

## ■ Description

The VDOT-D2xC1X05 features a high output, 116dB(A) alarm horn sounder combined with a 5 Joule Xenon storbe warning light / beacon. Globally approved, the robust Type 4/4X, IP66 enclosure ensures suitability for all haz loc fire alarm and general signalling applications.

The corrosion proof, marine grade aluminium die cast enclosure is chromated and powder coated providing resilience in the harshest of hazardous location environments.

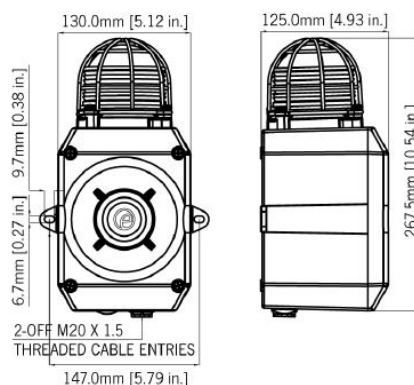


## ■ Features

- 5 Joule Xenon beacon with 116dB(A) alarm horn
- UL464/UL1638 Fire Alarm
- Effective Intensity: 94.78 cd
- Peak Candela: 33,410 cd
- 64 alarm tones, 4 remotely selectable alarm stages/ channels
- Automatic synchronisation on multi-sounder system
- Field replacable lens colour filters

## ■ Approvals

- UL File ref: E230764
- IECEx cert: UECEx ULD 14.0004X
- ATEX cert: DEMKO 14 ATEX 4786493904X
- CSFM listing: 7136-2279:0503



## Specifications

| Alarm Horn Sounder:    |                                                                                                      |
|------------------------|------------------------------------------------------------------------------------------------------|
| Maximum Output         | 116dB(A) @ 1 metre [107 dB(A) @ 10ft/3m]                                                             |
| Nominal Output         | 112 dB(A) @ 1m +/- 3dB - tone 2 [103dB(A) @ 10ft/3m]                                                 |
| No. of Tones           | 64 (UKOOA / PFEER compliant)                                                                         |
| No. of Stages          | 4                                                                                                    |
| Volume Control         | Adjustable -12dB(A) [Tone 2]                                                                         |
| Effective Range        | 125n/140ft @ 1KHz                                                                                    |
| Stage Switching        | DC units - Positive or Negative line<br>AC Units - Common supply line                                |
| Xenon Stage Beacon:    |                                                                                                      |
| Energy                 | 5 Joules (5Ws)                                                                                       |
| Flash Rate             | 1Hz (60 fpm)                                                                                         |
| Peak Candela           | 500,000 cd - calculated from energy (J)                                                              |
| Effective Intensity cd | 250 cd - calculated from energy (J)                                                                  |
| Peak Candela           | 33,410 cd - measured ref. to I.E.S.                                                                  |
| Effective Intensity    | 94.78 cs - measured ref. to I.E.S.                                                                   |
| Lens Colours           | Amber, Blue, Clear, Green, Magenta, Red & Yellow                                                     |
| Tube Life              | Emissions are reduced to 70% after 8 millions flashes                                                |
| General:               |                                                                                                      |
| Voltages DC            | 24V dc [20-28Vdc]; 48V dc [35-58Vdc]                                                                 |
| Voltages AC            | 115V ac 50/60Hz; 230V ac 50/60Hz                                                                     |
| Ingress Protection     | EN60529: IP66<br>UL50E / NEMA250: 4 / 4X / 3R / 13                                                   |
| Housing Material       | Marine grade aluminium Al Si 12 Cu                                                                   |
| Colour                 | Red (RAL3000), grey (RAL7038)                                                                        |
| Cable Entries          | 2 x M20 x 1.5mm threaded gland entries                                                               |
| Terminals              | 0.5 - 2.5mm <sup>2</sup> (20-14 AWG)                                                                 |
| Grounding Stud         | M5                                                                                                   |
| Operating Temp         | -40 to +70°C [-40° to +158°F] - Class I Div 2<br>-40 to +50°C [-40° to +122°F] - All other approvals |
| Relative Humidity      | 95%                                                                                                  |
| Weight                 | DC: 2.80kg / 6.16lbs<br>AC: 3.10kg / 6.82lbs                                                         |

## Part Codes

| Version:                           | Part Code:                                                   | Description:                                                                                                                                                                   |
|------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type                       | D2C1X05                                                      | Haz Loc alarm horn sounder & xenon strobe warning light / beacon                                                                                                               |
| Voltage                            | DC024<br>DC048<br>AC115<br>AC230                             | 24V dc - UL / cUL Fire Alarm<br>48V dc<br>115V ac<br>230V ac                                                                                                                   |
| Cable Entry Type [e]               | A<br>B<br>C<br>D<br>E<br>F<br>G                              | 2 x M20x1.5mm<br>2 x 1/2" NPT - adaptors<br>2 x 3/4" NPT - adaptors<br>2 x M25x1.5mm - adaptors<br>1 x 1/2" NPT - adaptor<br>1 x 3/4" NPT - adaptor<br>1 x M25x1.5mm - adaptor |
| Adaptor/Stopping plug material [m] | B<br>N<br>S                                                  | Brass<br>Nickel Plates<br>Stainless Steel                                                                                                                                      |
| Lens guard matl. & tag [s]         | 1<br>2<br>3<br>4                                             | A2 304 Stainless Steel<br>A4 316 Stainless Steel<br>A2 304 St/St with Equip. Tag<br>A4 316 St/St with Equip. Tag                                                               |
| Product Version [x]                | A1                                                           | UL, cUL, IECEx & ATEX                                                                                                                                                          |
| Enclosure Colour                   | R<br>G                                                       | Red RAL3000<br>Grey RAL7038                                                                                                                                                    |
| Lens Colour                        | A<br>B<br>C<br>G<br>M<br>R<br>Y                              | Amber<br>Blue<br>Clear<br>Green<br>Magenta<br>Red<br>Yellow                                                                                                                    |
| Accessories                        | SP65-0001-A2<br>SP65-0001-A4<br>SP65-0002-A2<br>SP65-0002-A4 | Pole Mount bracket Kit 2" St/St A2 (304)<br>Pole Mount Bracket kit 2" St/St A4 (316)<br>Sunshade - St/St A2 (304)<br>Sunshade - St/St A4 (316)                                 |
| Alarm Sounder Version:             |                                                              |                                                                                                                                                                                |
| Version:                           | Voltage:                                                     | Current:                                                                                                                                                                       |
| 24V dc                             | 10-30V dc                                                    | 313mA [at nominal voltage]                                                                                                                                                     |
| 48V dc                             | 38-58V dc                                                    | 181mA [at nominal voltage]                                                                                                                                                     |
| 115V ac 50/60Hz                    | +/-10%                                                       | 90mA                                                                                                                                                                           |
| 230V ac 50/60Hz                    | +/-10%                                                       | 52mA                                                                                                                                                                           |

All specifications are subject to change without any notice.  
For more information, contact with VELOCITY.



Zeta Alarms Limited  
72-78 Morfa Road, Swansea  
SA1 2EN  
Tel: +44 1792 455 175 FAX: +44 1792 455 176

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