

# METAL COLUMN LOUDSPEAKER

➤ **MCS40T/EN**  
➤ **MCS40T/ENC**

EN54-24



## TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPD-0165 TYPE B

### ELECTRICAL

Rated power, Watts	40
Tappings 100 volt line, Watts	40/20/10/5
Transformer Impedance, Ohms 100V	250/500/1k/2k
Tappings 70.7 volt line, Watts	20/10/5/2.5
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	170-18k
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz	68
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	92
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	85
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	108
Dispersion at 1k/2k Hz, Degrees	180/140 (horizontal) 60/30 (vertical)

### ENVIRONMENTAL

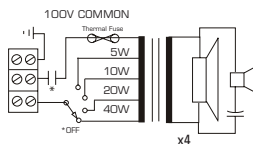
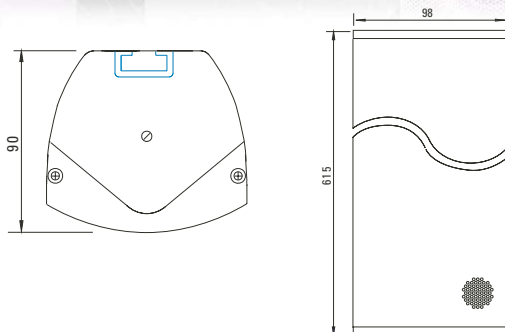
IP-Rating	33
Max/Min Amb Temp	70°/-25°C
Relative Humidity	≤95%

### MECHANICAL

Dimensions, height, front and depth, mm	615 x 98 x 90
Net Weight, Kgs	3.8
Colour (Unless Specified)	RAL9016
Material	Aluminium
Mounting	Steel L bracket, optional swivel bracket PEN1066

➤ MCS40T/ENC is supplied with capacitor for DC line monitoring

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 \*with capacitor

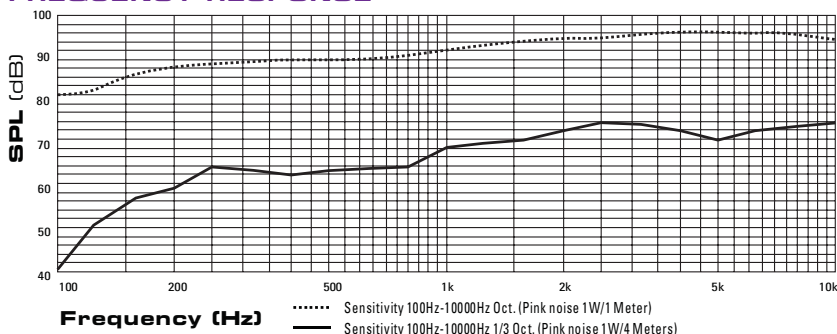
## **WITH TRANSFORMER: 100V/70V LINE**

	WHITE WIRE PLUS TAPPING					BLACK
100V	5W	10W	20W	40W	OFF	COM
70V	2.5W	5W	10W	20W	OFF	COM
IMP (Ω)	2K	1K	500	250	∞	

## **DISPERSION ANGLES**

		HORIZONTAL	VERTICAL
<b>1 OCT.PINK NOISE</b>	500 Hz	360°	90°
<b>1 OCT.PINK NOISE</b>	1K Hz	180°	60°
<b>1 OCT.PINK NOISE</b>	2K Hz	140°	30°
<b>1 OCT.PINK NOISE</b>	4K Hz	90°	40°

## **FREQUENCY RESPONSE**



\*Active Equalizer Applied: NO

The MCS40T/EN & MCS40T/ENC have been tested for 100 hours at a maximum power of 40W. 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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