

An ISO 9001 - 2008 Certified Company

**THINTURE TECHNOLOGIES PVT. LTD.**



Speed **EYE**  
Road Speed Limiter

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## ABOUT US

THINTURE is a technology company which concentrates on design, development and implementation of automotive control systems. This includes, electromechanical hardware development , micro controller programming to secured internet communication applications.

THINTURE is already operational and having business presence in many countries through various partners . Using our industry knowledge, service-offering expertise and technology capabilities, we identify new business and technology trends and develop solutions to help clients around the world.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

# PRODUCTS

- › SPEED-EYE - Road Speed Limiter
- › TRACK-CAR - Vehicle tracking & control system

---

**Designed and Developed as per European union standards EEC 92/24**

---

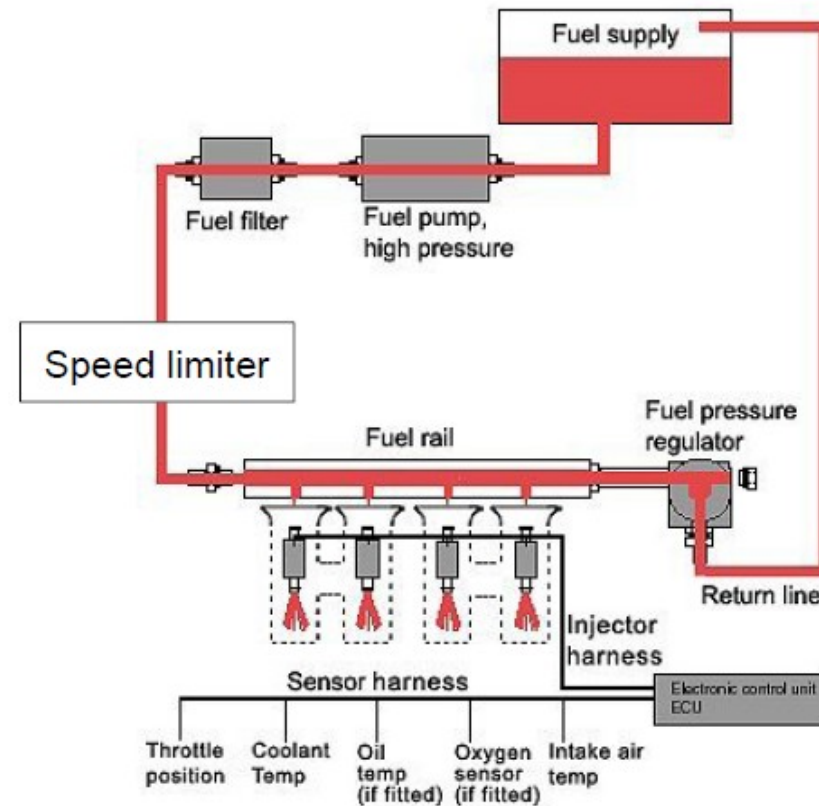
Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

**Saves Life | Saves Vehicle | Saves Environment**

## What is a Road Speed Limiter ?

A Road speed limiter (RSL) means 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.



Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## SAVES LIFE

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

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## SAVES FUEL

Speed-Eye, controls the vehicle, precisely over the preset speed which will reduce fuel consumption drastically.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## SAVES VEHICLE

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

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## SAVES 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.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## TYPES OF SPEED LIMITER

- ACCELERATOR CONTROL - CABLE TYPE
- DIRECT FUEL CONTROL – SOLENOID VALVE TYPE
- ELECTRONIC CONTROL – ECM CONTROL

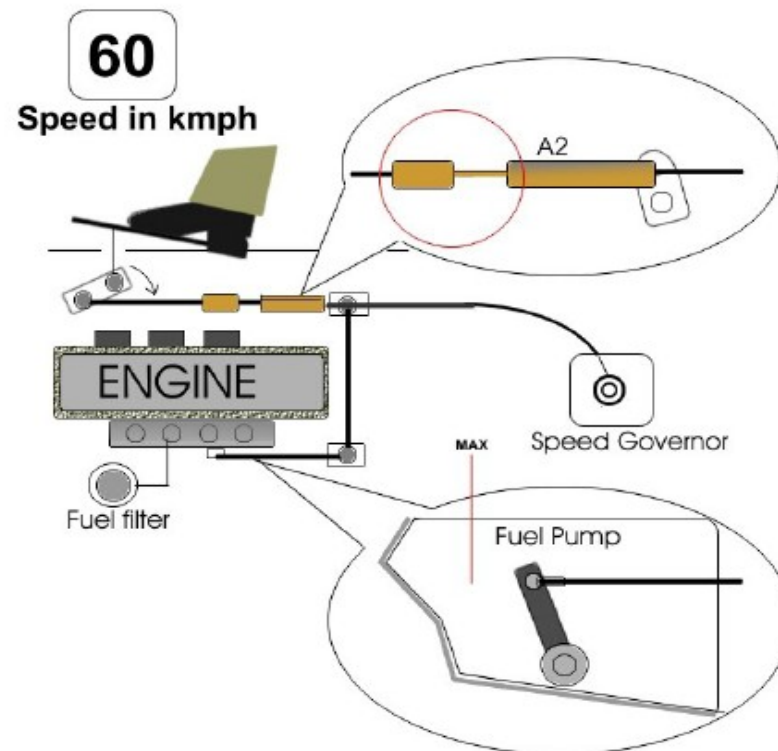
Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## ACCELERATOR CONTROL - CABLE TYPE

A Motor will control the stroke length of the accelerator pedal linkage to fuel pump once speed reaches set speed.



Normal speed meets every need...

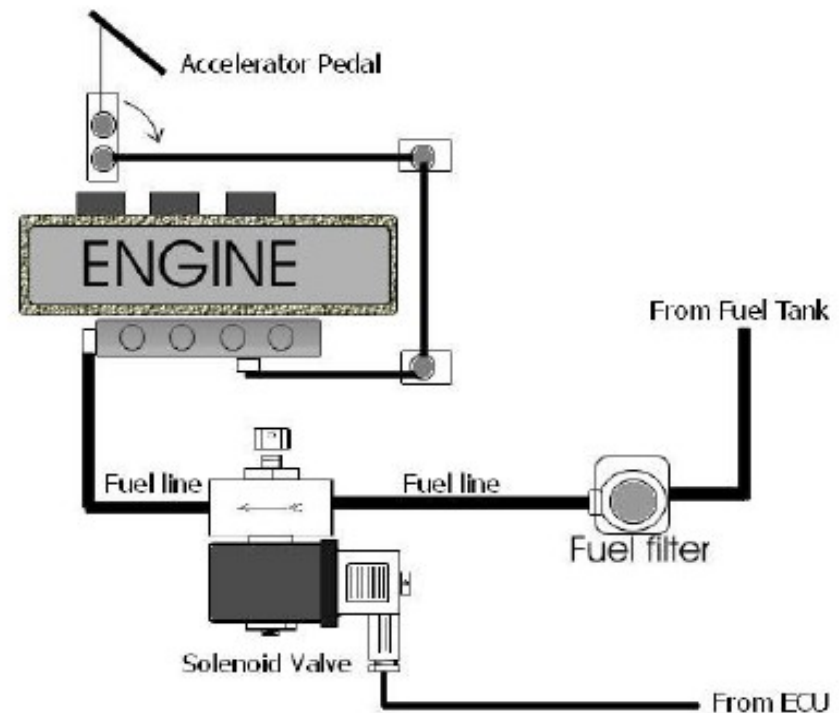
[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Direct fuel flow control system

ECU controls the solenoid valve and adjusts the fuel flow towards the engine to limit the speed below the set value.

A specially designed fuel by-pass ensures the limiting process to be smooth and precise.



Normal speed meets every need...

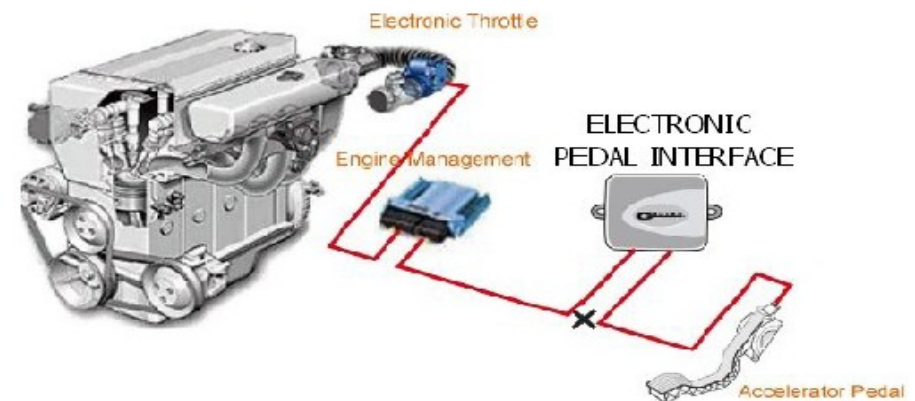
[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Electronic pedal interface

Electronic pedal interface reads the pedal voltage and adjust the values before sending to engine ECM if vehicle speed is exceeding the set value.

Electronic pedal interface is Connected in between accelerator pedal and engine ECM.



Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Direct fuel flow control system

- Electronic Control Unit
- Programming device
- Speed Sensor
- Fuel Control Valve



Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Electronic pedal interface

- Electronic Control Unit
- Programming device



Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Advantages of Speed-Eye

1. Precise control of vehicle speed using latest intelligent micro controller system.
2. Smooth, Jerk free control action.
3. Long life
4. Very less maintenance cost required.
5. Easy to Install.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



- Designed and developed as per AIS 018, GSO and EEC 92/24
- Is suitable for a wide range of vehicles.
- Tested for continuous running of more than 2 lakh cycles.
- Tested and proved successful under very severe and harsh environmental conditions like, vibration & impact resistance weathering humidity
- Ideal for all climatic conditions.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment



## Technical Specifications

- Operating Voltage : 08 V to 32V DC.
- Operating Current : 1Amps max.
- Operating Temperature : -20°C to 120°C

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Salient Features

- Indigenous microprocessor controlled design.
- Low EMI generation and High EM immunity.
- Constant monitoring and governing of speed.
- Provision for checking set speed limit at any time.
- Easy installation.
- Smooth and accurate operation.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Benefits to Fleet Owners

- Improves fuel economy of the vehicles.
- Increases Engine life.
- Reduces Operating & Maintenance cost.
- Prevents speeding fines.
- Competitive Pricing of the product.

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment

## Benefits to Drivers

- Reduced stress & fatigue while driving the vehicle.
- Better control over vehicle speed.
- Increases drivers comfort.

and  
a

**SAFER DRIVE.....**

Normal speed meets every need...

[www.thinture.com](http://www.thinture.com)

Saves Life | Saves Vehicle | Saves Environment