D2xB1XH1 Haz Loc UL1971 Xenon Strobe



The D2xB1XH1 features a high output UL1971 rated 18.18cd, 5 Joule Xenon strobe warning light / beacon. Globally approved, the robust Type 4/4X, IP66 enclosure ensures suitability for all haz loc fire alarm and general signalling applications.

Multiple D2xB1XH1 units will auto-synchronize when powered from the same power source removing the need for any additional sync modules in the circuit. One device, worldwide certification: NEC/CEC CI D2 and CII D2; NEC CI Zone 2 and Zone 22; CEC Zone 2 & 22 and CII D2; ATEX, IECEx Zone 2 & 22. UL1638/UL1971 & CAN-ULC-S526 tested – suitable for public mode fire alarm, ADA compliant, hearing impaired applications.

Features

- UL1971/UL1638 Public mode fire
- CAN/ULC-S526 Fire approved
- 18.18 eff. candela
- Synchronised for over 2 hours per UL1971
- Xenon tube mechanically secured against vibration & shock
- Marine grade aluminum enclosure
- Ingress protection Type 4/4X/3R/13, IP66
- High impact resistant Borosilicate glass lens
- Stainless steel external and internal fixings
- Duplicate, pluggable cable terminations, supervisory diode
- Conduit mounting via integral 3/4" NPT entry
- Surface mounting via user installed lugs
- Pendant mounting via 3/4"NPT conduit entry
- Dual 1/2"NPT and M20 cable entries
- Supplied with haz loc rated stopping plugs/adaptors
- UL Marine approved

Approvals

• UL/cUL File ref: E245313

IECEx certficate: IECEx ULD 14.0004X

• ATEX certificate: DEMKO 14 ATEX 4786493904X

CSFM certificate: 7300-2279:0500

Coding

• NEC / CEC:

Class I Div 2 ABCD T2D Ta -40°C to +50°C (T3: +45°C)
Class II Div 2 FG T6 Ta -40°C to +50°C
Class III Div 1 & 2 Ta -40°C to +50°C

NEC

Class I Zone 2 AEx ec IIC T2 Gc Ta -40°C to +50°C Zone 22 AEx tc IIIB T80°C Dc Ta -40°C to +50°C

CEC

Class I Zone 2 Ex ec IIC T2 Gc X Ta -40°C to +50°C Zone 22 Ex tc IIIC T80°C Dc Ta -40°C to +50°C

• IECEx & ATEX:

II 3G Ex ec IIC T2 Gc Ta -40°C to +50°C
II 3D Ex tc IIIC T80°C Dc Ta -40°C to +50°C
See product manual for full voltage specific coding.





















Specification

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Energy:	5 Joules (5Ws)	
Source:	Xenon strobe	
Modes:	1Hz flash (60 fpm)	
Effective cd:	18.18 cd - UL 1971	
Peak Candela:	500,000 cd - calculated from energy (J)	
Effective cd:	250 cd - calculated from energy (J)	
Synchronisation:	Flash rates synchronise for a minimum of 2 hours per UL 1971	
Voltages:	24Vdc - 20-28Vdc	
Ingress protection:	: IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/3R/13	
Enclosure material:	Marine grade LM6 aluminum alloy	
Enclosure colour:	Red	
Lens colour:	Clear	
Lens material:	Borosilicate glass dome	
Cable entries:	2 x M20x1.5, 2 × 1/2"NPT, 1 × 3/4"NPT	
Stopping plugs:	Nickel Plated Brass plugs included – brass or stainless stee optional	
Mounting:	Conduit mount via 3/4" NPT entry Surface mount via supplied lug pack (user installed)	
Ground/Earth stud:	M5	
Terminals:	0.5 - 2.5mm² (20-14 AWG)	
Line monitoring:	Blocking diode included EOL can be factory fitted	
Operating temp:	-40 to +50°C [-40° to +122°F]	
Storage temp:	-40 to +70°C [-40° to +158°F]	
Relative humidity:	99% - tropicalised/conformal coated electronics	
Weight:	1.5kg/3.31lbs	

Part Codes

Part Code:	Identifier	: Description:
Product type:	D2xB1XH1	18.18cd 5 Joule Xenon Strobe warning light / beacon
Voltage:	DC024	24V dc (20-28Vdc)
Cable entries: [e]	M	2 × 1/2" NPT 2 x M 20x1.5 1 × 3/4" NPT
Stopping plug material: [m]	N S	Nickel plated brass Stainless Steel
Guard material & tag: [s]	0 3 5	No lens Guard No lens guard with Equip. Tag No lens guard with Equip. Tag & Duty Label
Product version: [v]H	UL, cUL, ULC, IECEx, ATEX, CSFM
Product option: [o]	1 X	Standard product Custom configuration – contact E2S
Enclosure colour: [x]	R	Red
Lens colour: [y]	С	Clear
Accessories:		
SP65-0001-A4 SP65-0003-A4		Pole Mount Bracket Kit St/St A4 (316) Sunshade – St/St A4 (316)

Current Consumption

Nominal In rush: Voltage range: Flash Rate setting: Nominal operating current: Voltage:

24V dc 800mA < 5.4ms 20-28V dc 1Hz flash (60 fpm) 296mA









