

# METAL COLUMN LOUDSPEAKER

## ➤ MCS80T/EN ➤ MCS80T/ENC

EN54-24



### TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPD-0165 TYPE B

#### ELECTRICAL

Rated power, Watts	80
Tappings 100 volt line, Watts	80/40/20/10
Transformer Impedance, Ohms 100V	125/250/500/1k
Tappings 70.7 volt line, Watts	40/20/10/5
Driver impedance, Ohms	4
Effective Frequency Range, Hz (BS EN60268-5)	180 - 18k
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz	71
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	96
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	91
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	115
Dispersion at 1k/2k Hz, Degrees	200/70 (horizontal) 140/40 (vertical)

#### ENVIRONMENTAL

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

#### MECHANICAL

Dimensions, height, front and depth, mm	970 x 98 x 90
Net Weight, Kgs	6.0
Colour (Unless Specified)	RAL9016
Material	Aluminium
Mounting	Steel L bracket, optional swivel bracket PEN1066

- MCS80T/ENC is supplied with capacitor for DC line monitoring
- MCS80T/EN & C are BS5839 Part B Compliant
- Suitable for external use

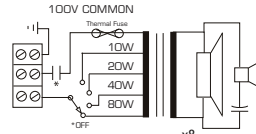
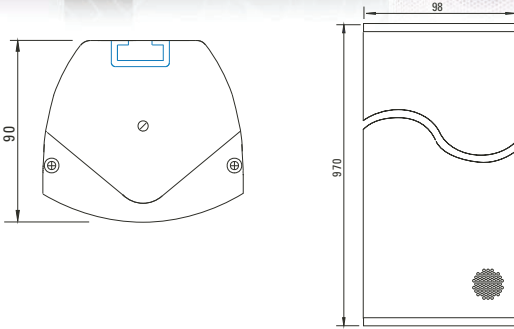
Manufacturer reserves the right to alter specifications without notice

September 2016

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\*with capacitor

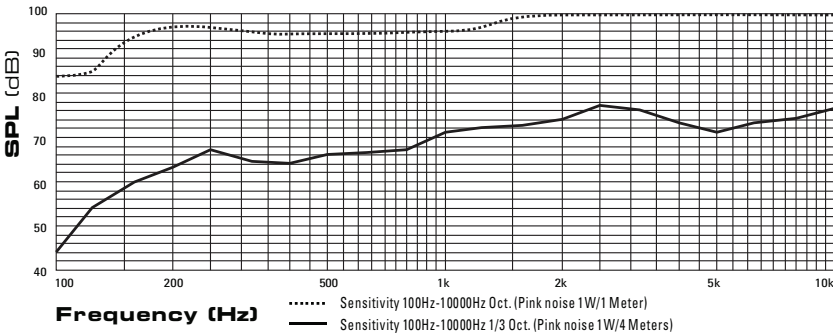
**WITH TRANSFORMER:  
100V/70V LINE**

	WHITE WIRE PLUS TAPPING					BLACK
100V	10W	20W	40W	80W	OFF	COM
70V	5W	10W	20W	40W	OFF	COM
IMP (Ω)	1K	500	250	125	∞	

**DISPERSION ANGLES**

		HORIZONTAL	VERTICAL
<b>1 OCT. PINK NOISE</b>	500 Hz	360°	60°
<b>1 OCT. PINK NOISE</b>	1K Hz	200°	70°
<b>1 OCT. PINK NOISE</b>	2K Hz	140°	40°
<b>1 OCT. PINK NOISE</b>	4K Hz	90°	30°

**FREQUENCY RESPONSE**



\*Active Equalizer Applied: NO

The MCS80T/EN & MCS80T/ENC have been tested for 100 hours at a maximum power of 80W. Both units did not deviate by more than +/- 3dB. The frequency response and impedance curves remained constant throughout the test period. All results are in full compliance with the requirements of EN54-24



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