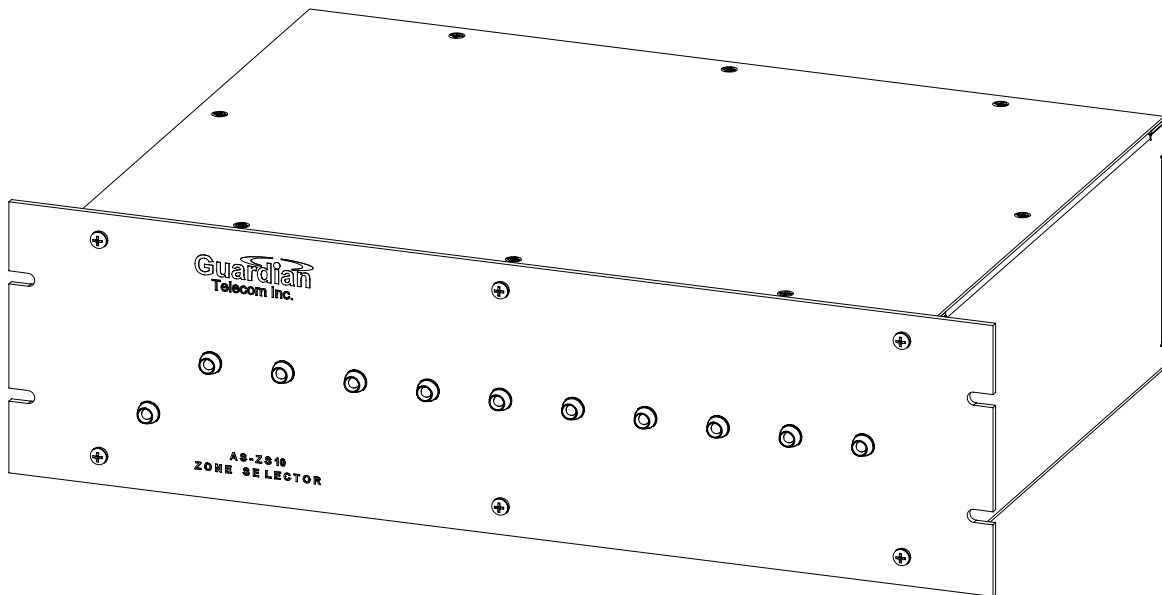


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Package Contents

- (1) AS-ZS10 Zone Selector
- (1) Installation & Operation Manual

Overview

AS-ZS10 Zone Selector

The AS-ZS10 is a high power Zone Selector switcher used in conjunction with a logic control unit such as the Bogen PCM2000. It routes amplified page audio out to 10 selectable zones. Power handling is 1000 Watts per zone. Activated zones are displayed by front-mounted LEDs.

Features

- 16 gauge steel enclosure - zinc dichromate plated and powder coated
- 10 gauge steel faceplate - zinc dichromate plated and powder coated
- Compact 19" rack mount - three rack units (3U)
- Front mounted zone status indicator LEDs
- 1000 Watt power handling (per zone)
- 10 zone switching capable

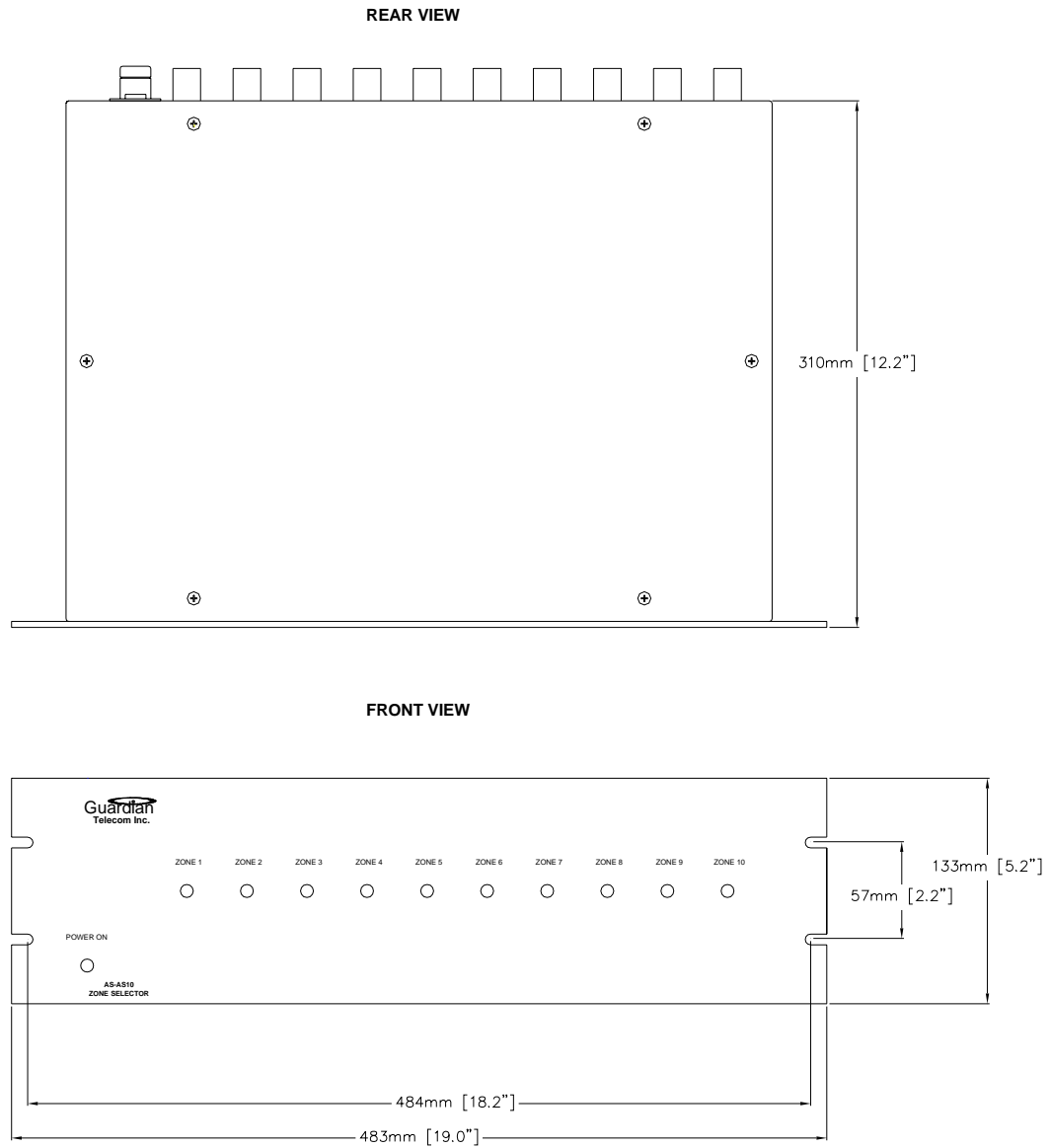


Figure 1 - Dimensions



Figure 2 - Front Plate Features

- ① Power On Pilot Light
- ② Switched Zone Indicator

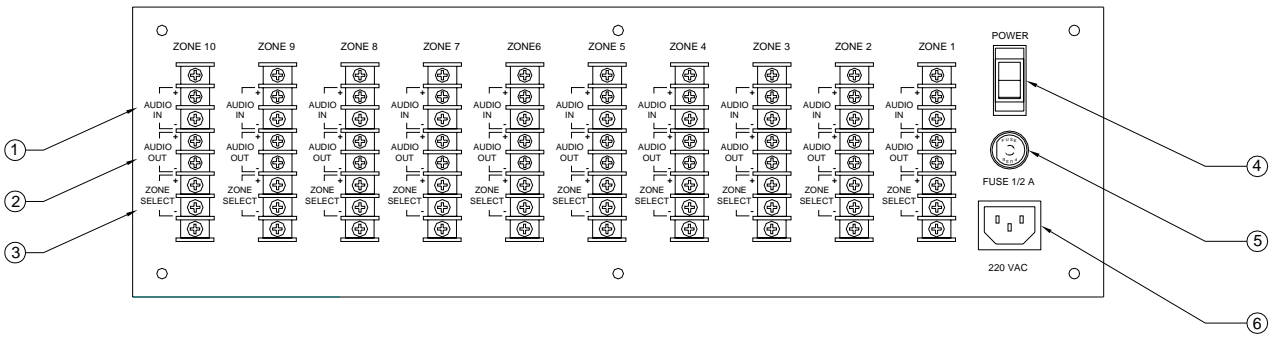


Figure 3 - Back Plate

- ① Audio Input
- ② Audio Output
- ③ Zone Select Logic Input
- ④ On/Off Power Switch
- ⑤ Fuse Holder (0.5Amp)
- ⑥ AC Power Cord Socket

Installing the AS-ZS10

- Inspect the product for shipping damage.
- Follow all appropriate electrical codes and use only approved electrical fittings for the installation.
- Install the unit into the rack.
- Ensure that none of the electrical circuits are live.
- Terminate logic control from logic selector unit of system
- Terminate amplified power output from paging amplifier(s) [Audio Ins]
- Terminate power output to speaker lines of each zone [Audio Outs]
- Power up the unit
- Check power pilot light for turn-on status.

Tip: If the product is damaged, notify the carrier immediately.

Tip: Two rack units are required

Testing/Operation

- After installation is complete apply amplified audio input signals to each zone accordingly. Commence testing by applying respective logic control signals to each zone input of the AS-ZS10. The internal switching relay can be heard activating and the zone indicator LED will illuminate on the front panel when the zone is triggered. Check for audio output from the selected zone. After the logic control signal is released the zone will reset to off status, the front LED will go out and audio will be terminated to zone output.

Field Repairs & Adjustments

Field repairs and adjustments may only be carried out by qualified technicians. This device has no user serviceable internal components. The only maintenance possible is the replacement of the fuse – which is available from the back panel.

Fuse Replacement

- Remove the old fuse by pushing in the end cap of the fuse holder and turning counterclockwise to open. Insert a new 0.5 amp, 250Volt, 3AG fast blow fuse and close the fuse holder.

WARNING!

- Replace only with a 0.5 amp 250V 3AG fast blow fuse. Failure to do so will void the warranty.

See: Figure 3 - Back Plate

| Engineering Specifications | |
|--|---|
| <i>ELECTRICAL</i> | |
| INPUT SUPPLY VOLTAGE | 120/230 VAC |
| FUSE | 0.5 AMP 250VAC TYPE: 3AG FAST BLOW |
| <i>LOGIC INPUTS</i> | |
| TEN LOGIC INPUTS ACTIVATED BY DRY CONTACT, OPEN DRAIN, OR OPEN COLLECTOR SWITCHES CAPABLE OF HANDLING MIN.10mA | |
| <i>AUDIO INPUTS</i> | |
| TEN PAGE LINES OF 70V/100V, 1000 W MAX. | |
| <i>AUDIO OUTPUTS</i> | |
| TEN PAGE LINES OF 70V/100V, 1000 W MAX. | |
| <i>DISPLAYS</i> | POWER ON LED TEN ZONE ACTIVATED LEDs |

Warranty

Guardian Telecom warrants your product to be free of defects in material and workmanship for a period of one year. Guardian Telecom will repair or replace any defective unit that is under warranty free of charge.

This warranty is null and void if any non-authorized modifications have been made to this product, or if it has been subjected to misuse, neglect, or accident. This warranty covers bench repairs only; such repairs must be made at Guardian Telecom or an authorized service depot. Guardian Telecom is not responsible for costs incurred for on-site service calls, freight, or brokerage.

A return authorization must be obtained prior to warranty claims or repairs.

Disclaimer

The products covered by this manual are designed for use in Industrial Environments and/or Hazardous Locations. Due to the range of possible applications for these instruments the manufacturer will not be responsible for damages or losses of any kind suffered as a result of the use of this product, including consequential damages.

Warning

This device has no user serviceable internal components; the only maintenance possible is the replacement of the fuse – which is available from the back panel.

Service Number

1-800-363-8010

Guardian Telecom provides a customer service number which is toll-free within North America. If you need assistance when installing or operating this product, please call the toll-free number between regular business hours (8:00AM-5:00PM), Mountain Standard Time. If you are calling outside of regular business hours, please leave a detailed message, and a member of Guardian Telecom's Service Department will return your call as soon as possible. If your product requires service, Guardian personnel will supply you with an RMA (return materials authorization) number over the telephone or through our web site product return page. This number must be included with your return address and the name of the person to contact.

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Feedback

Guardian Telecom continually strives to make reliable, durable, and easy to use products. If you, as an installer or user of our equipment, have any suggestions for improvements to this or any of our products or documents, including this manual, we would appreciate hearing from you.

| Guardian Product Return |
|---|
| Guardian products have been quality tested and are in full working order when shipped from the factory, given the rugged nature of these products shipping is not expected to damage a unit. In the unlikely event of a malfunction, Guardian follows the three step procedure below. |
| <i>Step I - On-Site Correction</i> |
| <ul style="list-style-type: none">• The most common source of difficulties with a new product is improper installation in one of two ways: incorrect wiring connections or connection to an incorrect power source.• Product wiring needs to be properly connected to the on-site wiring. Correct wiring instructions are shown in the user manual included with the product.• Connecting a to a standard power source, rather than tip & ring, will blow the 's internal, user-replaceable fuse. In the event of fuse burn-out, disconnect the from the power source, replace the fuse, and reconnect following the wiring diagrams provided with the product. |
| <i>Step II - Return Materials Authorization (RMA)</i> |
| <ul style="list-style-type: none">• When a product has been installed following user manual instructions, and the unit fails to operate, the user must contact Guardian Telecom to obtain authorization to return the product. This can be done by completing a RMA form online at www.guardiantelecom.com, or by calling the service number given in this manual.• After providing information on the product, the owner and the nature of the problem, Guardian will issue a RMA number, to be shown on documentation returned with the product.• In addition to the RMA number, shipping documents should include name, address and number of the owner along with contact information for the person responsible for the repair and/or the user who identified the malfunction.• (Where a product is being returned for repair from outside of Canada, customs documentation must show the product's serial number, date of export [date of purchase], and a notation that the equipment is: "Canadian goods returning.") |
| <i>Step III - Factory Authorized Service</i> |
| <ul style="list-style-type: none">• Once received, each product is carefully inspected and tested. If the product is under warranty, repairs are completed and the product returned to the owner, generally within five working days of receipt by the factory.• A product that has been subjected to misuse, neglect or accident or is beyond the warranty period will be evaluated. The service department will provide the owner's representative with a repair cost estimate. Once approved, repairs are completed and the product returned, generally within five working days. |



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