



# Zemco 900 series Intelligent limiter

Speed, RPM, Acceleration control

**Extremely short ROI!**



Also for electric vehicles  
More than just a speed limiter

ZEMCO.EU



## Limiters 1-2-3

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### Speed limitation, how does it work?

A speed limiter ensures that the driver cannot drive faster than the set maximum speed.

- With a speed limiter, the maximum speed is programmed during installation. The driver can't influence the maximum speed setting.
- The speed limiter can be set from 25 km/h to 240 km/h.
- The speed limiter switches on automatically and smoothly adjusts the speed to the maximum set value.

2

### RPM limitation

A motor delivers the maximum torque at a relatively low RPM depending of the type of engine. In the higher RPM range the torque becomes lower but increases fuel consumption.

*With a RPM limiter, often in combination with a fixed limiter, the new economical driving is stimulated. There is more driving in the RPM range in which the engine functions most efficient. This reduces fuel consumption.*

To still be able to reach the desired maximum speed, the RPM limiter at a higher speed can be disabled.

### Zemco SL900Ci clear advantages

- Speed limiter improves safety of the driver and other road users.
- Saves fuel, tyre wear and tear and brake parts.
- Reduces the risk of speeding.
- It reduces CO2 emissions, relieves the environment and helps to achieve your CSR objectives.
- Contributes to the comfort of passengers and prevents damage to the cargo.

*In electric vehicles, it increases the range considerably. It makes this product very suitable for the taxi industry and light commercial vehicles.*



*A limiter effectively reduce the consumption and costs of your fleet.*

## Future proof, suitable for EV vehicles

Electric light commercial vehicles, the future. More and more companies are switching to electric driving. That brings another driving style with it.

3

### Acceleration limiter, especially for EV!

An electric motor has its maximum torque directly from zero RPM. This causes electric vehicles to accelerate very fast. Unfavorable for range, safety, load but also life of tires and drive.

### Limit speed and acceleration in one

It is crucial to be able to drive as far as possible with an electric company car. The range depends of a number of factors. The consumption of the car is a factor with which profit can be achieved. This depends on the driver's driving behavior.

- The consumption is mainly determined by the drive maximum speed. The faster one drives, the smaller the radius.
- The range is increased and the next charge thus delayed when acceleration moderates and the maximum speed is limited.
- It also requires less battery power when accelerating in moderation.

### Limiter for an electric vehicle

When the speed limiter is installed, the rider noticed none of this. If the set maximum of the fixed limiter is reached? Then the vehicle stops smoothly with acceleration and then continues to drive at the maximum speed.

So it's enjoying the benefits of a limiter, without compromising on driving comfort.



*Increase range, save on service costs and recharge less often*

### Special projects by Zemco

#### A speed limiter, for the towing services in Great Britain:

- Wich ensures that the driver can't drive faster than 75mph (approx. 120 km/h).
- When in case of calamities the flashing light is enabled the limit goes to a safe 25mph (40km/h).



*Both the manufacturer and the limiter system itself are inspected and certified according to the highest possible standards.*

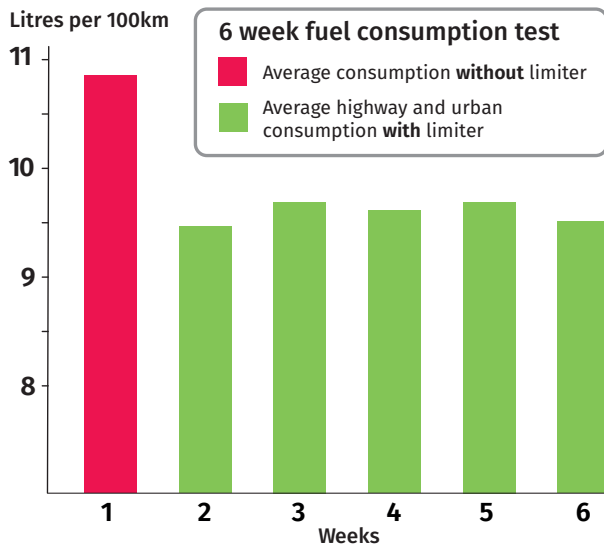


SPEED MANAGEMENT

## Limiter savings test

Test with a Peugeot Boxer

- RPM limiter at 2250 RPM
- Speed limiter to 110 km/h
- Total distance travelled: 3000km.



## Return on investment

Less fuel consumption due to calm and controlled driving means:

- Lower emissions of: NOx, CO<sub>2</sub> and particulate matter.
- Lower costs on repair, maintenance and tires.
- Less chance of damages and speeding tickets.
- Contributes to CSR (corporate social responsibility).

## Why a Zemco limiter?

- Very short ROI (return on investment), up to 15% fuel savings.
- Delivered ready-to-use for your vehicle
- Short installation time
- Also very suitable for electric vehicles.
- Certified quality (E-approved, IATF 16949).

## Special projects by Zemco

**A speed limiter, for vehicles on airfields.**

- A vehicle equipped with airplane stairs, is limited to 30mph (48km/h).
- When approaching an aircraft (recognition by means of the aircraft beacon) the limit goes to 5mph (8km/h).



## ZEMCO

Your supplier or fitting station:



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