

DS1082

Self-Contained Plenum Soundmasker

FEATURES

- Soundmasking source, tone control, amplifier, and speaker – *all-in-one*
- *Whisper Wave™* Technology improves Low-End Response
- Large 300 cubic inch enclosure
- Only 4-1/2” deep
- Large 8” soundmasking speaker with Magnet Shield
- Volume and Tone Control
- Powered by standard Class Two 12-Volt input
- Steel construction with 21-7/8” concave stiffening rib
- Wire leads and wire strain relief provide quick and easy installation
- ETL listed to conform to UL2043 standards



The industry's largest supplier of design-build soundmasking solutions

tech spec _ sheet

GENERAL APPLICATIONS

Dynasound's DS1082 Self-Contained Plenum Soundmasker is designed for quick and easy installation into small office zones. The DS1082 is best utilized when areas of under 200sq.ft. require dedicated control. Units can be suspended from above or bridge-mounted above a ceiling tile grid, making the DS1082 ideal for flex-space and open structure applications. The DS1082 is also suited for use when HIPAA oral privacy mandates are a concern (*check-in, examination, consultation, and pharmacy areas*). Multiple units can be networked to provide uniform soundmasking while locally powered by a central, Class Two (*under 25-Volt*) transformer.

GENERAL DESCRIPTION OF OPERATION

The DS1082 contains a Pink Noise source, an active Low Pass filter control, a soundmasking amplifier, and an eight-inch diameter loudspeaker with a magnet shield. These are enclosed in a 300 cubic inch reinforced steel housing with twenty-two lineal inches of concave stiffening ribs to reduce standing waves and metallic resonance. The DS1082 features a convoluted, flame retardant, anechoic acoustical insert to further improve performance. The unit's easily accessible, dedicated volume and tone control allow the unit to be fine-tuned for more localized performance. This device is ETL listed to conform to UL2043 standards.

The DS1082 comes completely assembled and ready for easy installation. It is wired in parallel with other similar devices to a localized secondary output step-down transformer meeting Class Two (*under 25-Volt*) requirements. The DS1082's two wire leads protruding from the assembly (*Black is Common, and Red or White is Hot*) are married with the corresponding local transformer wires to complete the circuit. The connection points are pushed back into the enclosure and the strain reliever screws are tightened to form both strain relief and wire protection. If conduit is required, please contact a Dynasound technician for alternative solutions.

▶ soundmasking.com
6439 Atlantic Blvd_Norcross, GA 30071_(770) 242-8176_(800) 989-6275

Copyright© 2005. All rights reserved. This document may not be reproduced or transmitted in whole or part without permission of Dynasound, Inc.

It is important to note that the DS1082 is effective only if the spectrum of the soundmasking is at an appropriate level and tone. This equalization must be conducted by a certified technician. Contact Dynasound for specific recommendations for the proper equalization.

SPECIFICATIONS

Loudspeaker

Eight inch diameter loudspeaker with magnetic shielding, 1-inch voice coil diameter, 8-Ohm impedance.

Transformer

12-Volts, secondary step down, localized line.

Speaker Assembly

Dimensions

9-7/8" diameter, 12-5/8" flange diameter, 4-1/2" inches deep, 22 gauge steel construction; finish: black.

Performance

Frequency Response: See graph.

Volume

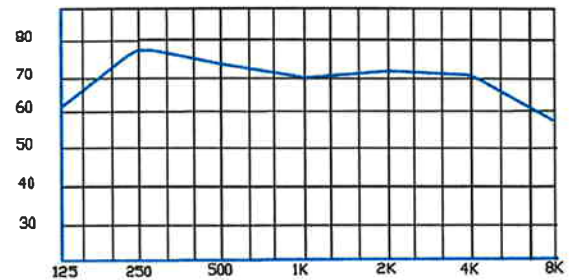
Enclosure is greater than 300 cubic inches.

ORDERING INFORMATION

DS1082 Self-Contained Plenum Soundmasker

Shipping weight: 7 lbs.

Frequency Response:



Polar Plot:

