

Horns - Up to 108dB(A), Hazardous Location, Weatherproof DB3 Range

Sounder/Strobe Combination Unit



Description:

This range of light weight all GRP, explosionprrof horns is intended for use in potentially explosive atmospheres and 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 flamepaths, flare and the body, are manufactured completely from a UV stable glass reinforced polyester. Stainless steel screws and sinter are incorporated thus ensuring a corrosion free product. A tapered flamepath is used to overcome the problems of assembly of parallel spigot flamepaths.

An optional Exe terminal chamber is available.

Features*:

- ★ UL Listed for USA and Canada
 - Hazardous locations:

Class I, Div 2, Groups A, B, C & D Class II, Div 2, Groups F & G Class I, Zones 1 & 2, AExd IIC T4

- Ordinary locations: Audible-Signal Device
- ★ ATEX approved
- ★ NEMA 4x &6, IP66 and IP67
- ★ Certified temperature -67°F to +158°F (-25°C to +70°C)
- ★ All GRP corrosion free flamepaths
- ★ Up to 108dBA output at 10 feet
- ★ Integral volume control
- ★ 27 tones, user selectable
- Two tones may be switched via the external voltage supply
- ★ Horn/Strobe Combination Unit available
- *Depends on version

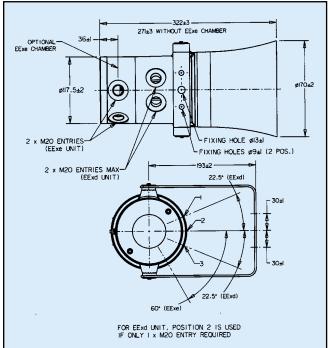
Architects and Engineers Specifications

Horns for hazardous locations and harsh environments shall be UL and cUL listed for Class I, Division 2, Groups A,B,C&D, and Class I, Zones 1&2, AExd IIC T4 applications and shall be listed under UL Standard 1638 for Indoor/Outdoor use. They shall be constructed of lightweight, UV stable glass reinforced polyester, shall be corrosion resistant, and shall meet NEMA 4x, NEMA 6, IP 66 & IP 67 environmental requirements over a temperature range of -67°F to +158°F (-55°C to +70°C).

The horns shall have 27 user selectable output tones. Multiple horns shall be able to operate in synchronization. Rated current draw at 24 vdc shall not exceed 380 mA for rated sound output of 105 dBA at 10 feet. The horns shall include an integral volume control and a stainless steel mounting bracket with ratchet facility to direct sound output.

Note: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock standard terms and conditions.





Terminals:	4 x 14 AWG, 6 x 14 AWG	
Mounting:	Stainless steel bracket with ratchet facility.	
Labels:	Duty and tag labels optional.	
Cable Entries:	Up to 2 x 1/2" NPT UL.	
Tone Selection:	27 user selectable tones.	
Horn/Strobe Unit:	The DB3 may be combined with a strobe to create a combined audio/visual alarm.	
Two Stage Unit DB3P: D.C.	Switchable between two tones: (i) Reversing the polarity of the supply, or (ii) by a 3 wire common +ve system, switching between the two -ve lines.	
A.C.	 (iii) Closing/opening connection between 2 terminals e.g. by using a volt free relay contact at the panel. 2 tones must be specified at time of order. 	
3/4 Tone Unit:	Remote 3 or 4 tone available – contact sales office	

for details.

Specification	on				
Certification:	UL Listed for USA and Canada - Hazardous locations: Class I, Div 2, Groups A, B, C & D Class II, Div 2, Groups F & G. Class I Zones 1 & 2, AExd IIC T4. UL Listing No: E203310. - Ordinary locations: Audible-Signal Device. Listing No. S8116. ATEX Approved: CENELEC EN50014, 18, 19 Cert. No. BAS00ATEX2097X, EExd IIC. Cert. No. BAS00ATEX2098X, EExde IIC. Zones 1 and 2.				
Material:	Body & horn in anti-static, UV stable, glass reinforced polyeste Swivel bracket & captive cover screws in stainless steel.				
Finish:	Body and horn, natural black or epoxy paint coated to client color requirements				
Sound Output:	DB3 105 ± 3c	DB3 105 ± 3dB(A) at 10 feet (tone dependent)			
Volume Control:	1	Output (dBA) 83 95 98 01 02 04 05	Input Current (mA) 50 100 150 200 250 300 350 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 25		
Weight:	13.2lb./6.0kg		olidge. Ione ser to 97 OFIZ continuous		
Certified Temperature:		F (-55°C to +70°	°C)		
Ingress Protection	: NEMA 4x	& 6, IP66 and IF	P67		
Voltage:	Up to 48V d.c.	Up to 254V a.c			
Current Consumption:	V 12VDC 24VDC 48VDC 110VAC 120VAC 220VAC 230VAC	1 760mA 380mA 190mA 135mA 124mA 68mA 65mA			

62mA

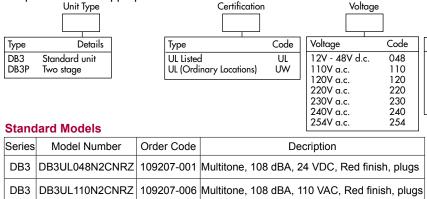
59mA

240VAC

254VAC

Configuration Options:

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



	Labels E	ntries Options Finish	Certified Plugs
	Label Code	Features Code	
	Duty D* Tag T* None N *Please specify	None N End of line resistor E* *State value.	
	wording	Colour	Code
	Entries	Code Red	N R
a o	1 x 1/2" NPT 2 x 1/2" NPT	1 C Special *Please specify	S*
gs	_	Certified Plugs	Code
ugs		Plugs *must_always be indicate	*Z ed with



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a Z. If no plugs are required omit the "Z" from the order code