

DS1390 Low Profile Soundmasker

FEATURES

- Ideal for use in floor cavities as shallow as 1-3/4"
- Well suited for suspension in cluttered ceilings by using hanger accessory
- Bridge mounting allows for easy installation above ceiling grids
- Performance-engineered dual drivers with tuned ports produce uniform 360-degree dispersion
- Broad soundmasking spectrum reproduction
- Multi-tap rotary switch
- Internal 70-Volt transformer
- Integral cable connector
- Rated for continuous use using standard or security rated soundmasking equipment
- Accepts a mix of soundmasking, music, and misinformation signals



GENERAL APPLICATIONS

The Dynasound DS1390 Low Profile Soundmasker is designed for quick and easy installation into cavities as shallow as 1-3/4". The unique dual-driver design provides large amounts of balanced, upward/downward and horizontal soundmasking distribution. No ceiling or floor penetrations are required and soundmasking distribution within the cavities meets ASTM requirements for spatial uniformity when installed according to manufacturer's recommendations. Accessories are available to either suspend the DS1390 above a ceiling, anchor to the raised floor pedestal, or rest on the ceiling grid. It is a versatile device that can be used for either commercial soundmasking or security applications. The DS1390 is effective in securing shallow cavities above and below a secure environment when **DIAM and DCID requirements for SCIF** need to be met.

GENERAL DESCRIPTION OF OPERATION

The DS1390 is uniquely designed for soundmasking applications where limited space is a problem. The opposed drivers fire horizontally, eliminating "hot spots" above or below the unit. The unit benefits from an internal transformer, allowing 70-Volt distributed system operation off a single "home run" wire. The unit also includes a multi-tap rotary switch so that each DS1390 can be individually adjusted without having to rewire or toggle cumbersome "jumpers". The unit has a cable connector mounted on the enclosure with wire leads protruding for easy cable connection and strain relief.

INSTALLATION AND OPERATION

The DS1390 can be wired in parallel with any other Dynasound 70-Volt soundmasking speaker or **E SERIES** 70-Volt eavesdropping protection device. Dynasound provides a more detailed installation document for the DS1390.

The DS1390 has two wires protruding from the assembly (*black is common and red, or white, is positive*). If conduit is not required, the connection points are pushed back into the enclosure and the cable connector is tightened to provide strain relief and wire protection.

The DS1390 can be powered by a soundmasking amplifier having a 70-Volt nominal output signal. It is important to note that the DS1390 is effective only if the spectrum of the soundmasking is correctly equalized. This equalization must be conducted by a certified technician with the appropriate instrumentation. The shape of the soundmasking spectrum is set at the soundmasking signal generator/equalizer. Contact Dynasound for specific recommendations for the proper equalization.

SPECIFICATIONS

Driver

Dual 4" X 1-1/4" loudspeakers with tuned ports

Enclosure

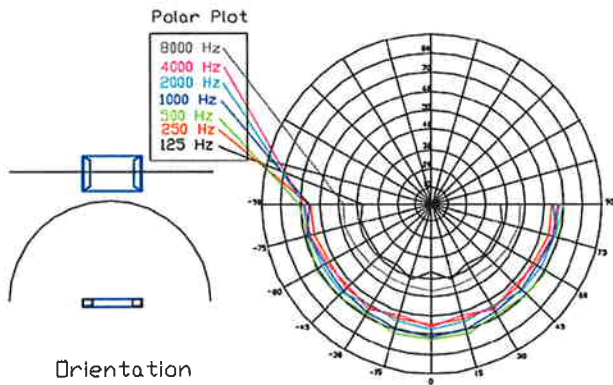
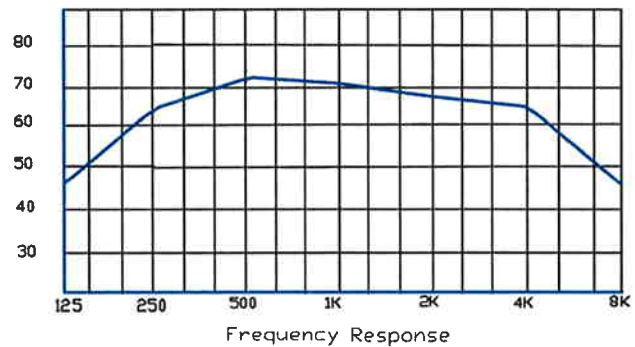
5-1/4" w X 1-11/16" h X 6-1/4" d steel housing, matte black finish

Input

70.7 Volts, Taps @ 1/8, 1/4, 1/2, 1, 2, 4 Watts

Performance

See adjacent chart. Rated using pink noise @ 1 Watt signal



ORDERING INFORMATION

Model	Description	Weight
DS1390	w/ clip for stationary tie (base unit)	2lb
DS1390H	w/ hanger for suspension	2lb
DS1390B	w/ bridge for ceiling grids	3lb