

## Technical Bulletin

Published: 12/3/2015

Reference: 1008.00



## What is the D2x range?

The D2x range contains compact audible and visual warning signals designed for Zone 2, 22 and Division 2 hazardous locations. A truly global product range, each alarm device is marked as standard with multiple approvals permitting use in regions covered by IECEx, ATEX, NEC and CEC regulations.

The range comprises the D2xS1 alarm horn sounder plus the D2xC1 alarm horn sounder with Xenon strobe beacons. The D2xC1X05 contains a 5 Joule (5Ws) Xenon strobe, the D2xC1X10 a 10 Joule (10Ws) Xenon strobe in conjunction with the alarm horn sounder; providing both audible and visual warning in one compact, robust device.

The corrosion proof, marine grade aluminium (Al Si12 Cu) die cast enclosure is phosphated and powder coated with an ingress protection level of IP66 and Type 4/4X/3R & 13, all of which ensures resilience in the harshest of environments. Enclosures are available in either red or grey. Dual cable entries and duplicated cable termination provide the facility to loop in and out; minimising installation time and cost. The compact design of the D2xS1 is just 130mm W x 180mm L x 125mm D (5.1" x 7.1" x 4.9").

The Xenon strobe beacon and the alarm horn sounder combined in the D2xC1 signals can be activated individually via separate terminations or linked for simultaneous operation from a common power supply. With an effective Candela output of up to 288.8 cd the D2xC1 is suitable even for those applications with high ambient light levels. User changeable lens filters, manufactured from UV stable PC, are available in seven colours.

The horns produce an SPL up to a maximum of 116dB(A) @ 1 metre [107dB(A) @ 10ft/3m] and feature 64 alarm frequencies with a choice of internationally and nationally recognised patterns plus continuous, intermittent, sweeping and alternating tones with an effective range of up to 125m (410ft). An on-board volume control allows adjustment of the sound output by -12dB(A). With four remotely triggered alarm stages (channels) each D2x device can be employed to signal multiple safety warnings or process events. On DC voltage units stage/channel switching can be triggered by either positive or negative lines. All D2x devices, when set to the same alarm tone and powered from the same source, will be audibly synchronised automatically.

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D2xS1



D2xC1