



ELECTRIC VEHICLE ALERT SYSTEM

Audible Warning Device for Electric Cars and Hybrid Vehicles

ECCO's Electrical Vehicle Alert System (EVAS®) emits an audible warning to alert pedestrians to electric, hybrid, and commercial vehicles driving at low speeds. EVAS comes with a catalog of preinstalled FMVSS141 and EUECE Reg 138 compliant tones for plug-and-play functionality. The Electrical Vehicle Alert System also allows OEM manufacturers to create custom audio tones, unique to the manufacturer, to further enhance the user's EV/HV driving experience. Custom tones include acceleration, deceleration and user experience tones such as charge complete, door open, power on or power off. Compatible with Class 1 through Class 8 vehicles.

Models

PART NO.	GENERATION	TYPE
EVS1000-M	1	Main
EVS1000-S	1	Secondary
EVS1002-M	2	Main
EVS1002-S	2	Secondary

Certifications

- USA : FMVSS 141 : 49 CFR 571.14
- EU : UNECE Reg No. 138
- China : GB/T - 2018
- SAE J994 reversing tone
- Generation 2 has increased memory, improved audio quality, improved cyber security, and internal system diagnostics
- IP69K

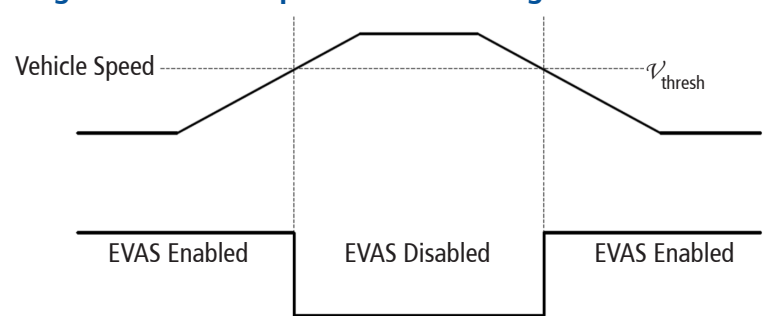
Features and Benefits

- Provides audible perimeter safety for your vehicle
- Multiple frequency profiles available
- Audio engineering capability
- Diverse tone catalog
- Smooth sound file ramping
- Vehicle action tones available
- Ability to embed custom sounds
- Dynamic firmware updates
- Automotive grade EMI/EMC and voltage transients protection

Specifications

- 12-24V
- Multiple mounting options
- Main DT06-6S, Secondary: DT06-2S

Diagram of Vehicle Speed for Control Signal to EVAS



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Electric and hybrid production vehicles can become compliant in style with the Electric Vehicle Alert System's approved and customized tones. Upgrade public service and work vehicles to satisfy the FMVSS 141 low-speed minimum sound requirement and establish a perimeter of safety for pedestrians.



EVS 1000

Vehicles: Class 1-2 (<10K lbs)

Features: Certified pedestrian tones / flashable programming / asynchronous tones



EVS 1002

Vehicles: Class 1-2 (<10K lbs)

Features: Increased memory / improved audio quality / improved cyber security / internal system diagnostics



EVS 3000

Vehicles: Class 1-2 Luxury Vehicles (<10K lbs)
Class 6+ (>19.5K Lbs)

Features: Digital amplifier / dynamic audio control / scalable memory / central control module



EVS 4000

Vehicles: Class 1-8 (all vehicles)

Features: Customizable OEM tones / infotainment integration / high decibel output / dynamic user interface