

METAL COLUMN LOUDSPEAKERS

- MCS20T/EN
- MCS20T/ENC



DESCRIPTION

The **MCS20T/EN & MCS20T/ENC**, column speakers is a precision engineered miniature line-array, designed for smooth, wide dispersion without the need of a DSP controller.

Architecturally and visually pleasing, our MCS speakers take advantage of the principles of line-array to deliver controlled vertical coverage, wide horizontal coverage, and phase-accurate sound. We offer three sizes to give you the greatest choice in vertical control.

Considered a mid-high pack, the MCS is based on precisely aligned 3 1/2" treated cone speakers, with a moving-coil dynamic (noncompression) horn tweeter for extremely smooth response. For applications where less bass is required, the MCS is a great lowprofile solution.

The cabinets are very solid extruded aluminum, and are designed to be weather resistant, including a weather-sealed cable entry glandnut. Die-cast aluminum end caps have a screwdriver adjustment for 70 V tap setting.

APPROVALS & STANDARDS

EN54-24:2008
Certificate No: 0359-CPD-0206
Tick mark No: 17LHK0614-01

TECHNICAL SPECIFICATIONS

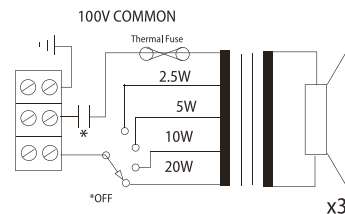
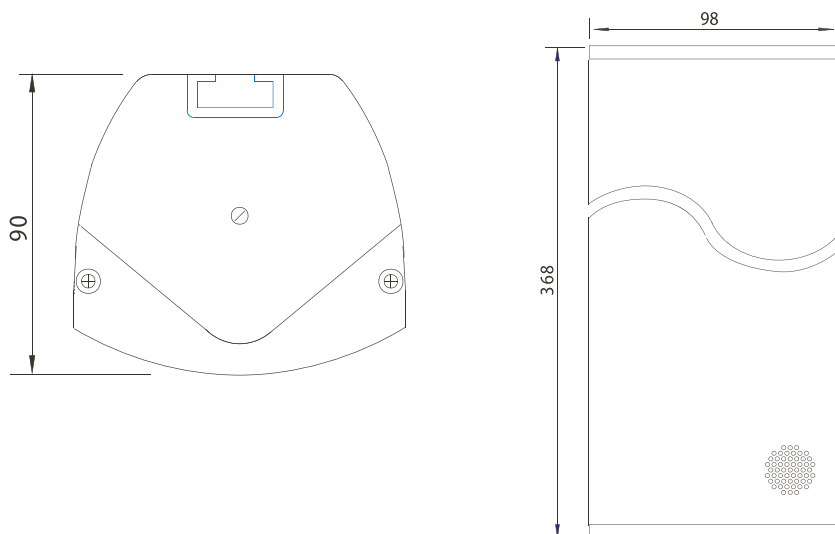
ELECTRICAL

Rated power, Watts:	20
Tappings 100 volt line, Watts:	20/10/5/2.5
Transformer Impedance, Ohms, 100 V:	500/1k/2k/4k
Tappings 70.7 volt line, Watts:	10/5/2.5/1.25
Driver impedance, Ohms:	4
Effective frequency range, Hz (BS EN60268-5):	120-17KHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	92
S.P.L. @ Full power/1m, Octave Bandwidth, dB:	105
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB:	89/89
Dispersion at 1k/2k Hz, Degrees :	180/150 (horizontal) 110/60 (vertical)
Directivity Axial Q factor, 1k/2kHz:	3.5 /6.1
Drive Units:	2 x 75 mm cone + 1x HF unit

MECHANICAL

Dimensions, front & depth, mm:	368 x 98 x 90
Net Weight, Kgs:	2.5
Colour (Unless Specified:	White RAL9016
Material:	Aluminium
Mounting:	Steel L bracket, optional swivel bracket PEN 1066

- MCS20T/ENC is supplied with capacitor for DC line monitoring
- MCS20T/EN & C BS5839 Part 8 Compliant
- Suitable for external use



MCS20T/EN
MCS20T/ENC
*with capacitor

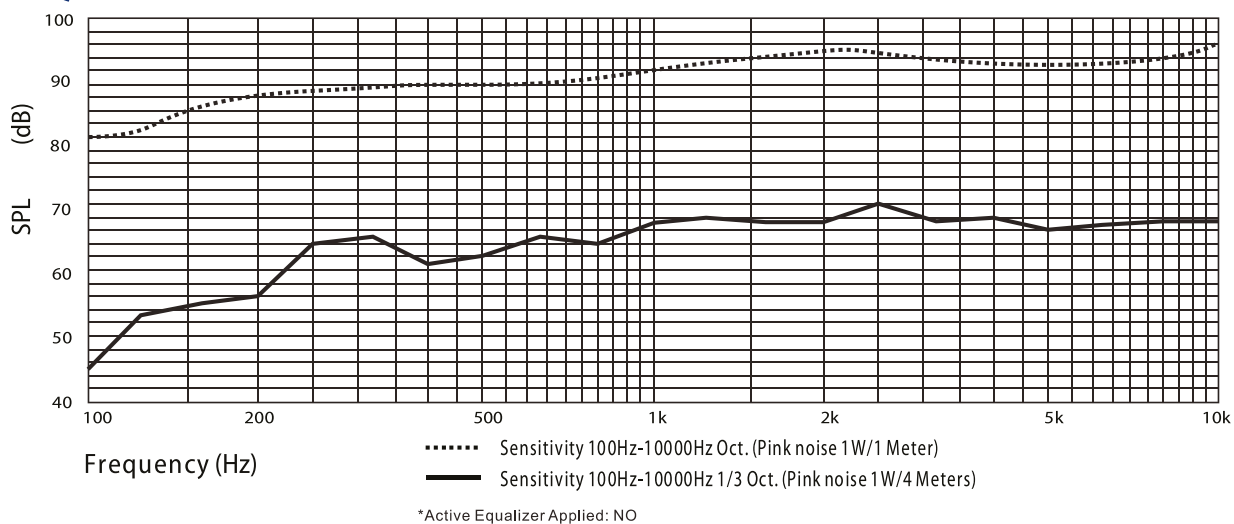
WITH TRANSFORMER: 100V/70V LINE

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

DISPERSION ANGLES

		HORIZONTAL	VERTICAL
1 OCT.PINK NOISE	500 Hz	360°	200°
1 OCT.PINK NOISE	1K Hz	180°	110°
1 OCT.PINK NOISE	2K Hz	150°	60°
1 OCT.PINK NOISE	4K Hz	100°	30°

FREQUENCY RESPONSE



The MCS20T/EN & MCS20T/ENC have been tested for 100 hours at a maximum power of 20W. 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