

# DAS-01EX

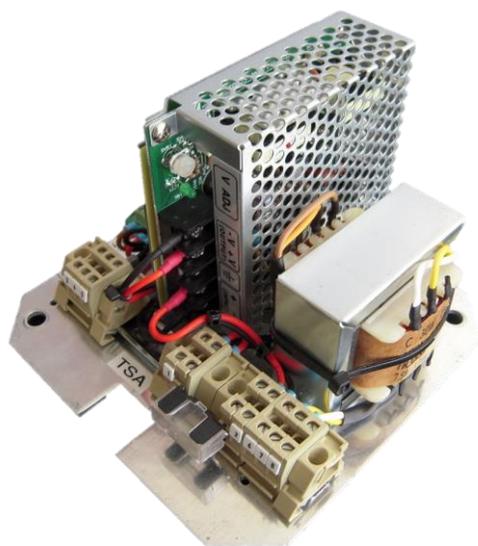
## 30 W<sub>ATT</sub> ZONE 1 ATEX AMPLIFIER



DS-053 Issue 07

Thank you for your interest in Ziztel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries.

The DAS01Ex is a Zone 1 certified audio power amplifier unit which can be used as a stand-alone voice paging amplifier or as part of a distributed PAGA - Page / Party broadcast system. The unit can be equipped with optional ADS1200 transceiver to enable fibre optic connectivity.



### DAS-01EX AUDIO POWER AMPLIFIER

*30 Watt audio power amplifier – drives two 15 Watt paging speakers*

*Direct termination of field cables - eliminates local junction box*

*ATEX certified – Safe for use in hazardous areas*

Ziztel DAS-01 Ex is a high power industrial amplifier designed specifically for service in severe environmental conditions including potentially explosive atmospheres.

The unit is available in two models:

- DAS-01 is an industrial pattern unit for use in safe areas, (see datasheet DS261).
- DAS-01Ex is designed to allow use in hazardous areas and is available with either ATEX or NEC certification (to order).

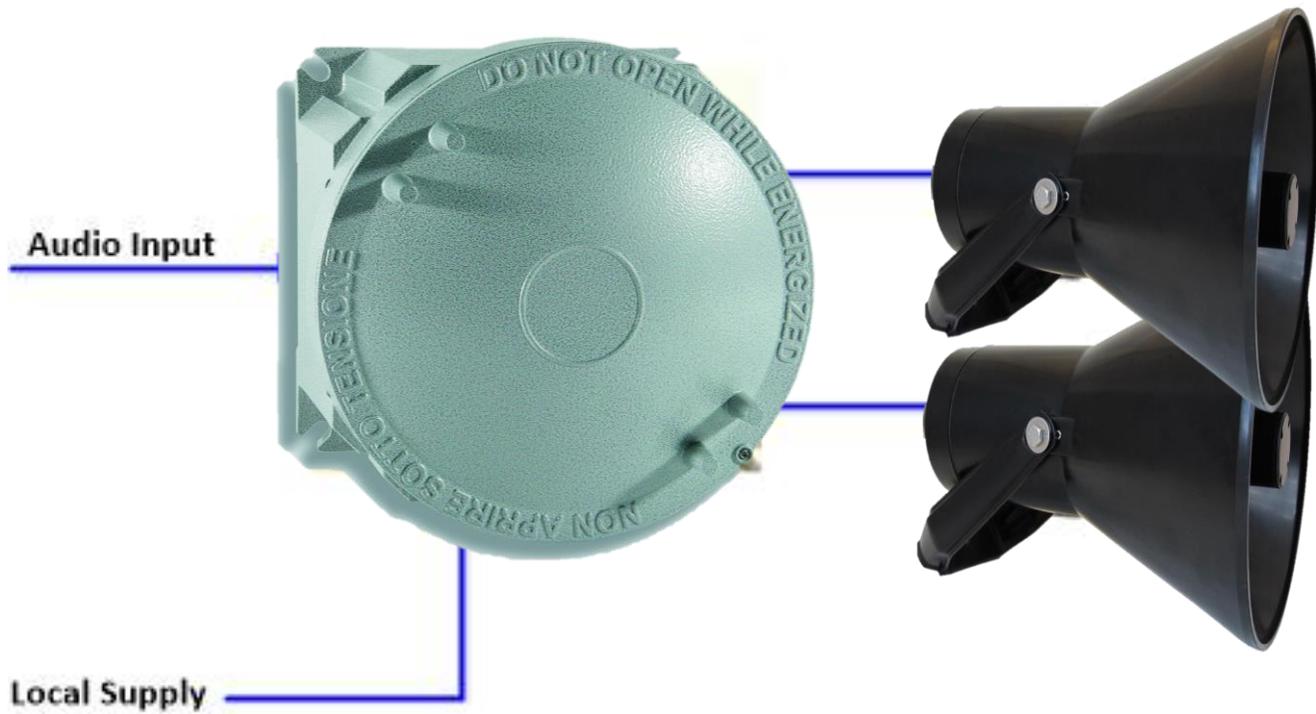
The DAS-01Ex consists of a compact bulkhead mount explosion proof enclosure which houses a powerful 30W<sub>PEAK</sub> amplifier which can drive single or arrays of 100 / 70 Volt line loudspeakers. The DAS-01Ex is energised by AC mains supply with option available 24 V or +48 V<sub>DC</sub> input. The DAS-01Ex can be used in conjunction with page/party handset(s) to allow a complete voice/alarm broadcast/intercommunication system or can be used stand alone with MG600 Exi microphone enabling a complete public address system to be installed in a Zone 1 hazardous area. Cable entry to the DAS-01Ex is by pre-cut 20mm penetrations as follows:

- |                                |        |
|--------------------------------|--------|
| • Field cable loudspeaker loop | In/Out |
| • Field cable loudspeaker loop | In/Out |
| • Power Supply                 | In     |
| • Audio Input                  | In     |

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Mini-DIN rail mounted terminal blocks ensure that there are secure replaceable screw-clamp terminals for each cable input. The DAS-01Ex can be energised locally or can derive common +24 / 48 V<sub>DC</sub> power from a centralised distribution panel if required.



Technical Specification	
Supply	90 to 240 VAC 50 / 60 Hz (+24V <sub>DC</sub> / +48V <sub>DC</sub> to order)
Tolerance	+/-10%
Consumption maximum	30 VA / Watts
Consumption quiescent	3 VA / Watts
Frequency Response -3dB points	150Hz – 15 KHz
Distortion THD	>1%
Regulation	>1dB
Input sensitivity	0dBm
Output	100 Volt line (70 V line to order)
Output power maximum	30Watts <sub>PEAK</sub>
Material	LM6 marine grade alloy
Dimensions	150mm x 150mm x 150mm
Weight	5kg
Certification	ATEX Zone 1 IIC T4 Zone 1
IP Rating	IP66

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