

IDLERIGHT - FUEL MANAGEMENT SPECIFICATIONS

Each public safety vehicle specified shall have an idle management system installed to reduce fuel consumption and engine wear.

When the vehicle is parked with engine turned off and warning lights turned on, the idle management system will allow equipment to operate under vehicle battery power alone until battery voltage drops below a user-programmable threshold, at which time it will automatically start the vehicle engine in order to recharge the battery. The vehicle will run for a pre-set (default) period of time or user-programmable time sufficient to recharge the battery, and then shut off. It will continue this cycle until it is deactivated.

The device will be integrated primarily with the vehicle warning light equipment, so that it can only be activated when such warning lights are powered on. It shall include safety shutdown features to prevent running the vehicle engine whenever the hood is open or when the brake pedal is pressed. Additional trigger wires will also be included for activating end user special equipment if desired.

The idle management system will not require an external battery or other power source, and must not increase gross vehicle weight by more than 5 lbs. All logic components will be installable under the vehicle dashboard. A momentary programming switch with diagnostic indicator light will be installed to allow field programming of its features as needed.

The system must not affect normal operation of the vehicle and will only require the engine to run when it is activated and needed to recharge the battery. It must also allow the ignition key to be removed and doors to be locked. It shall support both gasoline and diesel vehicles with automatic transmissions.