

## SOUNDERS – Up to 110 dB(A) - DB7 Range

Intrinsically Safe (EExia), Weatherproof.



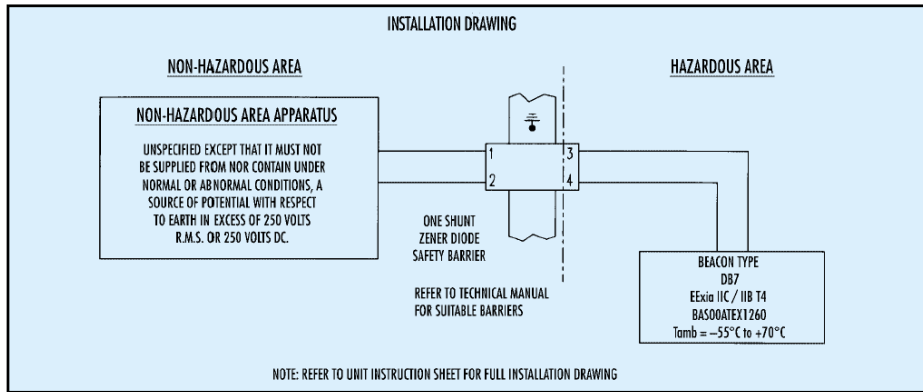
### Introduction

This range of ruggedised, intrinsically safe and weatherproof sounders, intended for use in potentially explosive atmospheres, has been designed with high ingress protection to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries.

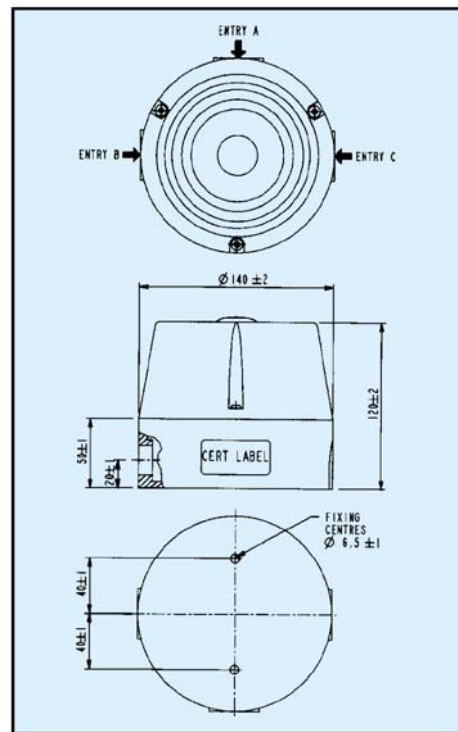
The unit is available in 12V and 24V versions and for gas groups IIB or IIC.

A lower cost, uncertified version is available for use in non-explosive atmospheres.

- Zones 0, 1, 2 and safe area use.
- EExia IIB/IIC T4.
- ATEX approved Ex II 1G.
- Weatherproof uncertified version.
- CENELEC approved.
- BASEEFA certified.
- GOST 'R' certified.
- IP66 & IP67.
- Certified temperature  $-55^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- Corrosion resistant red GRP.
- Up to 110 dBA output.
- 27 tones, user selectable.
- Tones comply with UKOOA/PFEER guidelines.
- Any two tones may be switched by the external voltage supply.
- Retained stainless steel cover screws.



Certification	CENELEC EN 50014, 20 & 39. Certificate No. BAS00ATEX 1260 (apparatus). Certificate No. 96D2362 (system). EExia IIC T4 or EExia IIB T4, Zones 0, 1 & 2. GOST 'R' Certification: 0EExia IIC T4, 0EExia IIB T4, Cert. No. A-0758.
Material:	UV stable glass reinforced polyester. Retained stainless steel cover screws.
Finish:	Self coloured red as standard or epoxy coated to customer's specification.
Sound Output:	107± 3dB(A) at 1 metre for 12V and 24V IIB versions. 103± 3dB(A) at 1 metre for 12V and 24V IIC versions. Typical value only – variable with tone.
Tone Selection:	Switchable between any two of the 27 tones by reversing the polarity of the supply.
Weight:	1.0 kg
Certified Temp.	-55°C to +70°C.
Ingress Protection:	IP66 & IP67
Voltage:	12V or 24V via suitable barrier.
Current Consumption:	24V models 34mA – 68mA. 12V models 25mA – 55mA.
Terminals:	8 x 2.5mm <sup>2</sup>
Labels:	Duty and tag labels available
Cable Entries:	Up to 3 x M20 via knockouts



**Ordering Requirements:**

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

Unit Type <div style="border: 1px solid black; padding: 2px; width: 40px; margin: 0 auto;">DB7P</div>	Certification <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	Voltage <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	Labels <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>	Colour <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div>																																
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**Supplied by:**

**A.S.P. Electro-Technology Ltd**  
Specialist Suppliers of Hazardous Area Certified  
Electrical Products & Instrumentation

39 London Road, Hinckley, LE10 1HQ. U.K.  
Tel: +44 (0)1455 635796 Fax: +44 (0)1455 251110  
Email: [sales@asp-electro-tech.com](mailto:sales@asp-electro-tech.com) Web: [asp-electro-tech.com](http://asp-electro-tech.com)



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