

Delphi Vehicle Sound Generator

Delphi's vehicle sound generator is an environmentally friendly, single-box sounder that is designed to help vehicle makers comply with legislation related to the safety challenges of near-silent hybrid and electric vehicles. Robust enough for underhood mounting, the high-fidelity sound generator is compact, lightweight and cost competitive. It features a 32-bit microprocessor with flash memory, an audio class-D amplifier and can reproduce melodies that represent vehicle identities. Though very light, weight of the conventional cone speaker system can be reduced by 66 percent when a special magnet is used to activate the system.

▶ The Delphi Advantage

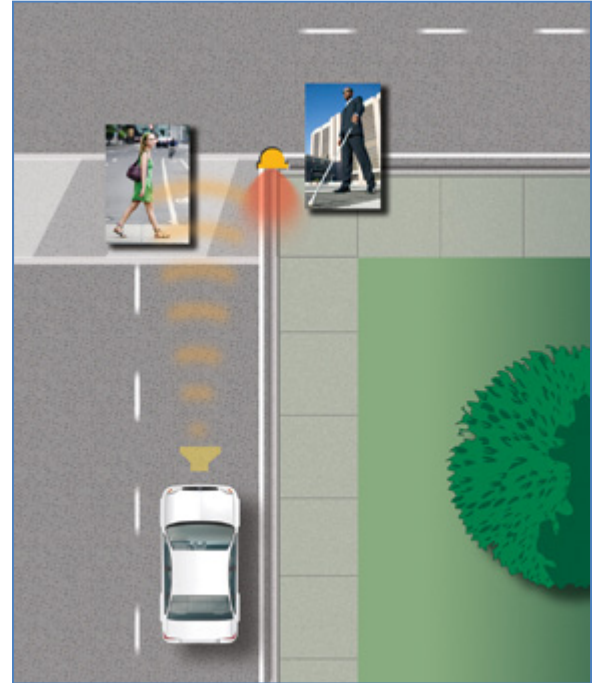
- Decades of alarm system, safety and body electronics experience
- Automotive systems integration expertise

▶ Features

- Frequency range: 300Hz – 10KHz
- 32-bit microprocessor with flash memory
- Audio class-D amplifier: 16 bits sampled at 22KHz
- Underhood compliance (IPX7)
- Unique Delphi algorithm that generates OE-defined melody

▶ Benefits

- Compact, single-box configuration
 - Three times lighter than multi-box system
 - Simplifies packaging, reduces wiring harness impact, and eases vehicle mounting
- Uses less power than competitive systems, pulling less than 2 amps
- Link to vehicle data bus, enabling a warning system that can offer multiple features
- Environmentally friendly: lead-free, waterproof and temperature resistant
- Helps vehicle makers comply with legislation related to the safety challenges of near-silent hybrid and electric vehicles



Innovative Delphi Sound Generators help warn pedestrians of oncoming hybrid and electric vehicles.



With a data connection, the 100 x 100 millimeter unit allows vehicle makers to enable multiple warning sounds using one sound generator.