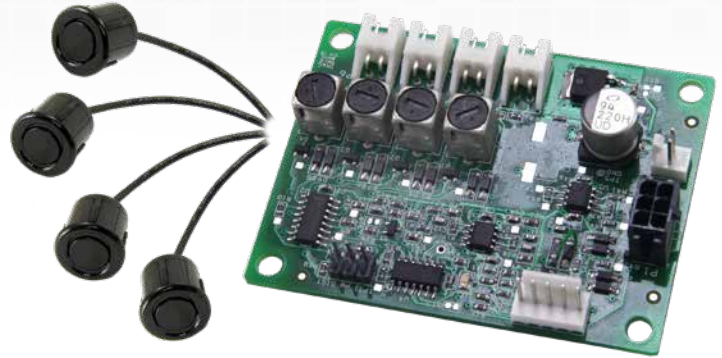


## Features/Benefits

- Detects interference with stationary or moving objects
- Prevents damage to the vehicle, the facility and injuries to pedestrians
- IntelliStop™ automatically commands the motor controller to slow down or stop
- Custom programmable for almost any application
- Field retrofittable to most battery-operated vehicles
- Up to four (4) sensors per system
- Each sensor module can be independently programmed for different distance algorithms



Scalable up to  
four sensors

## Description

The CS1320A IntelliStop Automatic Intervention System is an add-on module for battery-operated motorized platforms such as ride-on floor scrubbers and vacuums and material handling vehicles. The CS1320A provides added safety for both the vehicle and operator by automatically commanding the drive motor controller to safely slow or come to a full stop before a collision. The CS1320A provides that same level of safety to persons or walls/obstacles in a facility by detecting moving or stationary objects and automatically commanding the vehicle's drive controller to slow down and stop before hitting an obstacle. In many cases, ride-on op-



CS1320A keeps staff and expensive equipment safe from injury or damage

erators of equipment are rushed and/or don't properly judge distances to walls and often the vehicle or the facility sustains damage. The CS1320A with its IntelliStop™ logic can surround the vehicle in a protective zone, taking over automatically for any operator errors.

## About Us

Control Solutions LLC designs, manufactures and provides American-made motion control solutions that are integrated into some of the leading OEM products. From concept through to full production, we are committed to providing state-of-the-art designed products that will give your products a competitive advantage. Control Solutions LLC is a pioneer in software-based motion control systems with a continued focus on battery-operated environments.



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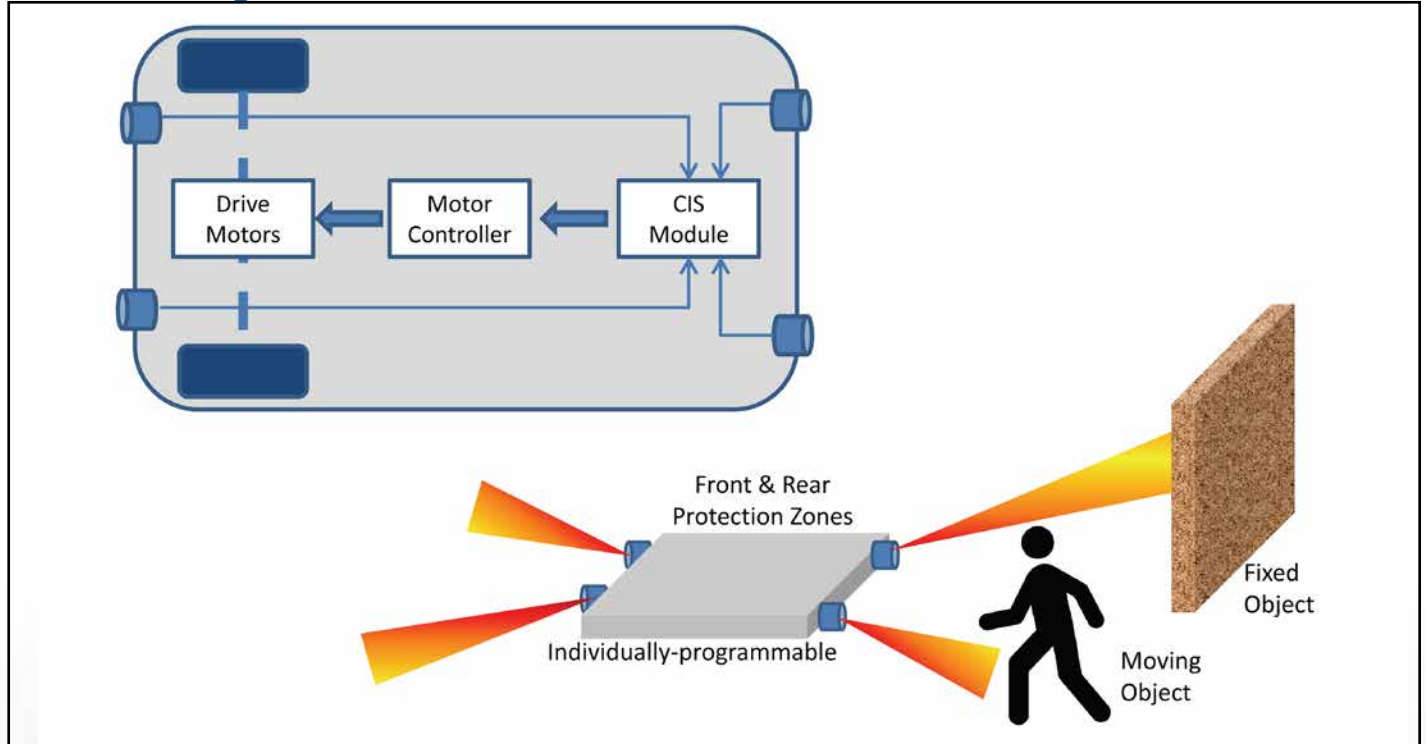


## Specifications

CS1320A Specifications	Minimum	Typical	Maximum
Module - input power	12VDC	24 volts	36 VDC*
Power consumption		20 mA	
Operating Temperature, ambient °F (°C)	-40 (-40)	77 (25)	113 (45)
Number of Sensors	1	1-4	4
Sensor mounting		25mm hole	
Detection Range	10 inches	programmable	48 inches
Physical Size – Module un-potted PC board, Inches (mm)		2.9 x 2.2 x .60 (73 x 55 x 15)	
PCB Weight, lbs (Kg)		0.057 (0.026)	

Note: The CS1320A module is custom-designed to fit within different platforms and can be mounted in a housing or directly into product.  
 \* The 36 volt configuration is not currently available.

## CS1320A diagram



Specifications subject to change without notice.