

FEATURES

- ✓ Input overload and reverse current protection
- ✓ End of line resistor certified
- ✓ Prismatic lens optimizes LED effectiveness
- ✓ Available with custom tone configurations and frequencies

APPROVALS

- ✓ ATEX certificate: SIRA 05ATEX2084X
- ✓ IECEx certificate: IECEx SIR 06.0045X, IEC 60079-0: 2011, ICE 60079-11: 2011, ICE 60079-26: 2014
- ✓ FM approved: Class 3600 1998, Class 3610 2010, Class 3810 2005



PRODUCT DESCRIPTION

The E2S-IS-mC1 is a compact combined 100dB(A) alarm sounder and LED beacon. Only one Zener barrier or galvanic isolator is required to run both sounder and beacon or alternatively the unit can be operated as individual signals.

TECHNICAL SPECIFICATIONS

Alarm Sounder

Nominal Output	100dB(A) @1m ± 3dB- Tone2*
No. of Tones	49 (refer to table on page 3)
Volume Control	Max. 100dB(A); min. 90dB(A) - Tone 2
Effective Range	40m @ 1KHz

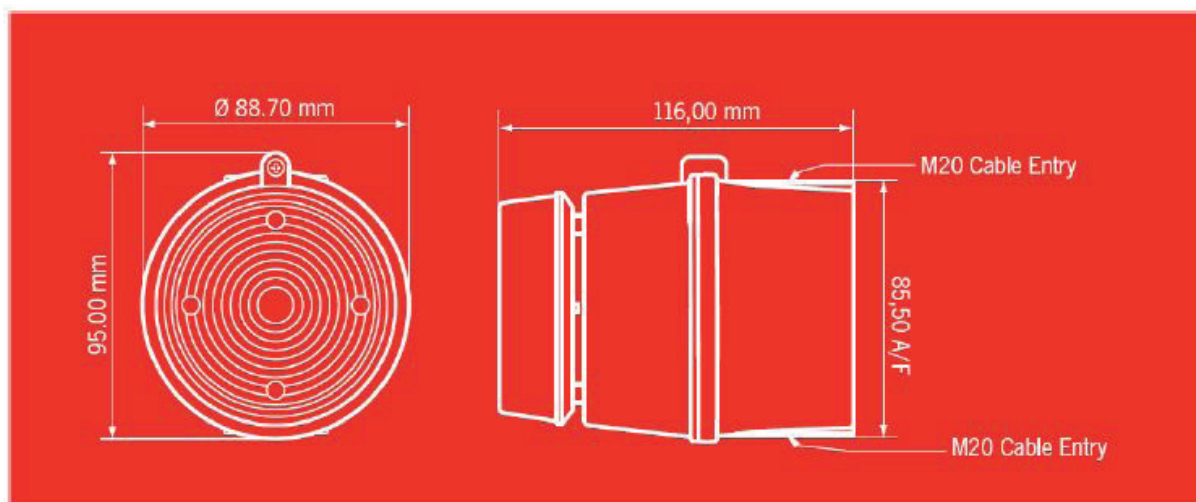
LED Beacon

Light Source	Array of 6 x high intensity LEDs
L.E.D. Colours	Red, Red
Flash Modes	Double flash at 2Hz and 1Hz
Effective Intensity CD	23cd*

*Lead times of up to 6 weeks from placement of order may apply.

TECHNICAL SPECIFICATIONS

Voltage	16-28Vdc via Zener barrier or galvanic isolator
Combined Current	Approx 30mA typical when powered from 24V supply via 28V 3000hm Zener barrier
Ingress Protection	IP65
Rating	Continuous
Housing Material	UL94VO & 5VA FR ABS & PC
Housing Colour	RAL3000 Red
Fixing	Stainless Steel
Cable Entries	2 x M20 clearance gland knockouts. Custom configurations also available
Terminals	0.5 to 2.5mm ²
Operating Temp	-40° to +60°C
Storage Temp	-40° to +70°C
Relative Humidity	90% at 20°C



Stage 1	Frequency Description	Stage 2	Stage 3
Tone 1	340 Hz Continuous	Tone 2	Tone 5
Tone 2	800/ 1000Hz @ 0.25 sec Alternating - BS5839 Alarm tone	Tone 17	Tone 5
Tone 3	500/ 1200Hz @ 0.3Hz 0.5 sec Slow Whoop - NEN 2575:2000	Tone 2	Tone 5
Tone 4	800/ 1000Hz @ 1Hz Sweeping	Tone 6	Tone 5
Tone 5	2400Hz Continuous	Tone 3	Tone 20
Tone 6	2400/ 2900Hz @ 7Hz Sweeping	Tone 7	Tone 5
Tone 7	2400/ 2900Hz @ 1Hz Sweeping	Tone 10	Tone 5
Tone 8	500/ 1200/ 500Hz @ 0.3Hz Sweeping	Tone 2	Tone 5
Tone 9	1200/ 500Hz @ 1Hz - DIN / PFEER P.T.A.P.	Tone 15	Tone 2
Tone 10	2400/ 2900Hz @ 2Hz Alternating	Tone 7	Tone 5
Tone 11	1000Hz @ 1Hz Intermittent	Tone 2	Tone 5
Tone 12	800/ 1000Hz @ 0.875Hz Alternating	Tone 4	Tone 5
Tone 13	2400Hz @ 1Hz Intermittent	Tone 15	Tone 5
Tone 14	800Hz 0.25sec on, 1 sec off Intermittent	Tone 4	Tone 5
Tone 15	800Hz Continuous	Tone 2	Tone 5
Tone 16	660Hz 150mS on, 150mS off Intermittent	Tone 18	Tone 5
Tone 17	544Hz (100mS)/ 440Hz (400mS) - AFNOR NF S 32-001	Tone 2	Tone 27
Tone 18	660Hz 1.8sec on, 1.8sec off Intermittent	Tone 2	Tone 5
Tone 19	1.4KHz-1.6KHz 1s, 1.6KHz-1.4KHz 0.5s - AFNOR NFC48-265	Tone 2	Tone 5
Tone 20	660Hz Continuous	Tone 2	Tone 5
Tone 21	554Hz/ 440Hz @ 1Hz Alternating	Tone 2	Tone 5
Tone 22	544Hz @ 0.875 sec. Intermittent	Tone 2	Tone 5
Tone 23	800Hz @ 2Hz Intermittent	Tone 6	Tone 5
Tone 24	800/ 1000Hz @ 50Hz Sweeping	Tone 29	Tone 5
Tone 25	2400/ 2900Hz @ 50Hz Sweeping	Tone 29	Tone 5
Tone 26	Bell	Tone 2	Tone 15
Tone 27	554Hz Continuous	Tone 26	Tone 5
Tone 28	440Hz Continuous	Tone 2	Tone 5
Tone 29	800/ 1000Hz @ 7Hz Sweeping	Tone 7	Tone 5
Tone 30	300Hz Continuous	Tone 2	Tone 5
Tone 31	660/ 1200Hz @ 1Hz Sweeping	Tone 26	Tone 5
Tone 32	Two tone chime.	Tone 26	Tone 15
Tone 33	745Hz @ 1Hz Intermittent	Tone 2	Tone 5
Tone 34	1000 & 2000Hz @ 0.5 sec Alternating - Singapore	Tone 38	Tone 45
Tone 35	420Hz @ 0.625 sec Australian Alert	Tone 36	Tone 5
Tone 36	500-1200Hz 3.75sec / 0.25sec. Australian Evac.	Tone 35	Tone 5
Tone 37	1000Hz Continuous - PFEER Toxic Gas	Tone 9	Tone 45
Tone 38	2000Hz Continuous	Tone 34	Tone 45
Tone 39	800Hz 0.25sec on, 1 sec off Intermittent	Tone 23	Tone 17
Tone 40	544Hz (100mS)/ 440Hz (400mS) - NF S 32-001	Tone 31	Tone 17
Tone 41	Motor Siren - slow rise to 1200 Hz	Tone 2	Tone 5
Tone 42	Motor Siren - slow rise to 800 Hz	Tone 2	Tone 5
Tone 43	1200 Hz Continuous	Tone 2	Tone 5
Tone 44	Motor Siren - slow rise to 2400 Hz	Tone 2	Tone 5
Tone 45	1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm	Tone 38	Tone 34
Tone 46	1200/ 500Hz @ 1Hz - DIN / PFEER P.T.A.P.	Tone 47	Tone 37
Tone 47	1KHz 1s on, 1s off Intermittent - PFEER Gen. Alarm	Tone 46	Tone 37
Tone 48	420Hz @ 0.625 sec Australian Alert	Tone 49	Tone 5
Tone 49	500-1200Hz 3.75sec / 0.25sec. Australian Evac.	Tone 26	Tone 37