

# D2xS1 116dB(A) Alarm Horn Sounder - Warning Siren

The D2xS1 is a high output, 116dB(A) alarm horn sounder. Low current consumption and high SPL in a compact robust Type 4/4X, IP66 enclosure ensure the D2xS1 is suitable for all haz loc fire alarm system and general signalling applications.

The corrosion proof, marine grade aluminium die cast enclosure is chromated and powder coated providing resilience in the harshest of environments. One device, globally certified: ATEX, IECEx Zone 2 & 22; NEC/CEC CI D2 and CII D2; NEC CI Zone 2 and Zone 22; CEC Zone 2 & 22 and CII D2. UL, cUL & ULC approved 24Vdc version for public mode fire alarm use.



**Irish Safety Systems**

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## Features

- High output, up to 116dB(A)
- 4 remotely selectable alarm stages/channels
- Choice of 64 alarm tone frequencies
- Automatic synchronisation on multi-sounder system
- UL464 Fire Alarm
- CAN/ULC-S525 Fire Alarm
- Dual cable entries
- Supplied with haz loc rated stopping plugs/adaptors

## Approvals

- UL File ref: E230764
- IECEx cert: IECEx ULD 14.0004X
- ATEX cert: DEMKO 14 ATEX 4786493904X
- CSFM listing: 7136-2279:0503
- Ex EAC certified: EAC RU C GB.AA71.B.00273/20
- SIL1 & SIL2 compliant to IEC61508 (2010)

## Coding

### • NEC / CEC:

Class I Div 2 ABCD T3C Ta -40°C to +70°C

Class I Div 2 ABCD T4 Ta -40°C to +65°C, T4A Ta -40°C to +50°C

Class II Div 2 FG T5 Ta -40°C to +50°C, T6 Ta -40°C to +45°C

Class III Div 1&2 Ta -40°C to +50°C

### • NEC:

Class I, Zone 2 AEx ec IIC T4 Gc Ta -40°C to +50°C

Zone 22 AEx tc IIIC T90°C Dc Ta -40°C to +50°C

### • CEC:

Class I Zone 2 Ex ec IIC T4 Gc X Ta -40°C to +50°C

Zone 22 Ex tc IIIC T90°C Dc Ta -40°C to +50°C



- **IECEX & ATEX:**

II 3G Ex ec IIC T4 Gc Ta -40°C to +50°C

II 3D Ex tc IIIC T90°C Dc Ta -40°C to +50°C

See product manual for full voltage specific coding.

### **Specification**

<b>Maximum output:</b>	116dB(A) @ 1 metre [107dB(A) @ 10ft/3m]
<b>Nominal output:</b>	112dB(A) @ 1m +/- 3dB – Tone 2 [103dB(A) @ 10ft/3m]
<b>No. of tones:</b>	64 (UKOOA / PFEER compliant)
<b>No. of stages:</b>	4
<b>Volume control:</b>	Adjustable -12dB(A) [Tone 2]
<b>Effective range:</b>	125m/410ft @ 1KHz
<b>Synchronisation:</b>	Automatic synchronisation
<b>Voltages DC:</b>	24V dc (10-30V dc); 48V dc (38-58V dc)
<b>Voltages AC:</b>	115V ac 50/60Hz; 230V ac 50/60Hz
<b>Stage switching:</b>	DC units: negative or positive AC units: common supply line
<b>Ingress protection:</b>	EN60529: IP66 UL50E / NEMA250: 4 / 4X / 3R / 13
<b>Enclosure material:</b>	Marine grade aluminium LM6
<b>Enclosure finish:</b>	Chromate & powder coated finish ISO 12944-6 CX, C5VH & C5H
<b>Enclosure colour:</b>	Red or Grey, custom colours available on request
<b>Cable entries:</b>	2 x M20 x 1.5mm threaded gland entries Adaptors available to 1/2"NPT, 3/4"NPT and M25
<b>Terminals:</b>	0.5 – 2.5mm <sup>2</sup> (20-14 AWG)
<b>Grounding stud:</b>	M5
<b>Operating temp:</b>	-40 to +70°C [-40° to +158°F] – Class I Div 2 -40 to +50°C [-40° to +122°F] – All other markings
<b>Relative humidity:</b>	99% – tropicalised/conformal coated electronics
<b>Weight: DC:</b>	2.48kg/4.96lbs AC:2.73kg/5.46lbs



### Part Codes

Part Codes:	Identifier:	Description:
Product type:	D2xS1	Haz Loc alarm horn sounder
Voltage:	DC024	24V dc – UL/cUL Fire Alarm
	DC048	48V dc
	AC115	115V ac
	AC230	230V ac
	Cable Entry Type: [e]	A
B		2 x 1/2" NPT – adaptors
C		2 x 3/4" NPT – adaptors
D		2 x M25x1.5mm – adaptors
E		1 x 1/2" NPT– adaptor
F		1 x 3/4" NPT– adaptor
G		1 x M25x1.5mm– adaptor
Stopping plug/ adaptor material: [m]		N
	S	Stainless Steel
Equipment tag: [s]	1	No equip. tag
	3	With equip. tag
	5	With equip. tag and duty label
Product version:	[v]A	UL, cUL, ULC, IECEx, ATEX, CSFM, Ex EAC
Product option: [o]	1	Standard product
	X	Custom configuration – contact
Enclosure colour: [x]	R	Red
	G	Grey
	S	Special colour – contact

### Accessories:

SP65-0001-A4

Pole Mount Bracket Kit St/St A4 (316)

SP65-0003-A4

Sunshade – St/St A4 (316)

For more information on these products, please contact us:



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