



## WEATHERPROOF HORN LOUDSPEAKER

# PH30/T

PH30/T is a compact, weatherproof horn loudspeaker, especially for a high sound reinforcement designed. It is made of a UV-resistant, reinforced ABS plastic and features an epoxy-coated stainless steel U-bracket (Stainless).

This pressure chamber loudspeaker is designed by the high performance combined with a high sound pressure especially for the reproduction of voice announcements or signal warnings.

PH30/T is resistant to saline air, most non-corrosive substances and many chemicals. Therefore it can be used also in marine or industrial applications and is ideal for indoor and outdoor use.



● Electrical	
Rated power, Watts	30
Tappings 100 volt line, Watts	30/15/7.5/3.75
Transformer Impedance, Ohms 100V	330/660/1.32k/2.64k
Tappings 70.7 volt line, Watts	15/7.5/3.75/1.875
Driver impedance, Ohms	20
Effective Frequency Range, Hz (BSEN60268-5)	330-8.000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10kHz	103
S.P.L. @ Full power Octave Bandwidth, dB	118
Acoustic Power (dB-PWL@1 watt) 1k/2kHz, dB	101/100
Dispersion at 1k/2k Hz, Degrees	110/70
Directivity Axial Q factor, 1k/2kHz	6.20/15.1
● Environmental	
IP Rating	66
Min/Max amb temp	-50°C to 70°C
Relative Humidity	n/a
● Mechanical	
Dimensions, front & depth, mm	Ø 238x287
Net weight, kg	2.30
Colour/Finish	Grey RAL7035
Material	ABS plastic housing with UV inhibitors
Mounting	Stainless Steel U Bracket



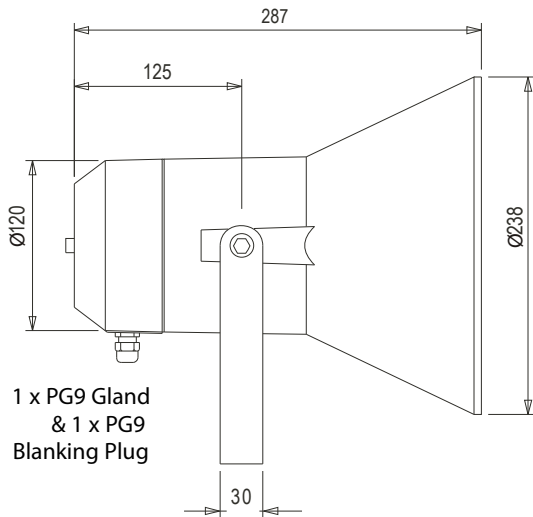
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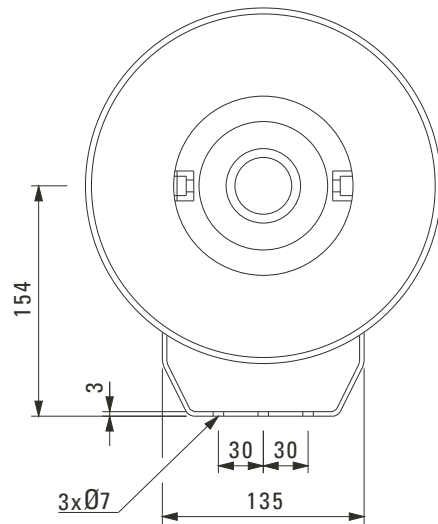
# INSTALLATION GUIDE

## PH30/T

Side view  
(unit: mm)

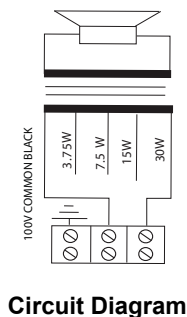


Front view  
(unit: mm)

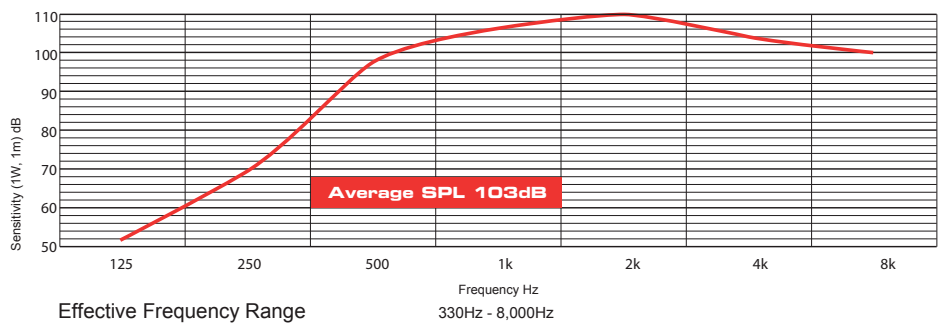


- 1) Remove the back lid of the unit and connect input cable to the ceramic terminal block through the cable gland provided.
- 2) On removing the back lid of the horn loudspeaker you will observe a 5 way plastic terminal block that is connected to the 100 volt line transformer. Fit the 100 volt line 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 3.75 watts. 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.



Frequency response



Disclaimer: We reserve the right of changes and errors.



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