



## **DS31-EZ**

### **Architectural Specifications**

The loudspeaker transducer shall consist of one full-range 76.1mm (3.0 in.) polypropylene cone with butyl rubber surround.

Performance specifications for a typical production unit shall be as follows: Useable frequency response shall extend from 80Hz – 20kHz (-10 dB). Measured sensitivity (2.83 volt input, 1 meter) shall be at least 87.1 dB. The speaker shall have a nominal impedance of 8 ohms, with a 20-watt transformer for distributed systems. The transformer shall have a selectable terminal input for 25-, 70.7-, and 100-volt applications with an optional 8 ohm bypass. Rated power capacity shall be at least 20 watts continuous (RMS). Maximum continuous power output at 1 meter shall be 97 dB.

Installation shall be by mounting element designed to retro-fit in most junction boxes. The speaker will hang via 10 foot signal/hanging cable (included). For safety redundancy, a secondary cable shall be included and attached to the speaker mounting bracket. Cover plate is included to store excess signal/hanging cable as it is screwed into place, concealing the mounting element and junction box. The 20-watt transformer will be mounted directly inside the speaker cabinet. The speaker utilizes weatherized components for indoor and outdoor applications and is IPX6 rated.

External wiring shall be by wire leads.

The speaker enclosure shall be made up of a primary cabinet with optional slide-on sleeves. The enclosure and sleeves shall be constructed of injection-molded ABS plastic. The grille shall be constructed of powder-coated steel for lasting performance and magnetically affixed to the speaker baffle, with a backup safety cable attached to the back of the speaker cabinet. Overall dimensions of the primary cabinet shall be no more than 166.1 mm (6.54 in.) in height and 113.0 mm (4.45 in.) in diameter.

The system shall be the DS31-EZ for both low- and high-impedance applications.