

# D2xB1XH2 Haz Loc UL1971 Xenon Strobe

The D2xB1XH2 features a high output UL1971 rated 70.29cd, 10 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 D2xB1XH2 units will auto-synchronize when powered from the same power source removing the need for any additional sync modules in the circuit. One device, globally certified: 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
- 70.29 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 T1 Ta -40°C to +50°C
  - Class I Div 2 ABCD T2 Ta -40°C to +45°C
  - Class II Div 2 FG T4A Ta -40°C to +50°C
  - Class II Div 2 FG T5 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 T1 Gc Ta -40°C to +50°C
  - Zone 22 AEx tc IIIC T105°C Dc Ta -40°C to +50°C
- CEC:
  - Class I Zone 2 Ex ec IIC T1 Gc X Ta -40°C to +50°C
  - Zone 22 Ex tc IIIC T105°C Dc Ta -40°C to +50°C
- IECEx & ATEX:
  - II 3G Ex ec IIC T1 Gc Ta -40°C to +50°C
  - II 3D Ex tc IIIC T105°C Dc Ta -40°C to +50°C

See product manual for full voltage specific coding



## Specification

|                     |  |
|---------------------|--|
| Energy:             | 10 Joules (10Ws)   |
| Source:             | Xenon strobe   |
| Modes:              | 1Hz flash (60 fpm)   |
| Effective cd:       | 70.29 cd – UL1971  |
| Peak Candela:       | 1,000,000 cd – calculated from energy (J)                              |
| Effective cd:       | 500 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<br>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<br>Surface mount via optional lugs    |
| Ground/Earth stud:  | M5   |
| Terminals:          | 0.5 – 2.5mm <sup>2</sup> (20-14 AWG)                                   |
| Line monitoring:    | Blocking diode included<br>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:               | D2xB1XH2    | 70.29cd 10 Joule Xenon Strobe warning light / beacon |
| Voltage:                    | DC024       | 24V dc (20-28Vdc)                                    |
| Cable entries: [e]          | M           | 2 x 1/2" NPT<br>2 x M20x1.5<br>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 2" 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           | 828mA <4.4ms | 20-28V dc      | 615mA               |                            |

