

DAS-06EX

PARTY / PAGE ZONE 1 ATEX AMPLIFIER

DS-307 Issue 01



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 DAS06 Ex is a Zone 1 party page controller and audio power amplifier unit which supports up to five (5) open channel party lines and site wide voice and alarm public address. The unit can operate in systems comprising of in excess of 100 DAS06 outstations.

PARTY PAGE COMMUNICATIONS

15 Watt audio power amplifier – paging capability

Push button line selection - eliminates legacy mechanical rotary switches

ATEX certified – Safe for use in hazardous areas

Ziztel DAS-06 Ex consists of a compact bulkhead mount explosion proof enclosure which houses a powerful 15 W_{att} paging amplifier (which can drive single or arrays of low impedance loudspeakers), a party line interface enabling omnibus duplex handset speech and a communications management subsystem. The DAS-06 Ex can be energised by local AC mains supply with options available for 24 V or +48 V_{DC} input. The DAS-06 Ex is designed for use with a standard analog telephone handset allowing a totally decentralised complete voice broadcast and intercommunication package. No central PBX is required although the DAS06 Ex can be configured to allow the handset to share both Party / Page and PBX service if required. Conventional Page / Party solutions employ a mechanical rotary switch to allow the user to select a party line, the Ziztel solution eliminates this weakness in the concept by enabling the use of key pad dial entry. Single digit dialling enables automatic address of site wide loudspeaker paging, selection of party line 1 to 5. The DAS-06 Ex supports the following connections – line in / out, loudspeaker and supply input.

Cable entry to the DAS-06 Ex is by pre-cut 20mm penetrations as follows:

- | | |
|----------------------------|----------|
| • Field cable line | In / Out |
| • Local paging loudspeaker | Out |
| • Power Supply | In |
| • Handset | In |



ZIZTEL LIMITED

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

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

Page – press # and release, handset broadcasts speech to all paging loudspeakers (except the local loudspeaker)

Page channel clears down:

- 1] Return handset to cradle
- 2] Make a party line selection
- 3] After a pre - set time



Party – press 1 – 5 and release, handset is now connected to the selected party line

Selected Party line clears down:

- 1] Return handset to cradle
- 2] Make a different party line selection
- 3] After a pre – set time



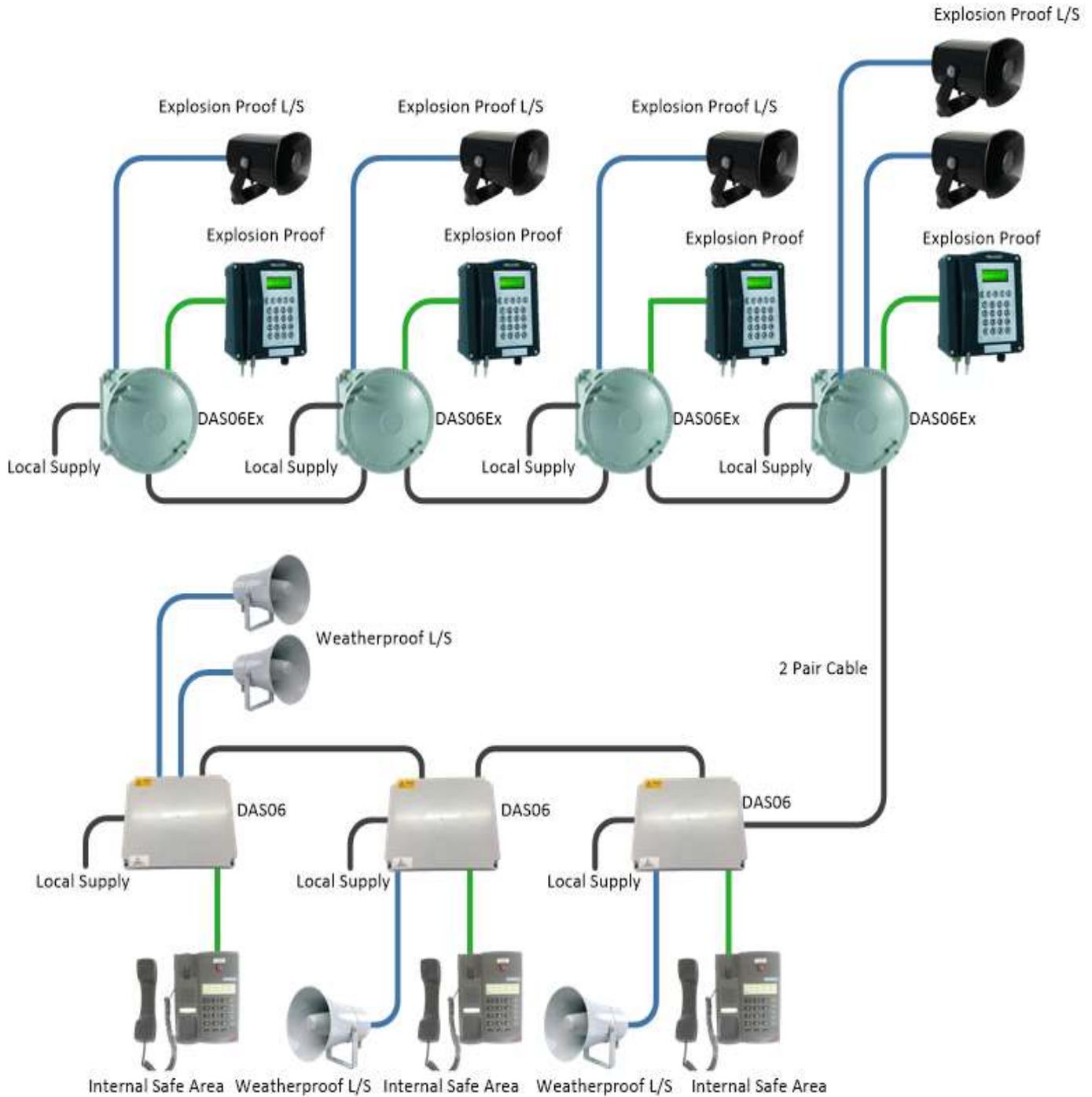
The DAS-06 Ex supports from one to five party line channels – each channel engages a single twisted pair inter station connecting cable. The minimum cable pair assignment is a two pair (page and party communications).

ZIZTEL LIMITED

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

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

The diagram shows a typical Party Page communications system and in this example both explosion proof and safe area subscribers are included.



ZIZTEL LIMITED

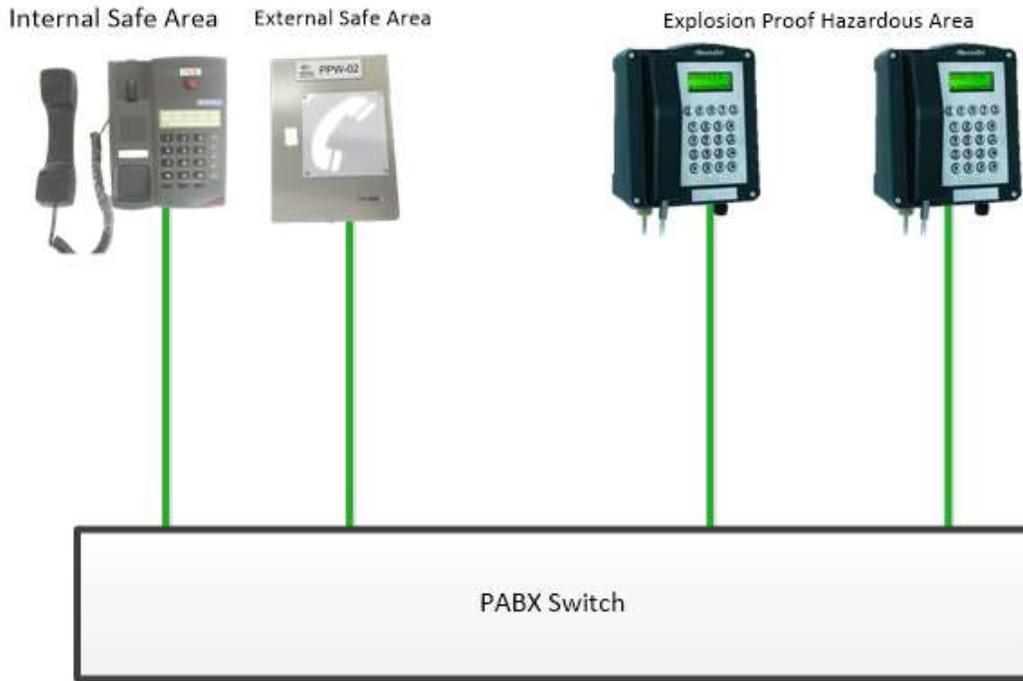
email: sales@ziztel.com web: www.ziztel.com tel: +44 (0) 115 9202888
 mail: 96 Rolleston Drive, Arnold, Nottingham, NG5 7JP United Kingdom

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

The DAS-06 Ex can incorporate either existing PBX connected explosion proof handsets or applications where both party / page line communications are required *and* PBX capability from a single handset station.

Existing Telephone System

PABX Subscriber Handsets

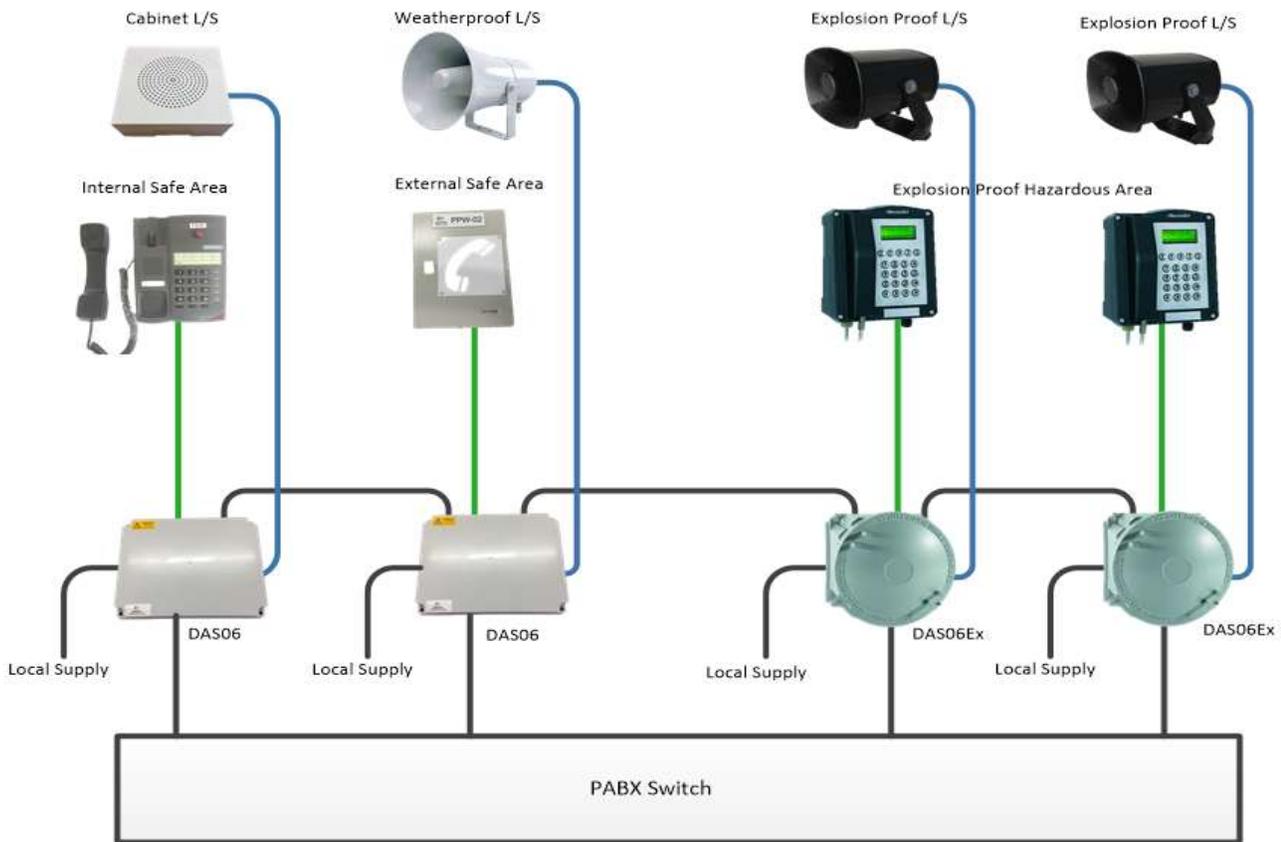


ZIZTEL LIMITED

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

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.

Existing telephone system enhanced to DAS06 Page / Party



Technical Specification

Supply	+24V _{DC} / +48V _{DC} , 90 to 240 VAC 50 / 60 Hz
Tolerance	+/-10%
Consumption maximum	30 VA / Watts
Consumption quiescent	3 VA / Watts
Frequency Response -3dB points	150Hz – 15 KHz
Distortion THD	>1%
Regulation	>1dB
Interface	Analog telephone handset
Output	8 Ohm
Output power maximum	15 Watts
Material	LM6 marine grade alloy
Dimensions	150mm x 150mm x 150mm
Weight	5kg
Certification	ATEX Zone 1 IIC T4 Zone 1
IP Rating	IP66
Cable entry	6 x 20 mm

ZIZTEL LIMITED

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

All text, drawings and photography contained within this data sheet are the property of Ziztel Ltd and are subject to copyright. Information may neither be transmitted or copied to third parties without the express written consent of Ziztel Ltd. Ziztel Ltd have a policy of continuous product improvement and contents here in are liable to change without notice.