

ZEMCO SL900 SERIES

- › Speed Limiter
- › RPM Limit
- › Power/acceleration limit
- › Geofence › location-based speed limit



Also for electric vehicles
More than just a Speed Limiter



One limiter, multiple functions, designed for modern vehicles

The Zemco SL900Ci is a smart, multifunctional limiter that combines precision, safety and flexibility in a single compact system.

With support for speed, RPM and acceleration limiting, it offers bespoke control for modern vehicles and demanding operational environments.

Thanks to its CAN bus compatibility and simple PC-based programming, the SL900Ci helps to simplify installation whilst delivering reliable performance.

Diagnostic functions make commissioning faster and more efficient, making it a practical choice for professional vehicle applications.





Precise vehicle control with quick installation and reliable diagnostics

The SL900Ci is more than just a speed controller: it supports safer driving, better vehicle management and more consistent performance. By limiting speed, engine speed or acceleration where necessary, it helps prevent unwanted speeding and ensures smoother operation in everyday use. Reducing wear and increasing the range of the vehicle

Legislation

Vehicles within the scope of UN ECE Regulation No. 89 shall be fitted with an approved speed limitation device or adjustable speed limitation device, as applicable.

The device shall ensure that the vehicle cannot exceed the maximum speed prescribed for the relevant vehicle category and approval conditions, in accordance with the requirements of the regulation and any applicable national implementing measures.

Mandatory max. speed limitation

Commercial vehicles above 3.5 t:	90km/h
Passenger vehicles with more than 8 passenger seats:	100km/h
Waste-bin truck reversing speed:	9 km/h

The Zemco SL900Ci gives you complete control where it matters most

Whether you need a fixed speed limiter, a variable limiter that can be selected by the driver, a rev limiter or an acceleration limiter, the SL900Ci adapts to the vehicle and the task at hand.

It can also combine multiple functions into a single system, offering a flexible solution for a wide range of applications.

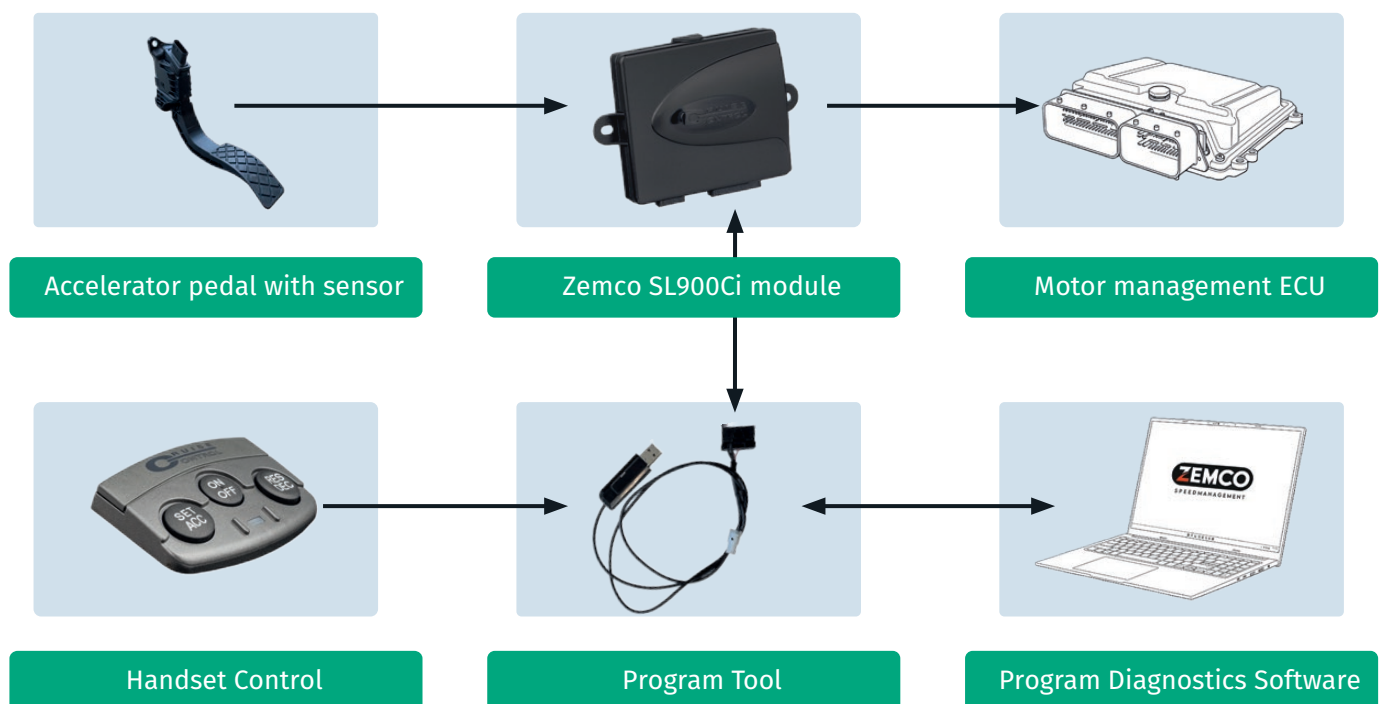
The SL900Ci is built for modern CAN-bus vehicles and designed for efficient installation and simple diagnostics. Settings can be quickly programmed and checked via a PC or laptop, which reduces installation time and supports servicing. For added convenience, the system includes diagnostic functions to help identify and resolve issues during installation.

The SL900Ci consists of an electronic control unit that is installed between the accelerator pedal and the engine management system, and can be programmed as required.

Depending on the system configuration, additional functions can also be enabled.

Thanks to the SL900Ci's specialised design, there is no need to modify the standard engine management hardware or software, making it suitable for use in a wide range of vehicle types. It can also be configured on-site by qualified personnel.

Configuration diagram



Zemco Speed Limiters

Unique features and functions

Speed Limiter	Fixed Speed Limiter, which cannot be overridden by the driver, programmable between 25 and 250 km/h.
Variable Speed Limiter	Optional control module, which the driver can set between the 25 and 250 km/h.
Additional Limiter	In addition to the fixed speed limit, up to three additional fixed speed limits can be programmed.
RPM Limiter	Limits the maximum RPM, if desired, only until a certain torque is reached.
Acceleration Limiter	Reduces power so that the vehicle accelerates more smoothly, if desired, only up to a certain speed.
Fixed low-Speed Limiter	Fixed Speed Limiter, which cannot be adjusted by the driver, can be set between 5 and 55 km/h.
Geofence Limiter	Activates the speed limiter in predefined zones at predefined speed levels.
Authorised deactivation	Sometimes it is desirable for an authorised person to be able to temporarily disable the limiter. Encoded keys are an accessory that makes this possible.
Option to activate multiple limits per vehicle	Up to 4 different limits are possible.
Geofence, different limits for each defined geographical zone	Up to 30 geographical zones, with up to maximum 3 different speed limits.
With RPM Limiter function	This ensures that the engine always operates within the optimum rev range.
With Acceleration Limiter function	Ensures that the vehicle's acceleration is reduced to the desired level.
Plug & Play cable set	For the connection between the SL900Ci module and the accelerator pedal, more than 50 different Plug & Play cable sets are available.

ZEMCO

ZoneSpeed®



Up to 30 geographical zones with up to 3 limits.

ZoneSpeed® Geofencing

Location-based speed limits (geofencing) may be desirable in industrial environments.

Here, safety, efficiency and regulatory compliance go hand in hand. Think of maritime ports, airports, mining sites and (petro)chemical sites.

With the ZoneSpeed® extension on the SL900Ci, a vehicle within a specific geographical area is automatically limited to the maximum permitted speed entered.

When the vehicle leaves this zone, the limiter switches off again. If the vehicle enters a different zone, the limit applicable in that zone is automatically set.

30 zones, up to maximum 3 different speed limits

ZoneSpeed® can define up to 30 zones via its user-friendly web platform. Within these zones, three different speed limits can be set.

The speed limiter operates entirely in real time and responds immediately as soon as a vehicle enters or leaves a zone.