**Description:**

This range of lightweight, flameproof horns has been designed with a high weatherproof rating to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries.

New electronic circuitry allows the DB1P and DB1HP to be switched between two selectable tones by either reversing the supply polarity, or connecting a second voltage supply.

The higher output DB1 HP is particularly suitable for noisy environments.

**Features*:**

- UL Listed – Class I, Div 1. Groups C & D
- Class I, Zone 1
- ATEX approved
- NEMA 4x, IP66
- Certified temperature -13°F to +158°F (-25°C to +70°C)
- NFPA 72 compliant
- 4 wire diode monitored connection for operation in supervisory mode
- Up to 103 dBA output @ 10 feet (DB1 HP)
- Marine grade alloy
- Up to 27 output tones, user selectable
- 12V, 24V & 48 VDC, 110 VAC
- Tones can be selected remotely
- Any two tones may be switched via the external voltage supply

*Depends on version

---

**Architects and Engineers Specifications**

Explosion-proof horns shall be UL Listed for Class I, Division 1, Groups C&D, and Class I, Zone 1 hazardous locations. The horns shall be constructed of marine grade alloy with an epoxy paint finish and shall meet NEMA 4x and IP 66 environmental requirements over a temperature range of -13°F to 158°F (-25°C to 70°C) in hazardous and harsh environments.

The horns shall have 27 user selectable output tones. Multiple horns shall be able to operate in synchronization. Rated current draw at 24 vdc shall not exceed 250 mA for rated sound output of 93 dBA at 10 feet or 700 mA for rated sound output of 100 dBA at 10 feet. The horns shall be capable of direct surface mounting.

Note: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock standard terms and conditions.
**Configuration Options:**

The following code is designed to help in the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box.

<table>
<thead>
<tr>
<th>Unit Type</th>
<th>Voltage</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB1P ULA</td>
<td>12V d.c.</td>
<td>012</td>
</tr>
<tr>
<td>DB1P ULA</td>
<td>24V d.c.</td>
<td>024</td>
</tr>
<tr>
<td>DB1P ULA</td>
<td>48V d.c.</td>
<td>048</td>
</tr>
<tr>
<td>DB1P ULA</td>
<td>110V a.c.</td>
<td>110</td>
</tr>
</tbody>
</table>

**Standard Models**

<table>
<thead>
<tr>
<th>Series</th>
<th>Model Number</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DB1</td>
<td>DB1PULA024D1D2NNNR</td>
<td>109206-001</td>
<td>Multitone, 93dBA, 24 VDC, Red finish</td>
</tr>
<tr>
<td>DB1</td>
<td>DB1HPULA024D1D2NNNR</td>
<td>109206-002</td>
<td>Multitone, 100dBA, 24 VDC, Red finish</td>
</tr>
</tbody>
</table>

**Specification**

- **Current Consumption:**
  - DB1(P) DB1H(P)
    - 12V 125mA 900mA
    - 24V 250mA 700mA
    - 48V 250mA –
    - 110V 60mA 200mA

- **Labels:** Duty and tag labels optional.

- **Entries:** Up to 3 x 1/2" or 3/4" NPT

- **Terminals:** up to 8 x 12AWG

- **Material:** LM25 corrosion resistant alloy with stainless steel cover screws.

- **ABS flare.**

- **Finish:** Epoxy paint finish as standard or to customer’s specification.

- **Max Sound Levels:**
  - DB1(P)=93±3dB(A) (86±3dB(A) for 12V DB1).
  - DB1H(P)=100 ± 3dB(A) @ 10 feet
  - Note: Sound level is dependent upon the tone selection.

- **Weight:**
  - DB1P 7.7lb./3.5 Kg approx.
  - DB1HP 12.3lb./5.6 Kg approx.

- **Certified Temperature:** –13°F to +158°F (–25°C to +70°C)

- **Ingress Protection:** NEMA 4x, IP66

- **Tone Selection:** 27 User Selectable Tones

- **Certification:**
  - UL Listing: Class I, Div 1, Groups C & D.
  - Listing No. E187688.
  - ATEX approved: EExd, IIB T3
  - Cert No. Baseefa 02ETEX0207 for DB(1P)
  - Cert No. Baseefa 02ETEX0209 for DBH(P)

- **Sound Levels:**
  - 554 Hz for 0.1S/440 Hz for 0.1S
  - Int 660 Hz 150 mS on 150 mS of f

- **Finish Code:**
  - Red R
  - Grey G
  - Special S

- **Tag Label:**
  - None N
  - Required* T
  - *Please specify

- **Single Stage - 4 wire diode monitored connection - on board diode allows unit to be operated in supervisory mode when monitoring line in reverse polarity**

- **Two Stage - Switchable unit available in DC versions only either by:**
  - (i) Reversing the polarity of the supply, or,
  - (ii) By a 3 wire common +ve system, switching between the -ve lines

**WE ENCLOSE AND SUPPORT NICET CERTIFICATION**

3 YEAR WARRANTY

DB1 02/08

Cooper Notification is Wheelock®

<table>
<thead>
<tr>
<th>NJ Location</th>
<th>FL Location</th>
<th>VA Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>273 Branchport Ave.</td>
<td>7565 Commerce Ct.</td>
<td>P: 877-459-7726</td>
</tr>
<tr>
<td>Long Branch, NJ 07740</td>
<td>Sarasota, FL 34243</td>
<td>F: 703-294-6560</td>
</tr>
<tr>
<td>P: 800-631-2148</td>
<td>P: 941-487-2300</td>
<td></td>
</tr>
<tr>
<td>F: 752-222-8707</td>
<td>F: 941-487-2399</td>
<td></td>
</tr>
<tr>
<td><a href="http://www.coopernotification.com">www.coopernotification.com</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notification, Cooper Notification, is a registered trademark of Cooper Industries, Inc. © Cooper Industries, Inc. 2010. All rights reserved.