

METAL SOUND PROJECTORS BI-DIRECTIONAL

➤ **CELL 10BT/EN**

➤ **CELL 10BT/ENC**

EN54-24



TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPR-0148 TYPE B

ELECTRICAL

Rated power, Watts	20
Tappings 100 volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms 100V	500/1k/2k/4k
Tappings 70.7 volt line, Watts	10 / 5k/2.5/1.25k
Driver impedance, Ohms	4
Effective Frequency Range, Hz (BSEN60268-5)	120-18,000
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz	74
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	88
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	89
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	101
Dispersion at 1k/2k Hz, Degrees	120/100 Horizontal 120/100 Vertical

ENVIRONMENTAL

IP Rating	55
Max/Min Ambient Temp	70°/-25°C
Relative Humidity	≤95%

MECHANICAL

Dimensions, WxHxD mm	230 x 192 x 174
Net Weight, Kgs	2.4
Colour (Unless Specified)	RAL9016
Material	Aluminium
Mounting	Aluminium bracket base with screw x 2

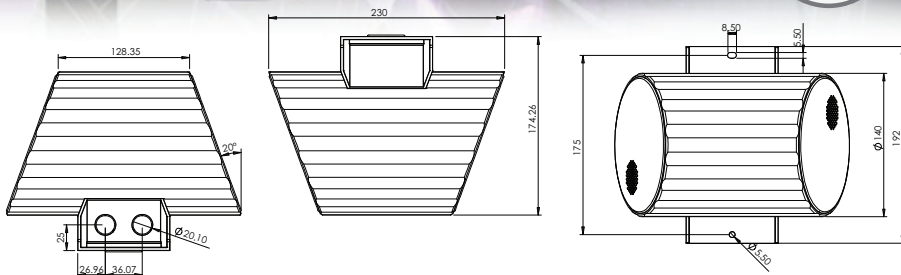
- CELL10BT/ENC is supplied with capacitor for DC line monitoring
- CELL10BT/EN & C are BS5839 Part 8 Compliant
- Suitable for external use

Manufacturer reserves the right to alter specifications without notice

September 2019

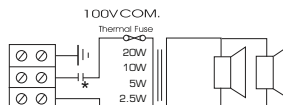
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CIRCUIT DIAGRAM

CELL 10BT/ENC
*with capacitor



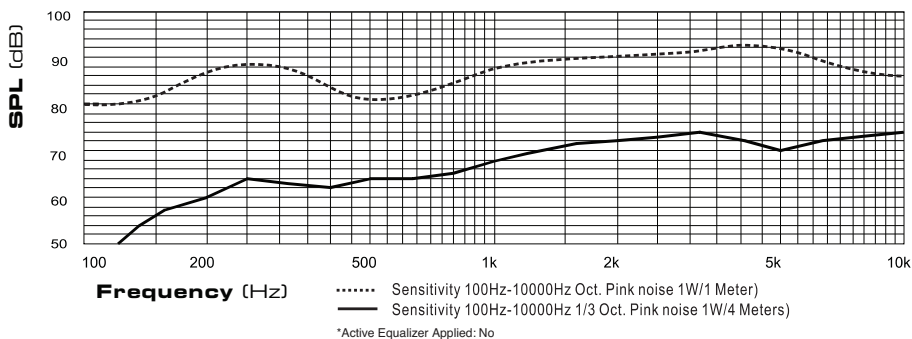
WITH TRANSFORMER: 100V/70V LINE

	WHITE WIRE PLUS TAPPING				BLACK
100V	2.5W	5W	10W	20W	COM
70V	1.25W	2.5W	5W	10W	COM
IMP(Ω)	4K	2K	1K	500	

DISPERSION ANGLES

		HORIZONTAL	VERTICAL
1 OCT.PINK NOISE	500 Hz	180°	180°
1 OCT.PINK NOISE	1K Hz	100°	100°
1 OCT.PINK NOISE	2K Hz	120°	120°
1 OCT.PINK NOISE	4K Hz	40°	40°

FREQUENCY RESPONSE



CELL10BT/EN & CELL10BT/ENC have been tested in 100 hours max power (20W). The model does not deviate by more than ± 3 dB from the original test value. The frequency response curve and impedance complies with the original one. All SPL tests are performed in an anechoic chamber (<70m³)



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