

DAS-04

MUSTER EMERGENCY INTERCOM AMPLIFIER

DS-299 Issue 01



Thank you for your interest in Zitzel - 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.

Consequently our products are very robust and designed to comply with international standards.

Please do not hesitate to contact us for further information on our products we look forward to working with you on a project soon...

DAS-04 SAFE AREA INTERCOM AMPLIFIER

Weatherproof integrated

8 Watt audio power amplifier – paging capability

Distributed muster intercom / emergency open channel voice communications, no central equipment required

Free topology – loop or radial or star wired system architecture works on standard 1-pair cable

Zitzel DAS-04 is a high power industrial amplifier designed specifically for service in severe environmental conditions including exposed marine conditions.

The base unit is available in two models:

- DAS-04 is an industrial pattern unit for use in safe areas.
- DAS-04 Ex is designed to allow use in hazardous areas and is available with ATEX certification allowing safe operation in Zone 1 and 2 locations (see data sheet DS204).

The DAS-04 consists of a compact bulkhead mount weather proof enclosure which houses a powerful 8 Watt amplifier (enabling drive of a local loudspeaker), open channel exchange, barrier set (to allow connection of a Zitzel AP10-02-11 wall mount noise cancelling microphone station or a console mount assembly type DASo4SCM).

An optional integral mains battery supply ensures continued service in event of primary AC power disconnection and supports no break autonomy for 30 minutes of 'talk time'.



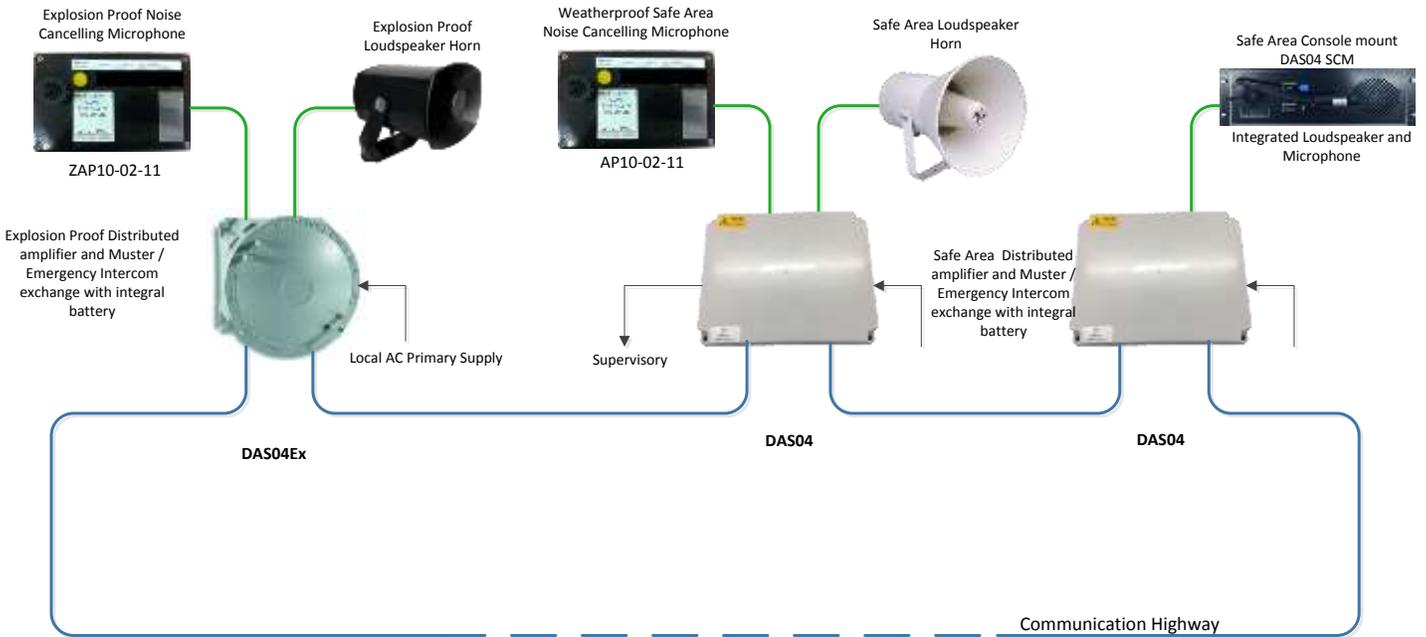
The unit is totally self-contained there is no central equipment required or dependency on other stations, a system is established by inter connecting two or more DAS-04Ex / DASo4 stations together with a single pair cable, by specifying a loop based field cable connectivity architecture the system maintains operation in event of a single open circuit cable connection. Maximum number of stations on a network is 100 outstations operating on a single twisted pair cable minimum CSA / conductor is 0.75mm.

ZITTEL LIMITED

email: sales@zitzel.com web: www.zitzel.com tel: +44 (0) 115 9202888
mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

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DASo4 / DASo44Ex Emergency Intercom



Technical Specification

Supply	+12V _{DC} internal, 90V _{AC} - 254V _{AC} 50/60Hz primary supply
Autonomy	30minutes talk time (optional battery supply)
Consumption maximum	12VA
Consumption quiescent	2VA
Frequency Response -3dB points	150Hz – 10kHz
Distortion THD	>2%
Regulation	>1dB
Input	AP10-02-11 microphone station or DASo4SCM
Output	4Ω – 20Ω loudspeaker
Output power maximum	8 Watts
Material	Plastic
Dimensions	300mm x 240mm x 130mm
Weight	3kg
Supervisory	Dry Contact rated 24VDC @ 1A and odBm 600Ohm event recorder O/P
IP Rating	IP66

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