

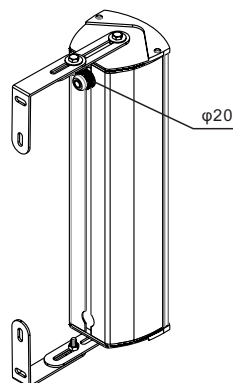
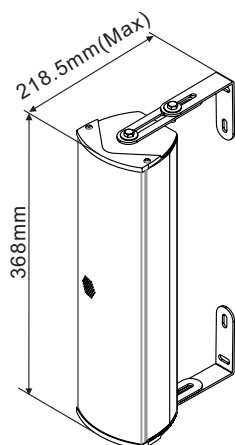


➤ MCS20T/EN ➤ MCS20T/ENC SPECIFICATIONS

Service . Germany: 49-6027-979875 ; France: 33-4-76992630 ; Switzerland: 41-21-8812510

Phone . USA: 1-401-7271600 ; The Rest of Europe: 31-10-2088690(Netherlands)

“Voice alarm loudspeaker for fire detection and fire alarm system for building”



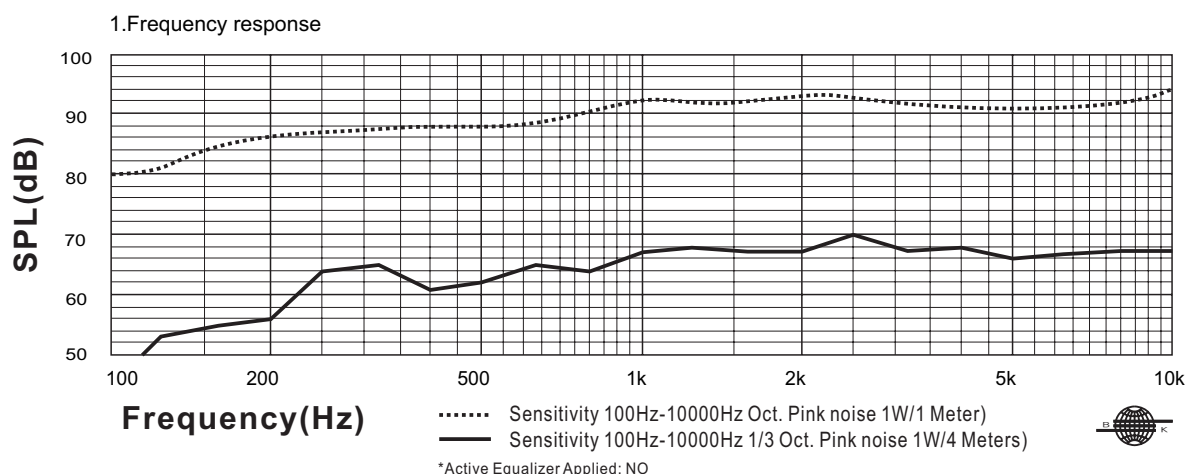
EN54-24:2008
0359-CPD-0149
TYPE B

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	500	∞	

Technical Specifications



2. Horizontal coverage angles & Vertical angles

		Horizontal	Vertical
1 Oct. Pink noise	500 Hz	360°	305°
1 Oct. Pink noise	1K Hz	179°	100°
1 Oct. Pink noise	2K Hz	140°	28°
1 Oct. Pink noise	4K Hz	100°	11°

3. Environmental

IP-rating.....33
 Max/Min amb temp.....70°C / - 25°C
 Relative humidity.....≤95%

4. 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 10/5/2.5/1.25
 Driver impedance, Ohms 2
 Effective Frequency Range, Hz (BSEN60268-5) 170-17,000
 S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz 67
 S.P.L. @ 1m, 1watt, dB, Octave 1KHz 92
 S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz 82
 S.P.L. @ 1m, Full power, Octave 1KHz 105

5. Mechanical

Dimensions, Front & Depth, mm 368x98x90
 Net weight, Kgs 2.5
 Colour (Unless Specified) RAL9016
 Material Aluminium
 Mounting Steel L bracket
 Optional swivel bracket PEN 1066

MCS20T/EN & MCS20T/ENC has been tested in 100 hours max power (20W). The model does not deviate more than ± 3dB from the original test value. The freq. response curve and impedance complies with the original one. All SPL tests are preformed in a anechoic chamber (<70m/3).

Penton Communications Inc, Taichung, Taiwan.



EN54-24:2008 TYPE B 0359-CPD-0149

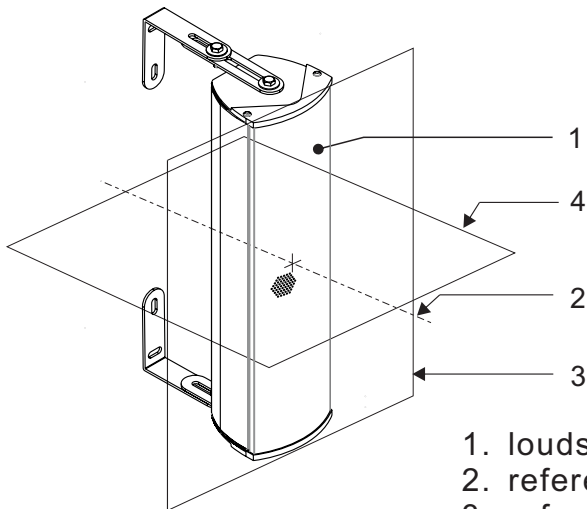
➤ MCS 20T/EN

➤ MCS 20T/ENC INSTALLATION GUIDE

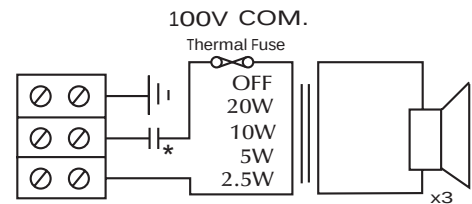


RoHS

CE 13
0359



1. loudspeaker enclosure
2. reference axis
3. reference plane
4. horizontal plane

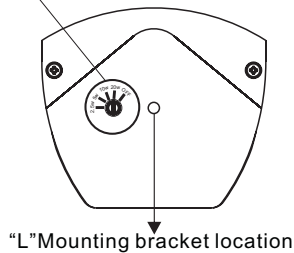


Circuit Diagram

**MCS 20T/EN
MCS 20T/ENC
*with capacitor**

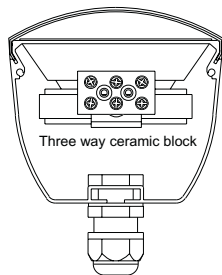


Volume selector switch



"L" Mounting bracket location

Top View of
Column Loudspeaker
with lid off



Three way ceramic block

- 1) Remove the top cover of the unit (cable gland end) and connect the 100 volt line input cable into the ceramic terminal block through the cable gland provided.
- 2) On removing the top cover of the loudspeaker you will observe a three way terminal block that is connected to the 100 volt line transformer, as this unit is provided with a selector switch located at the base of the column, insert the 100 volt line cable using the red wire to the red and black to black cable connections.

- 4) Around the top lid you will observe a rubber gasket please make sure that it is in place when relocating the lid to the loudspeaker chamber to maintain its weather resistance.

- 6) Mount the speaker in the required location as specified by an acoustic engineer.

- 7) You may require tilting or distancing the column from the mounting surface this can be done by extending the "L" bracket with the supplied extension bracket in the hardware kit. Items to be found in the hardware kit:

Qty 2 "L" brackets
Qty 2 x extension brackets
Qty 2 x 10mm long hex head bolts
(used to mount "L" brackets)
Qty 2 x nuts
Qty 2 x 20mm long hex head bolts (used to mount extension brackets onto "L" brackets)
Qty 6 x washers (used with hex bolts above)
Qty 2 x o-ring (used to be waterproof)

- 8) Before putting 100 volts through the unit it is advisable to check the impedance of circuit.

*A swivel mounting bracket is available for this unit see Ateis accessories.

