

ZAB1 EXPLOSION PROOF BEACON

TDS-010 Issue 01 Ziztel Technical Bulletin



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 ZAB1 beacon is designed to provide visual signaling in a potentially explosive atmosphere. The unit is ATEX and IECEx certified for use in ambient temperature from -60 C to + 70 C and is IP68 rated enabling safe and reliable operation in world-wide hazard area plant applications. All stainless steel construction ensures long trouble free life in severe operating conditions.

ZIZTEL ZAB1 ATEX / IECEx FLASHING BEACON

ZAB1 is an explosion proof flashing beacon which produces an attention getting high intensity pulse of light at regular intervals.

This technical bulletin describes the use of the ZAB1 in a number of applications from secure public address and alarm system (PAGA) visual annunciation in high noise areas to supplementary telephone ring signaling.

The unit can be delivered with an embedded siren alarm generator capable of broadcasting a range of warning tones at high sound pressure levels (specify suffix 'S' option). For a 'stand-alone' alarm package the system can comprise of up to two 100 Volt line explosion proof projector horns, ZTB120 Exe junction box and ZAB1 flashing beacon.

The beacon can be installed in any attitude ie vertically, horizontally or suspended from a ceiling and is certified for reliable, safe, operation in extended ambient temperatures from - 60 Centigrade to + 70 Centigrade.

Lens colours are available to ensure compliance with PFEER, NORSOK and IMO SOLAS.

PFEER / NORSOK :- PAPA and GA (Abandon and General alarm) Yellow, Toxic gas Red.

IMO / SOLAS :- PAPA and GA (Abandon and General alarm) Red, Toxic gas Yellow.

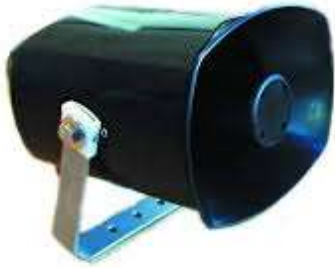
The Telephone initiate flashing beacon is usually specified as Green to ensure differentiation from safety critical visual signaling.



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DSP15-15EMNT is a powerful 15 Watt horn loaded explosion proof loudspeaker projector horn for efficient high level audible tone broadcast when 'S' version is specified.

Enclosure material is corrosion / ultra violet proof polyester equipped with high grade stainless steel fastenings and fittings and colour is given by Fresnal optic lens.



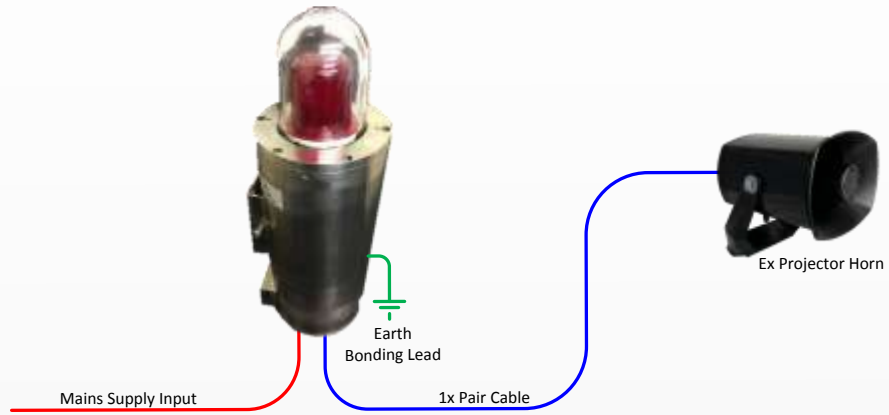
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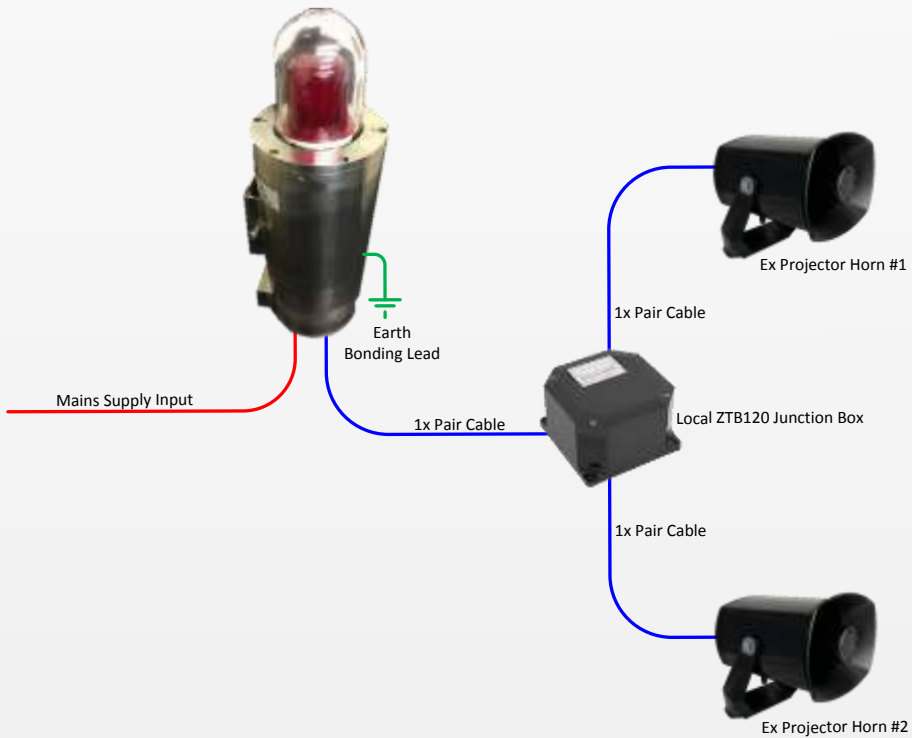
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ZAB1 Beacon Complete Visual and Acoustic Alarm Set

Explosion Proof ZAB1 Beacon fitted with 'S' Option



Explosion Proof ZAB1 Beacon fitted with 'S' Option

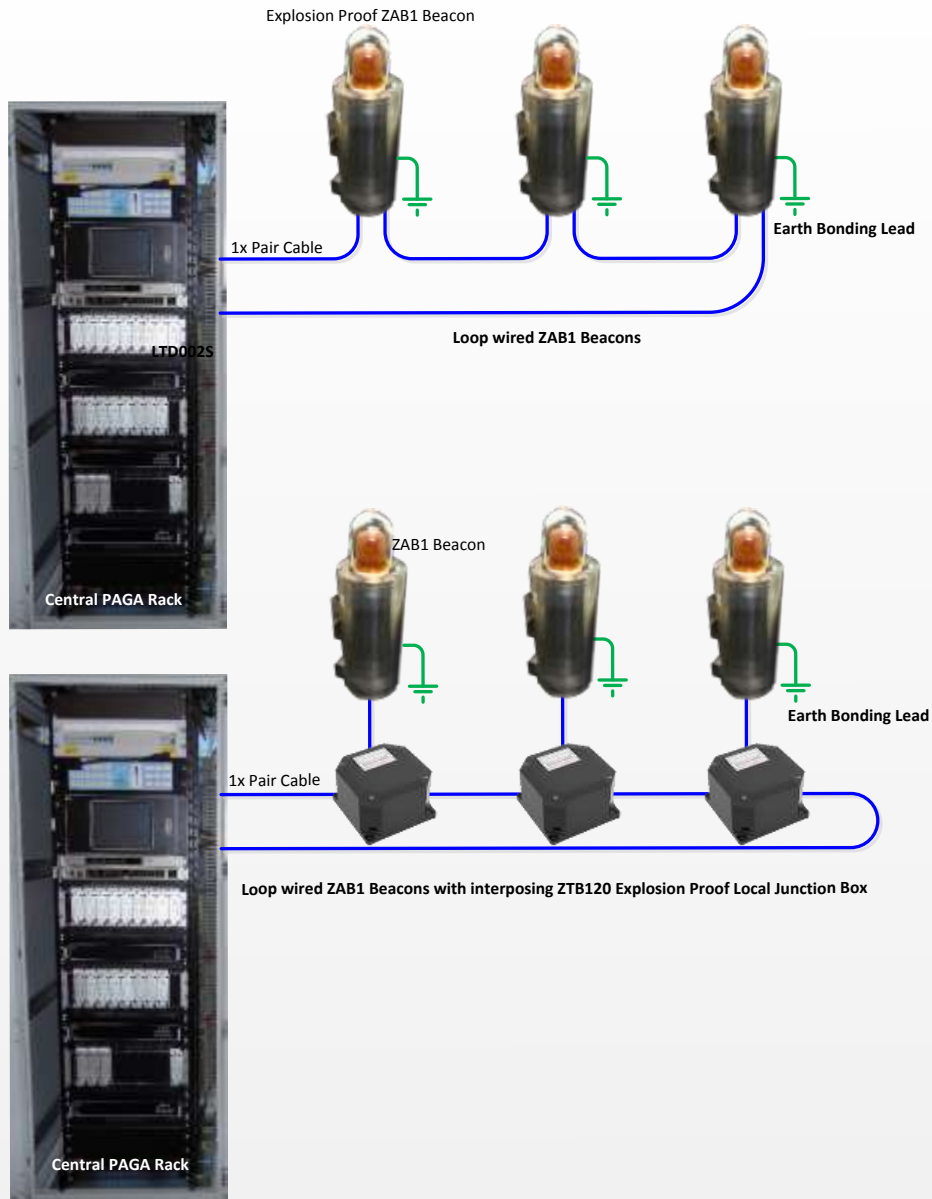


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ZAB1Beacon PAGA Application Loop Wired Field Cable Architecture



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ZAB1 Beacon with Telephone Visual and Acoustic Ringing Annunciation

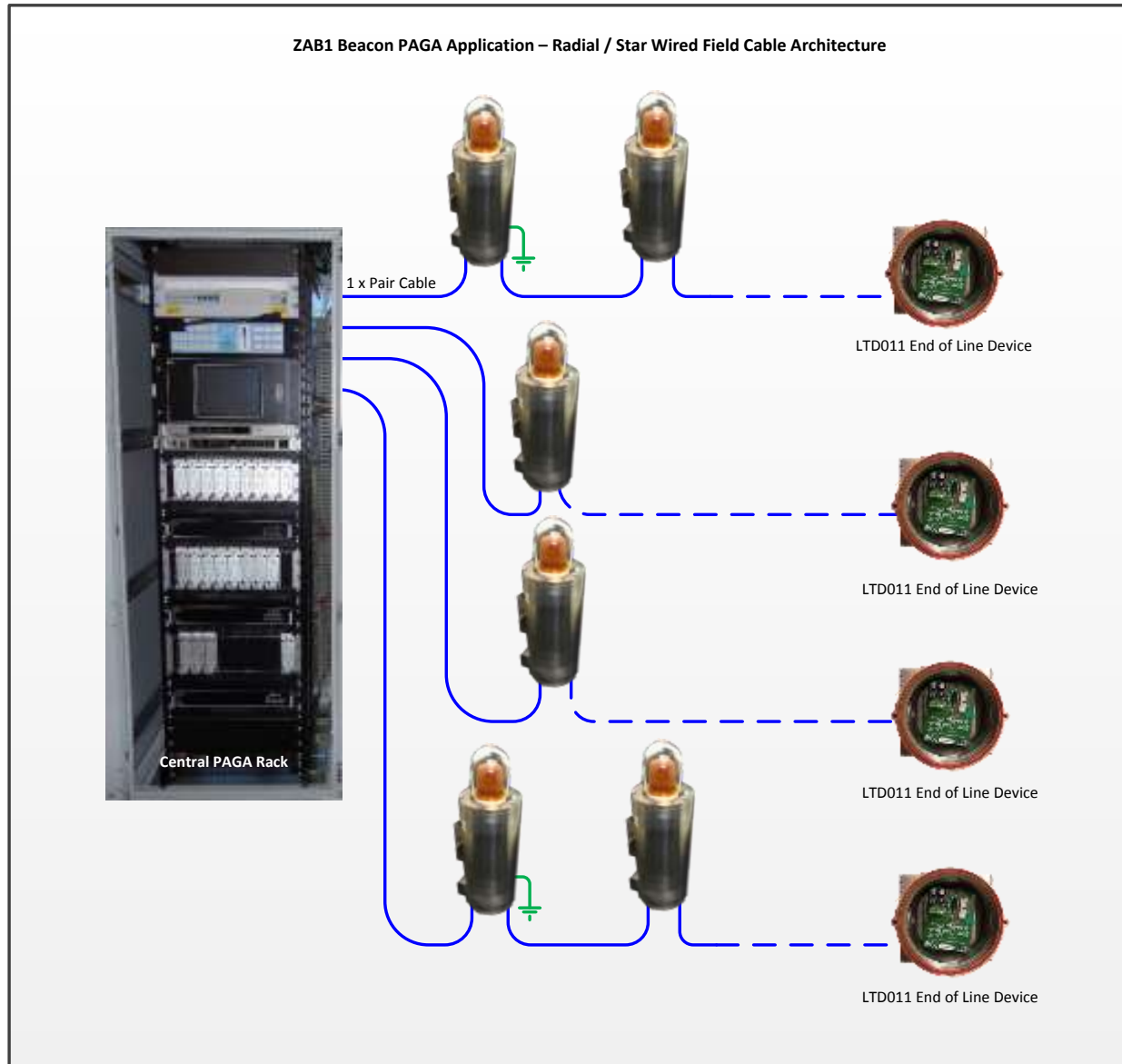


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ZAB1 Beacon PAGA Application – Radial / Star Wired Field Cable Architecture



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