



The Chicago Loudspeaker is pictured above, connected to the hub junction box with Flexible Metal Tubing.



A hub shown inside the sealed junction box.



The Loudspeaker (LA-1) already meets *UL 2043 Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces*. The LA-1CH model – dubbed the ‘Chicago Loudspeaker’ – is installed in regions where building code requires conduit to be used in any case.

A loudspeaker is suspended from a hub and used to broadcast masking, paging and/or music. The LA-1CH model and the junction box used to house the hub were designed to meet Chicago’s stringent requirements. The enclosure and junction box are made of steel. The cabling is contained within Flexible Metal Tubing (FMT) listed for use in plenums and other air handling spaces. Where it enters the enclosure, this specialized conduit terminates in a one-piece zinc connector fitted with a rubberized polymer gasket, forming the smoke-tight seal required by the NEC. The junction box is also sealed. A flame retardant fabric located below the speaker grille prevents the accumulation of dust.

SPECIFICATIONS

Audio Performance

Masking Output	87 dBA maximum
Paging Output	87 dBA maximum

Driver Specifications

Frequency Range	90 to 10,500 Hz
Dimension	10.1 cm; 4 inches
Power Handling	25 W (RMS)
Sensitivity	88.6 dBA @ 1W / 1m
Magnet Structure	510 g; 18 oz
Impedance	16 ohms

Connections

Loudspeaker Input	2-pin
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Cabling

Loudspeaker to Hub	Integrated cable assembly in FMT
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Physical Specifications

Dimensions (W x H)	15.2 x 15.8 cm; 6 x 6.2 inches
Enclosure	Electroplated steel housing, 26 gauge
Weight	1.52 kg; 3.36 lbs including FMT and chain

Mounting

Method	Suspend from hub
Chain Length	45.7 cm; 18 inches
Loudspeaker Orientation	Upwards facing

Junction Box for Hub

Dimensions (W x H)	20.3 x 6.6 cm; 8 x 2.6 inches
Material	Electroplated steel housing, 26 gauge
Gasket	Neoprene / EPDM / SBR
Knockouts	5 knockouts; 0.086 inches for 3/4-inch conduit; 1.125 inches for 1-inch conduit
Weight	756 g; 1.6 lbs, not including hub

Warranty

5 years; see LogiSon® Product Warranty for details

Certifications

Meets UL, CE and FCC standards and is approved for use in air-handling plenums; RoHS compliant

* For hub specifications, refer to the appropriate section(s) of this catalogue.