INTERMOTIVE
VEHICLE
CONTROLS
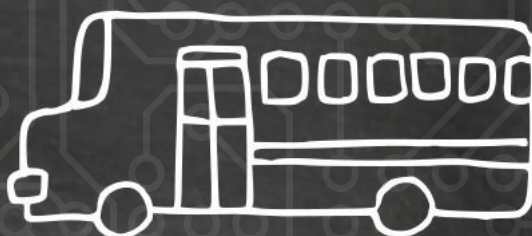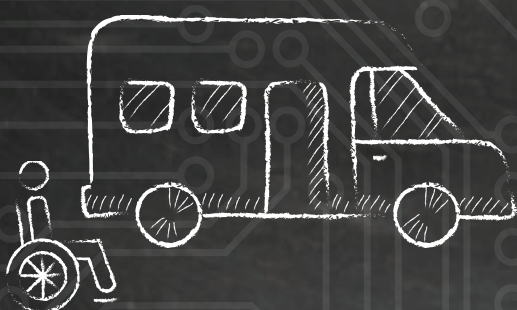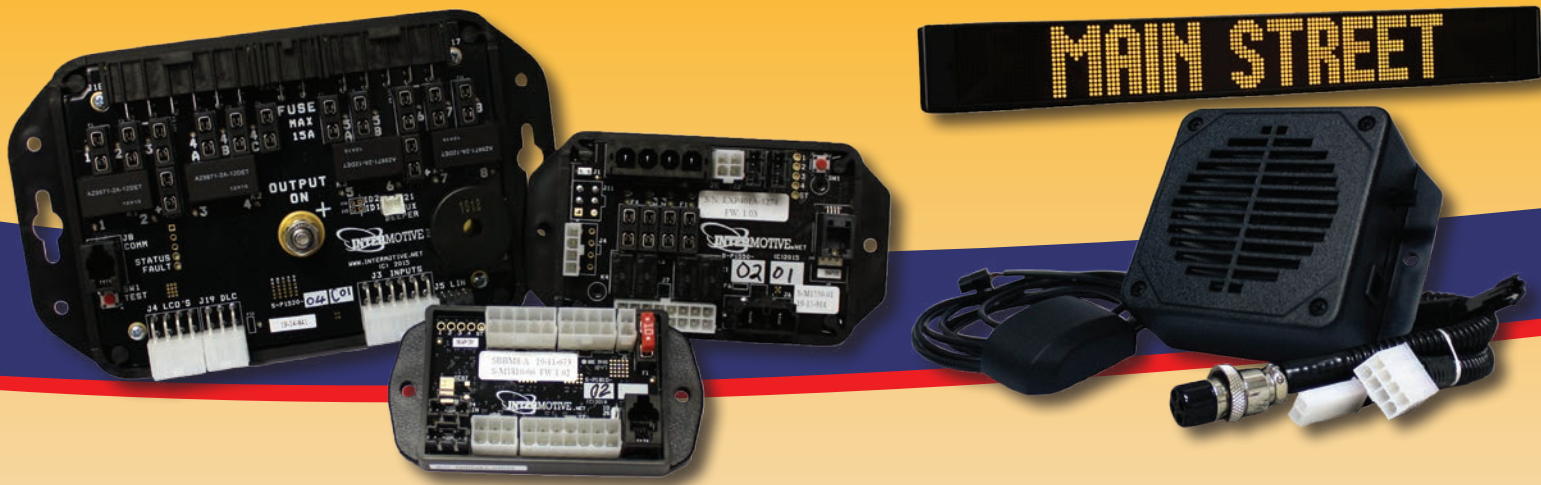*An ISO 9001:2015 Registered Company*

Teach your vehicles new tricks.

Transportation Products:
Transit, Shuttle, School Bus and Personal-use Mobility

What We Do For Transportation

InterMotive Vehicle Controls provides commercial safety and performance optimization products for transit and paratransit, shuttle, school bus and personal-use mobility vehicles. Our plug-and-play electronic control systems leverage a vehicle's own data networks to enhance its function in new ways.

Whether you're looking for wheelchair interlocks, electrical load control, idle mitigation, theft prevention, talking bus, equipment control, network connection compatibility, shift locks or more, we've got you covered.

CAN Data Products

- Aftermarket Interface Module™
- Bluetooth Module
- Break Out Box
- FlexTech™
- Gateway
- J1939 Translator
- Upfitter Interface Module®

Fwd/Rev Camera Systems

- Camera Controller
- HawkEye™ Reverse Assistance

High Idle Products

- Advanced Fast Idle System
- Aftermarket Interface Module™
- Gateway

Idle Mitigation Products

- EcoStar™
- EcoStar™ III
- Idle Timer Controller

Interlocks

- Gateway
- HighLock
- Intelligent Lift Interlock System, Electronic/Manual Doors
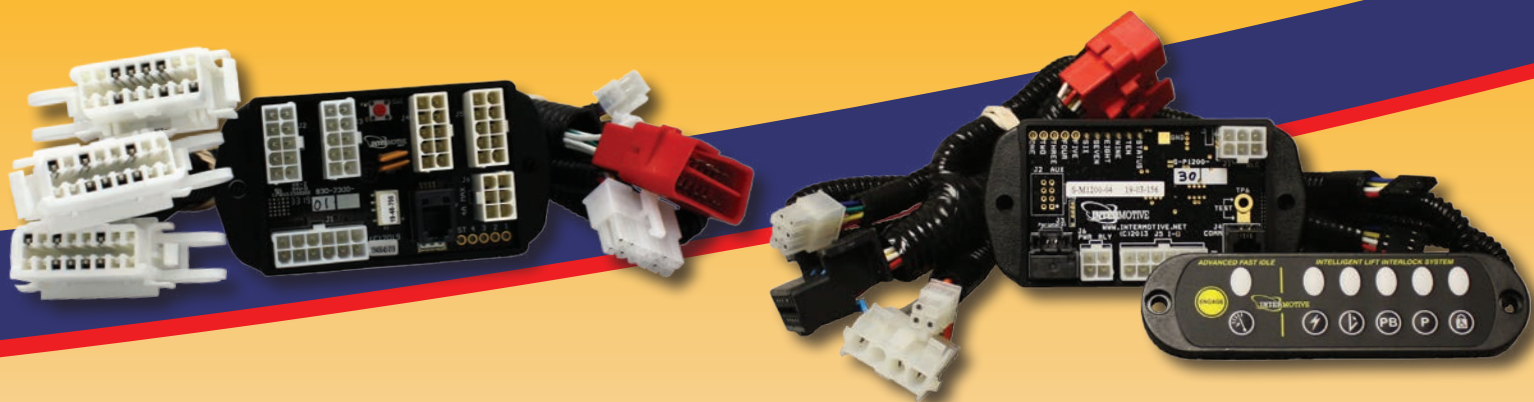- Lift Interlock

Load Control System

- FlexTech™

Safety/Security Products

- AutoGARD™
- CATalert™
- Emergency Door Module
- Engine Monitoring & Shutdown System
- FlexSpeak™ ADA Talking Bus
- IdleLock™
- Park Crank Only/Crank Disable
- Pre-Trip Module
- SafeSTOPS™
- Seat*LINK*™
- Speed Sentinel™
- TempGuard

Speed Limiter System

- Speed Sentinel™

Transportation Products

Advanced Fast Idle System

Field adjustable high idle system idles at three customizable speeds. Provides auto battery charge protection.

Aftermarket Interface Module™

This system combines high idle and Upfitter Interface Module® technology as a fully programmable and customizable power relay unit.

AutoGARD™

Anti-theft shift lock that activates automatically when placed in Park. Designed for frequent exiting of vehicles that need protection from theft or unauthorized movement.

Bluetooth Module

Provides vehicle data via Bluetooth-enabled devices for third-party software packages over J1939 communications bus.

Break Out Box (BOB/BOBe™)

A multi-access hub for vehicle network connections, reducing compatibility issues and the need for multiple harnesses. BOBe provides passive data acquisition with an auxiliary CAN network for third-party devices.

Camera Controller

This camera system will activate up to three cameras when turn signals are on or transmission is in Reverse.

CATalert™*

An anti-theft alarm that helps prevent catalytic converters from being stolen and works on any commercial vehicle chassis. Any attempt to remove the catalytic converter or disable CATalert will cause the horn to honk. An output signal is provided for additional functions to deter and/or report theft.

EcoStar™

Automatic engine stop/start system provides enhanced fuel economy and prevents unnecessary idling. Stop/start conditions are fully customizable.

EcoStar™ III

This key in/out idle mitigation system includes a free mobile app for custom configurations, remote stop/start and real-time data. The automatic door lock/unlock feature uses AutoSense™ technology to detect the fob's location.

Emergency Door Module

Prevents the vehicle from starting unless the emergency exit door or window is closed and unlocked.

Engine Monitoring & Shutdown System

Monitors specific powertrain conditions and initiates a warning and engine shutdown sequence if parameters are exceeded.

FlexSpeak™ ADA Talking Bus

This automated voice annunciator system provides an improved experience for passengers with audible and visual communication. The integrated GPS unit automatically triggers messages using the vehicle's PA system and a destination sign.

FlexTech™

Complete vehicle electrical load control system, customizable to your needs. Includes PRPC, switch backer and expansion boards.

Gateway

All-in-one wheelchair interlock and high idle system ensures full functionality of the vehicle's systems while using the lift. *ADA/FMVSS 403/404 Compliant Interlock*

HawkEye™ Reverse Assistance

Front/rear object detection system with LCD display. Alerts the driver with both visual and audible warnings.

HighLock

Keeps the vehicle from moving while the lift is in operation and the fast idle system maintains power in all load conditions. *ADA/FMVSS 403/404 Compliant Interlock*

Transportation Products
continued

IdleLock™

Theft prevention system that allows the engine to idle securely with the key removed from the ignition and the transmission locked in Park.

Idle Timer Controller

Programmable idling engine shutdown system automatically turns the engine off based on time. Override and disable versions allow the engine to idle when equipment is in use.

Intelligent Lift Interlock System (Electronic/Manual Doors)

Prohibits lift operation unless the vehicle is in Park and the parking brake is set.

J1939 Translator

Uni-directional communications portal that translates Ford's CAN network for J1939-based systems.

Lift Interlock

Wheelchair lift safety system prevents the vehicle from shifting out of Park if the lift is not properly stowed.

Park Crank Only/Crank Disable

Prevents engine start-up if certain customizable safety conditions are not met.

Pre-Trip Module

Automatically activates exterior lights in a cycle and captures vehicle data via Bluetooth-enabled devices to assist with pre-trip inspections.

SafeSTOPS™

Student transportation off-boarding protection system prevents children from getting trapped in bus doors and warns drivers of potentially life-threatening situations.

Seat*LINK*™

Seat reporting system tracks the occupancy and belt status of passengers. Tablet display provides audible and visual alerts. *Sold exclusively through Freedman Seating Company*

Speed Sentinel™

Limits the maximum speed a vehicle can travel. Includes a mode for passing traffic and an emergency response override.

TempGuard

Monitors the engine coolant temperature (ECT) and initiates dual warning alerts via a buzzer and LED panel if parameters are exceeded.

Upfitter Interface Module®

Programmable CAN data access system designed to control or activate equipment. Output functions can be configured as momentary, latching, time-hold, time-delay or flashing.

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