

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

Approvals

- UL/cUL File ref: E245313
- IECEx certificate: 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
 - Class I Div 2 ABCD T3 Ta -40°C to +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 IIIC 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

Energy:	5 Joules (5Ws)
Source:	Xenon strobe
Modes:	1Hz flash (60 fpm)
Effective cd:	18.18 cd – UL1971
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 UL1971
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 x 1/2"NPT, 1 x 3/4"NPT
Stopping plugs:	Nickel Plated Brass plugs included – brass or stainless steel optional
Mounting:	Conduit mount via 3/4" NPT entry Surface mount via supplied lug pack (user installed)
Ground/Earth stud:	M5
Terminals:	0.5 – 2.5mm ² (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:	95%
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 x 1/2" NPT 2 x M20x1.5 1 x 3/4" NPT
Stopping plug material: [m]	N	Nickel plated brass
	S	Stainless Steel
Guard material & tag: [s]	0	No lens Guard
	3	No lens guard with Equip. Tag
	5	No lens guard with Equip. Tag & Duty Label
Product version: [v]	H	UL, cUL, ULC, IECEx, ATEX, CSFM
Product option: [o]	1	Standard product
	T	Tropicalisation
	X	Custom configuration – contact E2S
Enclosure colour: [x]	R	Red
Lens colour: [y]	C	Clear

Accessories:

SP65-0001-A4	Pole Mount Bracket Kit St/St A4 (316)
SP65-0003-A4	Sunshade – St/St A4 (316)

Current Consumption

Nominal Voltage:	In rush:	Voltage range:	Flash Rate setting:	Nominal operating current:
24V dc	800mA <5.4ms	20-28V dc	1Hz flash (60 fpm)	296mA

