

MUSIC HORN LOUDSPEAKER

MSH30/T

This weatherproof plastic music horn loudspeaker is manufactured from an ABS moulded, low smoke zero Halogen UL-94V0 Plastic with UV inhibitors. Being non-corrosive and resistant to salt laden air makes it suitable for both indoor and outdoor use. It includes a mounting bracket manufactured in stainless steel.

It combines a re-entrant horn with a high frequency driver. The combination of both delivers a controlled coverage pattern with clear speech and quality background music reproduction.

Supplied complete with cable gland, this unit is ideal grey, RAL7035, however alternative finishes are available upon request.

Its rugged construction and quick and easy installation make it ideally suited for such places as outdoor swimming pools, sports stadiums, leisure centres and railway stations.



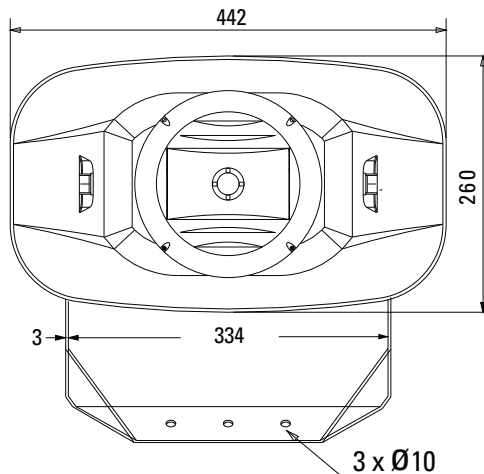
● Electrical	
Rated power, Watts	30
Tappings 100 Volt line, Watts	30/15/7.5/3.75
Transformer Impedance, Ohms 100 Volt	333/667/1.33k/2.66k
Tappings 70.7 Volt line, Watts	15/7.5/3.75/1.875
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	70-16.500
S.P.L. @ 1 m, 1 Watt, dB, Octave, 100 Hz-10 kHz	99
S.P.L. @ 1 m, Full power, dB, Octave, 100 Hz-10 kHz	114
Dispersion at 1k/2k Hz, Degrees	70/120 (horizontal), 110/110 (vertical)
Acoustic Power (dB-PWL @ 1 Watt) 1k/2k Hz, dB	91/94
Directivity Axial Q factor, 1k/2k Hz	8.5/6.5
● Environmental	
IP Rating	66
Min/Max amb temp	-25°C to 70°C
Relative Humidity	≤95%
● Mechanical	
Dimensions, front & depth, mm	442 x 260 x 287.5
Net weight, kg	5.5
Colour (Unless Specified)	Grey, RAL7035
Material	ABS Plastic with UV inhibitors
Mounting	Aluminium U bracket



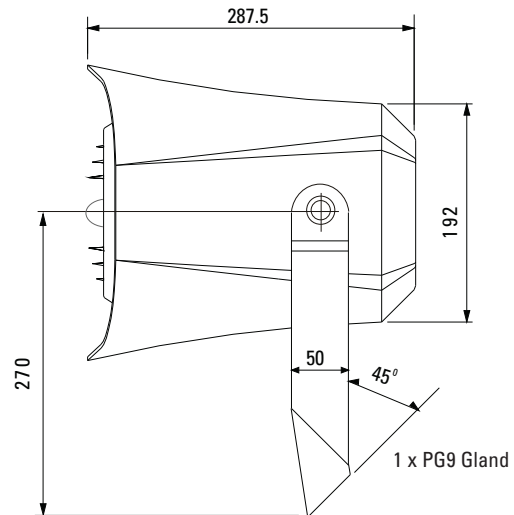
INSTALLATION GUIDE

MSH30/T

Front view
(unit: mm)



Side view
(unit: mm)



1) Remove the back lid of the unit and connect input cable to the ceramic terminal block through the cable gland provided.

2) On removing the back lid of the horn loudspeaker you will observe a 5 way plastic terminal block that is connected to the 100 volt line transformer. Fit the 100 volt line input cable to the selected volume (watts) that you require. For more information, look inside the lid where you will find a list of matching cable colours to watts, from 30 watts down to 3.75watts.

To change the tapping select the appropriate colour (black is always common) and connect accordingly.

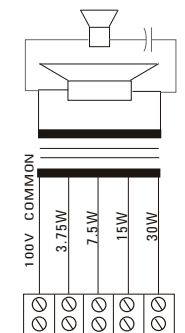
3) On selecting the tapping required and wiring the same, secure the cable gland tight into the back lid of the chamber.

4) Around the inner section of the chamber, where the back lid was removed, a rubber gasket is located, please make sure that it is in place when refitting to avoid water penetration.

5) Drill the mounting location holes for the unit in line with the U bracket (2 holes 60 mm apart) in the surface where the loudspeaker is to be located. It is not necessary to use the central mounting hole in the bracket unless the loudspeaker is located on a pole mount clamp.

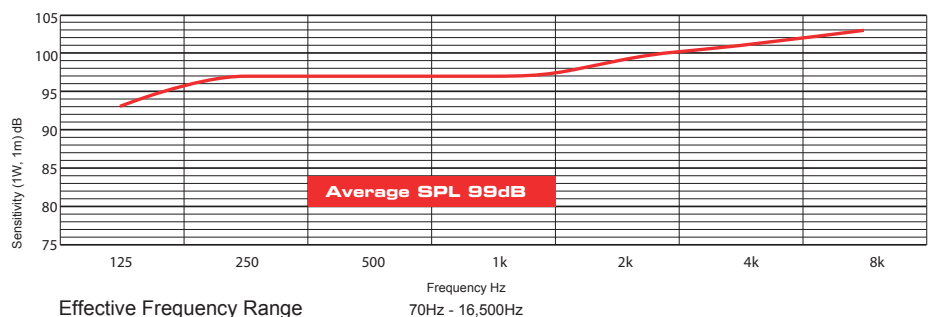
6) Mount the speaker in the required location specified by an acoustic engineer.

7) Before putting a 100 volt line through the unit it is advisable to check the impedance of the circuit.



Circuit Diagram

Frequency response



Disclaimer: We reserve the right of changes and errors.



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