

Press information

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Improved and cost reduced new generation of Intrinsically Safe sounders and beacons Released 24 March 2005

E2S has announced updated versions of its Intrinsically Safe sounder and beacon featuring improved functionality and lower cost. The new three-stage IS-A105N and the IS-L101 high intensity LED beacon are approved to EN50020: 2002 for use in Zone 0, 1 and 2 Gas Group IIC environments.

The sounder now has 49 user-selectable 3 stage alarm tone configurations with an output of 105dB(A) @1m; a 4MHz clock ensures that the outputs from all sounders on a loop are fully synchronised. The IS-L101 beacon uses an array of ultra bright Amber, Red, Blue or Green LEDs to produce a bright flashing warning signal in hazardous areas, giving a far more effective visual warning than traditional Xenon tube beacon alternatives.

The IS-L101 can be used in conjunction with the IS-A105N sounder, powered through the same Zener barrier or galvanic isolator and mounted together or separately. An "alarm accepted" facility enables the sounder to be silenced for between one and thirty minutes. When coupled to a sounder, the L101-IS flashes at 1Hz, increasing to 2Hz when the sounder is silenced.

The IS-A105N measures 130mm square, the IS-L101 86mm square, both are sealed to IP66 and typically draw 25mA from 24VDC when powered via a 28V 300 Ohm Zener barrier.

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Notes to Editors.

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European Safety Systems specialise in the design and manufacture of a wide range of Intrinsically Safe and Explosion Proof high performance sounders, strobes and beacons, including unique intelligent annunciation and audio messaging devices employing direct analogue signal storage on silicon technology.