

D1xB2XH1 UL1971 Auto Sync Cl D1 86cd Strobe

The explosion proof D1xB2XH1 is an auto-synchronizing Xenon Strobe warning light / beacon tested to UL1971. UL/cUL/ULC approved for Class I/II Div 1, Class I Zone 1/Zone 21 for gas and dust environments.

The lightweight, marine grade, enclosure has been designed to create the optimal fire signal suitable for public mode fire alarm, ADA compliant, hearing impaired applications. Its innovative construction includes both conduit or surface mounting capabilities – without the need for any additional accessories. For complete flexibility an optional stainless-steel bracket enables the explosion proof warning light to be rotated and positioned in any orientation. Multiple D1xB2XH1 units will auto-synchronize when powered from the same power source; no synchronization modules required.

Features

- Public mode fire use UL1971 & CAN/ULC-S526
- Auto synchronized as per UL1971
- 86.37cd – UL1971 Public mode fire
- Operating current only 635mA
- In rush limited to 817mA for 5ms
- Choice of four flash rates
- Marine grade aluminum enclosure
- Ingress Type 4/4X/3R/13, IP66
- High impact Borosilicate glass lens
- Duplicate, pluggable terminations
- Diode protected for supervised circuits
- Conduit mount via 3/4" NPT entry
- Surface mount via user installed lugs
- Dual 3/4"NPT and dual M20 side entries
- Supplied with stopping plugs
- Optional multi-position wall bracket
- UL Marine approved

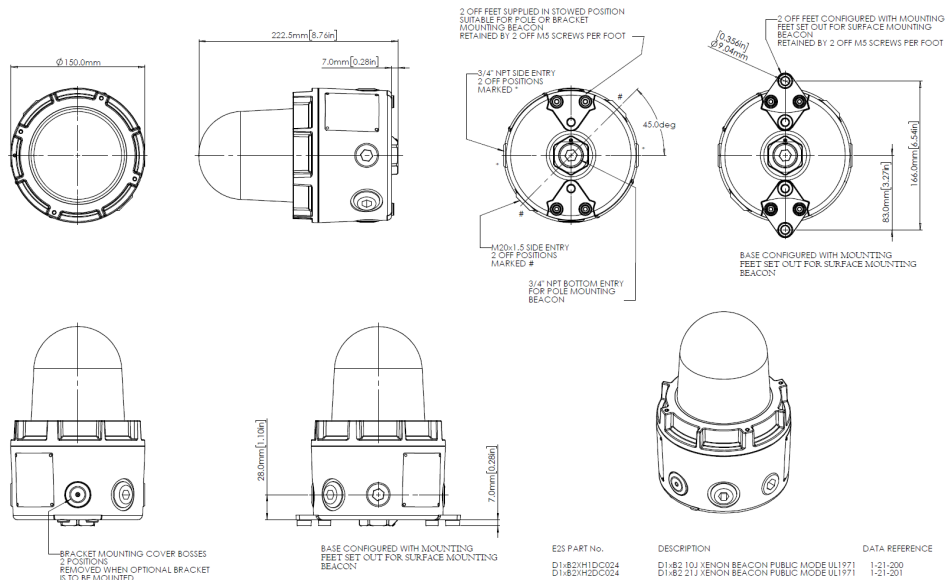
Approvals

- UL/cUL/ULC File ref: E245313
- CSFM listing: 7300-2279:0507

Coding

- NEC / CEC:
 - Class I Div 1 Group ABCD T5 Ta -55°C to +80°C
 - Class I Div 1 Group ABCD T6 Ta -55°C to +60°C
 - Class II Div 1 Group EFG T4 Ta -55°C to +80°C
 - Class II Div 1 Group EFG T5 Ta -55°C to +65°C
 - Class II Div 1 Group EFG T6 Ta -55°C to +50°C
 - Class III Div 1 Ta -55°C to +80°C
- NEC:
 - Class I Zone 1 AEx db IIC T5 Ta -55°C to +80°C
 - Class I Zone 1 AEx db IIC T6 Ta -55°C to +60°C
 - Zone 21 AEx tb IIIC 107°C Ta -55°C to +80°C
- CEC:
 - Ex db IIC T5 Ta -55°C to +80°C
 - Ex db IIC T6 Ta -55°C to +60°C
 - Ex tb IIIC 107°C Ta -55°C to +80°C





Specification

| | |
|---------------------|--|
| Source: | Xenon Strobe |
| Energy: | 10 Joules |
| Modes: | 1Hz flash (60 fpm) 1.3Hz flash (80 fpm) 1.5Hz flash (90 fpm) Double flash (120 fpm) |
| Eff. Intensity cd: | 86.37 cd UL1971 Public mode fire |
| Peak Intensity cd: | 1,000,000 cd |
| Synchronization: | Flash rates synchronize for a minimum of 2 hours per UL1971 |
| Voltage: | 24V dc (20-28V dc) |
| In-rush: | <817mA within 5ms @ 24Vdc |
| Ingress protection: | IP rating per EN60529:IP66/67 Type rating per UL50E/NEMA250:4/4X/3R/13 |
| Enclosure material: | Marine grade LM6 aluminum alloy |
| Enclosure finish: | Chromate & powder coated finish ISO 12944-6 CX, C5VH & C5H |
| Enclosure color: | Red (RAL3000) |
| Lens material: | High impact Borosilicate glass |
| Cable entries: | 2 × 3/4"NPT, 2 x M20x1.5, 1 × 3/4"NPT |
| Stopping plugs: | Nickel plated brass plugs included |
| Terminals: | 0.5 – 2.5mm ² (20-14 AWG) |
| Line monitoring: | Blocking diode included EOL can be factory or user installed |
| Operating temp: | -55 to +80°C [-67° to +176°F] |
| Storage temp: | -55 to +80°C [-67° to +176°F] |
| Relative humidity: | 99% – tropicalised/conformal coated electronics |
| Weight: | 3.2kg/7.1lbs |

Part Codes

| Part Code: | Ident.: | Description: |
|-----------------------------|---------|---|
| Product type: | D1xB2 | Explosion proof warning light |
| Type: | XH1 | Xenon Strobe Beacon 10 Joule 86.37cd |
| Voltage: | DC024 | 24V dc (20-28Vdc) |
| Cable entries: [e] | M | 2 × 3/4" NPT 2 x M20x1.5 1 × 3/4" NPT |
| Stopping plug material: [m] | N | Nickel plated brass |
| Lens guard & tag: [s] | 0 5 | No lens Guard No lens guard with Equip. Tag |
| Version: [v] | H1 | UL, cUL, ULC – Class I/II Div 1, Class I Zone 1/Zone 21 – UL1971 & CAN/ULC-S526 |
| Enclosure: [x] | R | Red |
| Lens colour: [y] | C | Clear |

Accessories:

| | |
|----------------|--|
| SP77-0001-A4-R | Multi angle wall bracket 316 Stainless Steel |
| SP65-0001-A4 | Pole Mount Bracket Kit St/St A4 (316) |
| SP65-0003-A4 | Sunshade – St/St A4 (316) |

Spares:

| | |
|-------------|--|
| SP77-0002 | Xenon flash tube assembly |
| SP77-0003 | XH1 PCBA including flash tube |
| SP77-0015-R | Pack of 2 x Surface Mount Lugs Red |
| SP77-0016-R | Pack of 2 x Bracket mount hole plugs Red |

Current Consumption

| Nominal Voltage: | Voltage range: | Flash Rate setting: | Nominal operating current: | In rush: |
|------------------|----------------|---|----------------------------------|-------------|
| 24V dc | 20-28V dc | 1Hz (60fpm) 1.3Hz (80 fpm) 1.5Hz (90fpm) Double (120fpm) | 635mA 695mA 700mA 580mA | <817mA <5ms |

Note: 1Hz, 1.3Hz and 1.5Hz flash rates – Public Mode Fire