The D1xB2X15 is a globally approved explosion proof 15 Joule Xenon beacon. The robust IP66, Type 4/4X corrosion proof LM6 marine grade aluminium alloy enclosure ensures suitability for all Class I/II Div 1, Zone 1, 2, 21 & 22 applications.

Approved to UL1638 and CAN/ULC S526 for fire alarm use the D1xB2X15 beacons produce a high output Xenon flash required for effective signalling in environments with elevated levels of ambient light. The field replaceable colour filter enhances the strobe and is constructed from UV stable PC. The robust enclosure features a threaded flame path, four cable entries. Mounting options include surface via integrated lugs, pendant or by addition of optional multi direction stainless steel bracket. SIL1 compliant to IEC61508 (2010) as standard – SIL2 version available.

Features
- Four flash rates: 1Hz, 1.3Hz, 1.5Hz & double flash
- Automatic synchronisation on multi-beacon system
- User replaceable Xenon tube secured against shock & vibration
- Stainless Steel guard included as standard
- Field replaceable UV stable lens colour filter
- Stopping plugs included
- 4 x side cable entries, 1 x pendant conduit entry
- Duplicate cable terminations (in & out for daisy-chain installations)
- UL 1638 Visible signaling devices for Fire Alarm
- CAN/ULC S526 Visible signaling device for Fire Alarm

Approvals
- UL/cUL/ULC – File ref: E245313
- IECEx Certificate: IECEx ULD 19.0006X
- ATEX Certificate: DEMKO 19 ATEX 2009X
- SIL1 & SIL2 compliant to IEC61508 (2010)
- CSFM listing: 73002279:0508

Coding
- ATEX / IECEx
  II 2G Ex db IIC T3 Gb Ta -55°C to +80°C (AC: +65°C)
  II 2G Ex db IIC T4 Gb Ta -55°C to +45°C
  II 2D Ex tb IIIIC T146°C Db Ta -55°C to +80°C (AC: T139°C +70°C)
- NEC Class / Zone
  Class I Zone 1 AEx db IIC T3 Ta -55°C to +80°C (AC: +65°C)
  Class I Zone 1 AEx db IIC T4 Ta -55°C to +65°C
  Zone 21 AEx tb IIIIC T132°C Ta -55°C to +80°C (AC: T153°C +70°C)
- CEC Class / Zone
  Ex db IIC T3 Ta -55°C to +80°C (AC: +70°C)
  Ex db IIC T4 Ta -55°C to +65°C
  Ex tb IIIIC T132°C Ta -55°C to +80°C (AC: T153°C +70°C)
- NEC / CEC Class / Div
  Class I Div 1 Group ABCD T3C Ta -55°C to +80°C (DC only)
  Class I Div 1 Group ABCD T4 Ta -55°C to +55°C (AC: T4A +55°C)
  Class II Div 1 Group EFG T4 Ta -55°C to +80°C (AC: +40°C)
  Class III Div 1 Ta -55°C to +80°C (AC: +40°C)
**Specification**

Source: Xenon Strobe

Energy: 15 Joules

Modes:
- 1Hz flash (60 fpm)
- 1.3Hz flash (80 fpm)
- 1.5Hz flash (90 fpm)
- Double flash (120 fpm)

Eff. Intensity cd:
- 98.61cd UL1638 Private mode fire
- 731.71cd measured ref to I.E.S

Peak Intensity cd: 1,500,000 cd

Lens colours: Amber, Blue, Clear, Green, Magenta, Red & Yellow

Voltage DC: 24V dc (20-28Vdc), 48Vdc (42-54Vdc)

Voltage AC: 115Vac (110-120Vac), 230Vac (220-240Vac)

In-rush @ 24Vdc: 990mA

Ingress protection: IP rating per EN60529:IP66

Type rating per UL50E/NEMA250:4/4X/3R/13

Enclosure matl: Marine grade LM6 aluminum alloy

Enclosure finish: Chromate & powder coated finish – anti-corrosion

Enclosure color:
- Red (RAL3000)
- Grey (RAL7038)

Lens material: High impact Borosilicate glass

Cable entries:
- Side: 2 × 3/4" NPT & 2 x M20x1.5
- Pendant: 1 × 3/4" NPT

Stopping plugs:
- Brass, Nickel Plated or Stainless Steel

Terminals: 0.5 – 2.5mm² (2014 AWG)

Line monitoring:
- Blocking diode included
- EOL can be factory or user installed

Installation temp: -55 to +80°C [67° to +176°F]

Storage temp: -55 to +80°C [67° to +176°F]

Relative humidity: 95% – Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist

Weight: 3.2kg/7.1lbs

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**Part Codes**

<table>
<thead>
<tr>
<th>Part Code</th>
<th>Ident.: Description</th>
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<tbody>
<tr>
<td>Product type</td>
<td>D1x82</td>
</tr>
<tr>
<td>Type: X15</td>
<td>Xenon Strobe Beacon 15 Joule</td>
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<tr>
<td>Voltage: 24V dc</td>
<td>20-28Vdc</td>
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<tr>
<td>Voltage: 48Vdc</td>
<td>42-54Vdc</td>
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<tr>
<td>Voltage: 115Vac</td>
<td>110-120Vac</td>
</tr>
<tr>
<td>Voltage: 230Vac</td>
<td>220-240Vac</td>
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<tr>
<td>Voltage range: 20-28Vdc</td>
<td>42-54Vdc</td>
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<tr>
<td>Voltage range: 110-120Vac</td>
<td>50/60Hz</td>
</tr>
<tr>
<td>Voltage range: 220-240Vac</td>
<td>50/60Hz</td>
</tr>
</tbody>
</table>

| Cable entries: [e] | Sde: 2 × 3/4" NPT & 2 x M20x1.5 |
| Stopping plug material: [m] | Brass, Nickel plated brass, Stainless steel |
| Lens guard & tag: [s] | A2 304 Stainless Steel, A4 316 Stainless Steel, A2 304 SS with Equip. Tag, A4 316 SS with Equip. Tag |
| Lens guard & tag: [v] | UL, cUL, ULC, IECEx, ATEX, IECEx, ATEX – SIL2 (24Vdc only), UL, cUL, ULC, IECEx, ATEX – Tropicalised |
| Lens guard & tag: [x] | Red RAL3000, Grey RAL7038, Special colour – contact E2S |
| Lens guard & tag: [y] | Amber, Blue, Clear, Green, Magenta, Red, Yellow |

| SP77-0001-A2R or G | Multi angle wall bracket St/St A2 (304) Red or Grey |
| SP77-0001-A4R or G | Multi angle wall bracket St/St A4 (316) Red or Grey |
| SP65-0001-A2R or A4 | Pole Mount Bracket Kit 2" St/St A2 (304) or A4 (316) |
| SP65-0003A2 or A4 | Sunshade – St/St A2 (304) or A4 (316) |
| SP77-0002-R | Multi angle wall bracket St/St A2 (304) Red or Grey |
| SP77-0015-R or G | Spare Pack of 2 x Surface Mount Lugs Red or Grey |
| SP77-0016-R or G | Spare Pack of 2 x Bracket mount hole plugs Red or Grey |

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**Current Consumption**

| Nominal Voltage: 24Vdc | Voltage range: 20-28Vdc |
| Nominal current: 85mA | In rush: 990mA |
| 48Vdc | 42-54Vdc |
| 330mA | - |
| 115Vac | 110-120Vac 50/60Hz |
| 310mA | - |
| 230Vac | 220-240Vac 50/60Hz |
| 170mA | - |