

# METAL SOUND PROJECTORS BI-DIRECTIONAL

➤ **CELL10BT/EN**

➤ **CELL10BT/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	68
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	33
Max/Min Amb Temp	70°/-25°C
Relative Humidity	≤95%

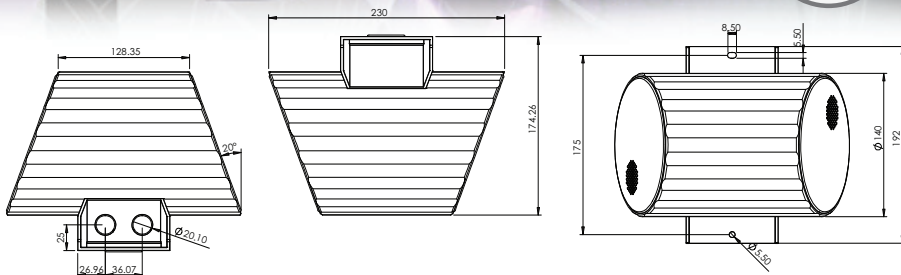
### MECHANICAL

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

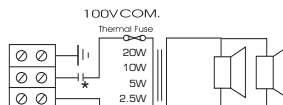
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### CIRCUIT DIAGRAM

CELL 10BT/ENC  
\*with capacitor



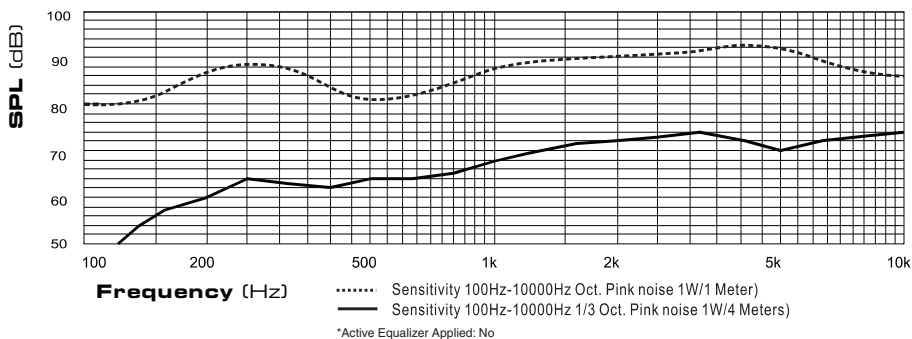
### WITH TRANSFORMER: 100V/70V LINE

	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
<b>1 OCT.PINK NOISE</b>	500 Hz	180°	180°
<b>1 OCT.PINK NOISE</b>	1K Hz	100°	100°
<b>1 OCT.PINK NOISE</b>	2K Hz	120°	120°
<b>1 OCT.PINK NOISE</b>	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  $\pm 3$ 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 (<70m<sup>3</sup>)



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