

SPEED LIMITATION DEVICE

SLD is a device whose primary function is to **control the fuel feed to the engine**, in order to limit the vehicle speed to a preset value.

Save Life



Empowers driver to have superior control over the vehicle in times of emergencies, thereby, drastically reducing fatalities on the road.

Save Fuel



Control the vehicle precisely over the preset speed which will reduce fuel consumption drastically.

Save Vehicle



Control over speeding means, less number of braking, less vibration, less engine strain, less wear and tear, altogether a smooth performance!

Save Environment



Precise control of fuel causes an optimum performance of the engine, results in ideal firing with minimum exhaust gases, and thus reduces air pollution.

APPLICATIONS

Electronic Pedal (Modern vehicles)

- Control through vehicle ECU/ ECM

Mechanical Pedal (Older vehicles)

- Control through Solenoid Fuel Valve
- Provide smoother control compared to cable type

Note: Both receive real-time speed signal directly from vehicle (without GPS)

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90
KM/H

Speed Eye Plus

by Thinture Technologies Pvt. Ltd. (India)

Model:

TH/SE/99

Compliance:

United Nations Regulation 89 (UN R89)

Approval No.:

E11*89R00/00*2115*00 (Part III)

JPJ Reference No.:

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Sensor-based Control v.s. GPS-based

Sensor-based systems deliver real-time speed signals directly from the vehicle, unlike GPS-based systems which may experience lag or signal loss. Our sensor-based solution ensures **consistent** and **reliable** speed limiting - with no signal disruptions in tunnel or remote areas, no delay, and enhanced accuracy.



SENSOR-BASED TYPE

	Sensor-Based Type	GPS-Based Type
Speed Source	Vehicle speed sensor/ ECU	Satellite
Accuracy	Real time speed limiting (Instant response)	Medium (delayed sometimes)
Delay	✗	☑
All-Condition Performance	Excellent	Poor
Signal Dependency	✗	☑
Reliability	Stable	Inconsistent

	Fuel Valve Type	Cable Linkage Type
Control Method	Electronic fuel flow regulation	Mechanical pull on accelerator
Tamper Resistance	High	Low (Easy to bypass manually)
Wear Items	None	Cables, Springs, Bearings
Maintenance	Maintenance free	Regular adjustment (greasing, tensioning)
Adjustment	Digital	Manual (Mechanical)
Durability	High	Low (Subject to stretching/fraying)
Reliability	High/ Consistent	Decreases with age

Fuel Valve Control v.s. Cable Type

Fuel valve type controls the fuel feed to the engine to limit the maximum speed. Powered by intelligent fuel valve control for a **smooth, seamless & jerk-free** experience without power loss.



FUEL VALVE TYPE