Intrinsically Safe Sounder, Beacon and Sounder/Beacon

Features

- Input Overload and Reverse Current Protection
- End of Line Resistor Certified
- ATEX and IECEx approval
- 2 x M20 clearance gland knockouts
- Auto Synchronised Sound Output (exc. Beacon)

Description

The Intrinsically Safe range of products includes the compact I.S. Sounder, I.S. Beacon and I.S. Sounder / Beacon.

The range is suitable for all intrinsically safe signalling applications including fire, security and process control. Approvals include ATEX and IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications.

The I.S. Beacon optimises the effectiveness of its six high output LEDs via a prismatic lens design.

The I.S. combined Sounder and Beacon requires only one Zener barrier or galvanic isolator to run both sounder and beacon or alternatively the unit can be operated as individual signals.

Power to the I.S. range should be via a certified zener barrier or galvanic isolator whose output parameter is no greater than, Uo=28v dc, Io=93mA,and Po=660mw. The beacon is internally input overload and reverse polarity protected and is end of line monitoring resistor certified.

Intrinsically Safe Range

Item Numbers

205-0111	I.S. Sounder Beacon Red Body, Red Lens
205-0115	I.S. Sounder Beacon Red Body, Amber Lens
205-0116	I.S. Sounder Beacon Red Body, Clear Lens
205-0114	I.S. Sounder Red Body
208-0201	I.S. Beacon Red Body, Red Lens
208-0202	I.S. Beacon Red Body, Amber Lens
208-0203	I.S. Beacon Red Body, Clear Lens

Specifications

	Sounder	Beacon	Sounder/Beacon
Voltage Range	16-28Vdc via Zener barrier or galvanic isolator		
Nominal Current Consumption	25mA at 24V DC	25mA at 24V DC	30mA at 24V DC
Flash Modes	-	double flash at 2Hz and 1Hz	
Effective Intensity Candela	-	23cd	23cd
Sound Output (nominal) at 1m +/- 3dB - Tone 2a	100dB(A)		100dB(A)
Number of Tones	49	-	49
Temperature Range	-40 to +60°C		
Protection Rating	IP65		
Body Colours	Red		
Lens Colour	Red, Amber, Clear		

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