

DA388 SERIES

Distribution Amplifier



DA388
Distribution Amplifier

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.

DA388 SERIES

Guardian Telecom's DA388 Distribution Amplifier is a line level pre-amplifier for use in public address and alarm systems. As part of the integrated system, the DA388 recognizes audio inputs – telephone access, background music, voice signals and alarm tones – and boosts the signal before distribution. The DA388 is designed to prioritize audio input signals and distribute the signal to multiple power amplifiers without degrading audio quality.

The DA388 has three audio inputs to facilitate telephone, tuner, tape, CD player, or other page input sources. All inputs have individual volume controls for balancing levels into the DA388. The highest priority audio input is controlled by a single logic input. Two of the audio inputs are controlled by eight logic inputs giving you the flexibility to select a single output or a combination of outputs for the audio signal.

Outputs on the DA388 provide a combination of external and internal controls and are volume adjustable. Each of the eight externally controlled outputs generates a VOX logic output signal. Threshold adjustments determine the minimum audio level necessary to turn VOX logic on and off.

DA388 SERIES DISTRIBUTION AMPLIFIER

DA388 - Distribution Amplifier / Rugged and Moderately Harsh Areas

FEATURES and BENEFITS

- Line level pre-amplifier
- Allows connection of low level audio signals to multiple amplifiers
- Maintains signal quality
- Distributes signals to multiple power amplifiers
- Assigns priorities to audio input signals
- Uses logic control to switch audio inputs to selected audio outputs
- Output signals generate a VOX logic output signal
- Two audio outputs mirror the highest priority audio inputs
- LED status indicators
- Internal volume adjustments for each input and output
- Compact – 19" (483mm) rack mount
- Ideal for use with Guardian Telecom AS12 Automatic Amplifier Switch

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

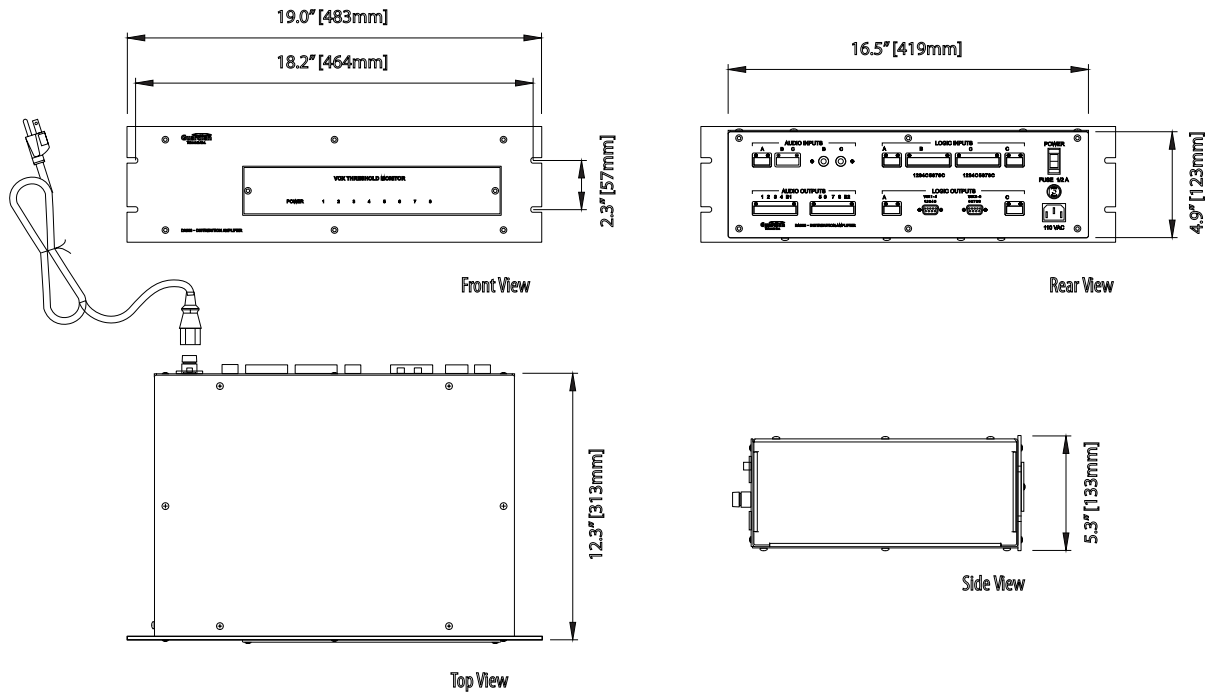
The DA388 is one component in Guardian Telecom's full line of reliable, hard working paging system products – all designed for easy installation and connectability. The DA388 can be ordered separately or as part of an integrated system that includes amplifiers, automatic amplifier switch and multi-tone alarm generator. Guardian's trained representatives will work with you to customize a safe comprehensive alarm and public address system for your operations.



tough. trusted. true.



OVERALL DIMENSIONS



DA388 Distribution Amplifier

ENGINEERING SPECIFICATIONS

ELECTRICAL REQUIREMENTS

Input Supply Voltage
Maximum Current Consumption
Fuse

120/230 VAC
250 MA
0.5A @ 120 VAC
0.25 @ 250 VAC

AUDIO PERFORMANCE

Audio Inputs

Channel One
Maximum Voltage
Input Impedance

1 V RMS
600 Ohms Balance

Channels Two & Three
Maximum Voltage
Input Impedance

650 mV RMS
10K Ohms Balance

Audio Outputs

With External Control
With Internal Control
Maximum Voltage
Input Impedance

8 Outputs
2 Outputs
1,700 mV
10K Ohms Balance

LOGIC PERFORMANCE

Logic Inputs

Channel 1
Channels 2 & 3
Recommended Activating Devices

One 5 V TTL Logic - Controls All Audio Output
Eight 5 V TTL Logic - One Logic Control per Outlet
Dry Contact Relays, Open Collector Output,
or Open Drain Output Devices

Logic outputs

VOX Controlled
Input Control

Eight Open Drain
One Open Collector, Input Controlled from Channels 1 and 2

MECHANICAL SPECIFICATIONS

Body Construction
Face Plate Construction
Body Dimensions (H x W x D)
Face Plate Dimensions
EIA Standard 3 Rack Unit
Net Weight
Shipping Weight
Shipping Dimensions (L x W x D)
Mounting
Connecting Audio and Logic
Paint

16 Ga Steel
10 Ga Steel
4.9" x 16.5" x 12.3" (123 x 419 x 313 mm)
19" x 5.3" (483 x 133 mm)
14.0 lbs (6.4 kg)
16.0 lbs (7.3 kg)
20.0" x 15.0" x 11.5" (508 x 381 x 293 mm)
EIA Rack Mount
Phenonix Mini-combicon Logix OB-9
Epoxy Powder Coat

ORDERING INFORMATION

Warranty: Five years parts and labor

Order No.	Description
P8200	DA388 Distribution Amplifier

Distributed by:



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