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.

A LogiSon Representative will design the system and select the components. Technical specifications are subject to change without notice.

**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
- **Cabling**: Loudspeaker to Hub — Integrated cable assembly in fMT

### 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 ¾-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.