

# AS12 SERIES

## Automatic Amplifier Switch

### AS12 SERIES AUTOMATIC AMPLIFIER SWITCH

AS12 - Automatic Amplifier Switch / Rugged and Moderately Harsh Areas



AS12 Automatic  
Amplifier Switch

### FEATURES and BENEFITS

- Simultaneously monitors up to four paging amplifiers to integrate one stand-by amplifier
- Instantly detects and indicates amplifier failure
- Automatically transfers output from a failed amplifier to the stand-by amplifier
- Visually indicates amplifier status
- Maintains historical visual indicators
- Automatically resets amplifiers to normal once a fault is corrected
- Suitable for 70 volt audio amplifiers up to 1200 watts
- Compact – fits on standard 19" equipment rack

### PA/GA RANGE

The primary way to communicate around industrial manufacturing plants is utilizing a facility Public Address/General Alarm (PA/GA) system. This type of system serves as a vital link between the operators in the facility's main control room and personnel who work within the plant in capacities that include system maintenance, engineering, process analysis and site security. Not only is the PA/GA system used for routine select or zone communication, it also is the primary communication medium used for critical emergency response broadcasting.

### AS-ZS10 SERIES

Guardian Telecom's AS12 Automatic Amplifier Switch continuously monitors amplifier signals and automatically switches to a standby amplifier if one fails. Capable of monitoring four amplifiers simultaneously, the AS12 instantly detects faults, automatically switches to a stand-by and visually indicates amplifier status.

Clearly visible LED's on the front panel indicate the status of each amplifier so any fault can be quickly identified and corrected. The AS12 also maintains historical visual indicators for tracking the amplifier failure.

As a part of an integrated industrial emergency/communications system, the AS12 ensures uninterrupted communication in the event of an amplifier failure.

### APPLICATIONS

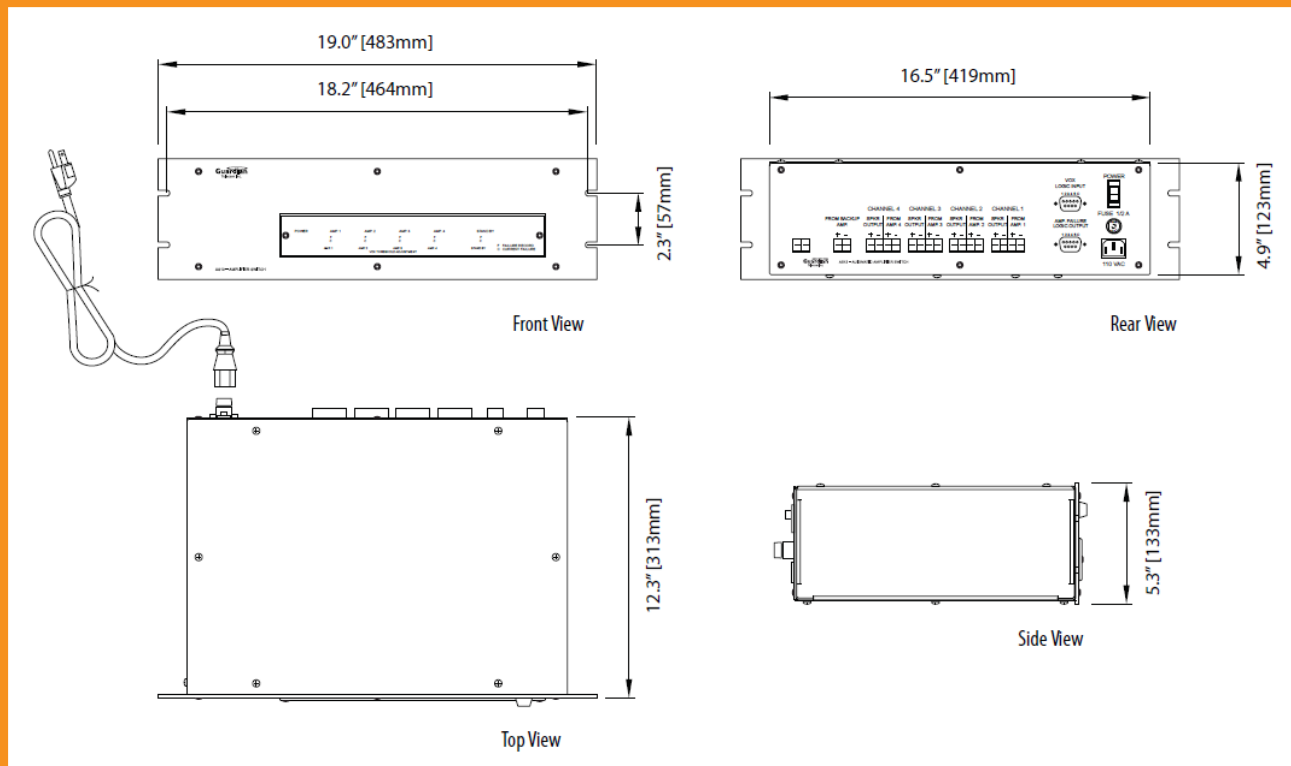
This product is designed for use in industrial environments such as:

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

The AS12 Automatic Amplifier Switch is one component in Guardian Telecom's full line of reliable, hard working paging system products – all designed for easy installation and connectability. The AS12 can be ordered separately or as part of an integrated system that includes distribution amplifier, amplifiers and multi-tone alarm generator. Guardian's trained representatives will work with you to customize a safe comprehensive alarm and public address system for your operations.

## OVERALL DIMENSIONS



AS12 Automatic Amplifier Switch

## ENGINEERING SPECIFICATIONS

### ELECTRICAL REQUIREMENTS

Input Supply Voltage	120/230 VAC
Maximum Current Consumption	12 VA
Fuse	0.5 A @ 120 VAC 0.25 A @ 250 VAC

### AUDIO PERFORMANCE

#### Audio Inputs

Maximum Power	1200 Watts @ 70 V
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#### Audio Outputs

Maximum Power	1200 Watts @ 70 V
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### LOGIC PERFORMANCE

#### Logic Inputs

Logic Input Enable	Connect to Ground
Logic Input Disable	Leave Open
Recommended Activating Devices	Dry Contact Relays
Minimum Open Collector/Open Drain Current Capacity	100 mA

#### Logic Outputs

Normal	Open Drain Output Open
Failure	Open Drain Output Closed
Maximum Open Drain Output	40 VDC, 1A Maximum

### AUDIO MONITOR CIRCUIT

Response Bandwidth	200Hz -8 KHz
Minimum Activating Input	1 VRMS
Amplifier Fail Delay	600 mS

### MECHANICAL SPECIFICATIONS

Body Construction	16 Ga Steel
Face Plate Construction	10 Ga Steel
Body Dimensions (H x W x D)	4.9" x 16.5" x 12.3" (123 x 419 x 313 mm)
Face Plate Dimensions	19" x 5.3" (483 x 133 mm)
EIA Standard 3 Rack Unit	
Net Weight	14 lbs (6.4 kg)
Shipping Weight	16.0 lbs (7.3 kg)
Shipping Dimensions (L x W x D)	20.0" x 15.0" x 11.5" (508 x 381 x 293 mm)
Mounting	EIA Rack Mount
Connecting Audio and Logic	Curtis GFTX - W8
Paint	Epoxy Powder Coat

### ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P8300	AS12 Automatic Amplifier Switch

Distributed by:



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