

# Clear advantages for all users.

Harness the benefits of our Pedal Interface II:

- \_ Greater driver safety due to lower risk of accidents thanks to speed limitation
- \_ Reduced running costs due to better fuel economy and lower maintenance requirements
- \_ Increased comfort due to convenient cruise control function
- \_ Low installation costs due to special configuration of Pedal Interface II
- \_ Straightforward retrofitting – no need to adjust standard engine management software or hardware <sup>2</sup>
- \_ Flexible deployment options thanks to custom programmability

<sup>2</sup> Trained and authorised personnel only may perform these tasks.

Functions	Standard	Enhanced	Premium
<b>Tempostat® cruise control</b> Flexible speed limitation and speed selection	●	●	●
<b>Variable road speed limiter</b> Custom setting of max. speed between 30 and 200 km/h	●	●	●
<b>Road speed limiter</b> Define maximum top speed		●	●
<b>Additional road speed limiter</b> Program up to 7 additional speed limitations on control unit <sup>3</sup>		●	●
<b>Engine-speed limit</b> Define a maximum top engine-speed		●	●
<b>Fixed engine-speed control facility</b> Program up to 7 additional engine-speed limitations on control unit <sup>3</sup>			●
<b>Variable engine-speed control facility</b> Custom engine-speed options via remote control handset up to a defined max. engine speed			●
<b>Fuel limitations</b> Program up to 7 fuel limits via the status inputs <sup>3</sup>			●

<sup>3</sup> A maximum of 7 limits may be set in total.

Technical specifications	Accessories
<b>Control unit</b>	<b>Remote control handset for external engine-speed regulation</b>
General	Inverse polarity and overload protection
Nominal voltage	12 V and 24 V
Operating voltage	8 V to 32 V
Operating temperature	-40°C to +85°C (in acc. with IEC 68-2-38)
Protection class	IP 44 (must be installed inside vehicle)
Vibration and temperature tests	IEC 68-2-36, IEC 68-2-14
Standards	Approved in accordance with EU Directives 95/54 (EMC) and 92/24 (speed limitation)
Diagnostics	RS 232 interface for diagnostics
Inputs and outputs	33
Configuration and test tool	Via dongle with USB interface

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The information provided in this brochure contains only general descriptions or performance characteristics, which do not always apply as described in case of actual use or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. We reserve the right to make changes in availability as well as technical changes without prior notice.

With this address only available as an electronic document. | 02.2010 | Continental Trading GmbH

# Pedal Interface II

## The easy, flexible way to manage engine performance



www.vdo.com

# Mobility shapes our life – moving ahead is our passion

Our passion for mobility helps us attain new goals, make progress, and push back boundaries. Mobility is freedom – and for us, as a worldwide supplier of mobile technology, it is both our vision and our fascination. Enthusiasm for state-of-the-art vehicles and technological possibilities unites our employees across geographic and linguistic boundaries.



## Flexible solutions for growing demands.

On today's roads there are many compelling reasons to enhance vehicles and optimise engine management. These include the rising volume of traffic, higher accident rates (particularly for light commercial vehicles) and greater pressure on both drivers and vehicles, as well as environmental concerns, tougher competition and new legislation. However, it's also vital to find inexpensive yet effective ways of meeting these changing requirements.

Our customised solutions handle sophisticated technical tasks while fulfilling customer requirements and offering maximum ease of operation. Special modules and components such as Pedal Interface II help meet these increasing demands in terms of safety, protecting the environment and cost-effectiveness. For many years now we have been a reliable partner in the field of vehicle electronics for manufacturers, workshops and end customers alike.

### § New legislation

#### EU Directive 92/6/EEC

Since January 1994, all goods-carrying vehicles above 12 tonnes – and all passenger-carrying vehicles above 10 tonnes – have required a speed-limitation device as standard. Since January 1995 aftermarket fitment has been mandatory for older vehicles.

#### Tightening the rules:

From January 2005, a similar rule will come into force for manufacturers of all commercial vehicles above 3.5 tonnes and all passenger vehicles with more than eight seats (in addition to the driver's). From January 2006 there will be a general requirement to fit all the vehicle types mentioned above with a suitable speed-limitation device.

#### Mandatory max. speed limitation:

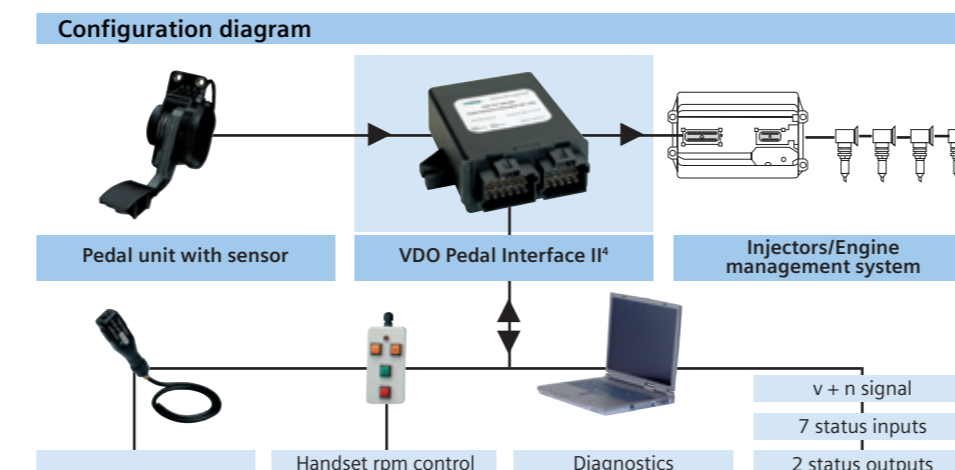
Commercial vehicles <sup>1</sup> above 3.5 t:	90 km/h
Passenger vehicles with more than 8 passenger seats:	100 km/h

<sup>1</sup> Applies to vehicles with diesel- and gas engines (88/77/EEC) registered between 1 January 2001 and 31 December 2004.

## Functionality and easy retrofitting.

Road speed limiters and electronic pedal units have been used on the road and on specialist vehicles for more than 20 years. Our Pedal Interface II consists of an electronic control unit which installs between the pedal sensor and the engine management system and can be custom programmed. An optional wired remote control handset allows engine speed to be managed externally, depending on the version. According to how the system is program-

med or set, in this way the setting signals are easy to manage effectively, and fixed additional functions may also be activated. The special configuration of our Pedal Interface II makes it unnecessary to adjust the hardware and software associated with standard engine management. This makes Pedal Interface II suitable for use on all types of vehicle. It can also be configured by authorised personnel to meet the needs of a wide range of applications.



\* May only be installed in vehicles which have been previously checked and approved by Continental Trading GmbH.

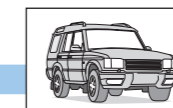
## High performing and versatile.

Our Pedal Interface II is the simple, cost-effective way to control electronically managed engines and is available in three versions: STANDARD, ENHANCED and PREMIUM. These are tailored to various requirements and are extremely user friendly. The range of applications extends from variable road speed limitation including Tempostat® cruise control to engine-speed limit and variable engine-speed control. Our solution

provides you with exceptional ease of use, maximum efficiency and low retrofit costs come as standard. The overview below shows three typical applications for the different versions of Pedal Interface II.

#### Versions

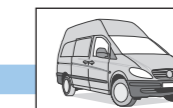
##### Standard



Tempostat® cruise control

Our Pedal Interface II STANDARD allows the driver to set a constant speed depending on traffic and road conditions. It is also possible to vary the speed-limitation setting.

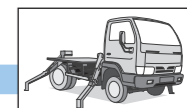
##### Enhanced



Road speed limiter  
Tempostat® cruise control

The ENHANCED version of our Pedal Interface II offers the same functions as the STANDARD version, plus the option of limiting the vehicle's maximum speed.

##### Premium



Engine-speed regulation  
Engine-speed control facility  
Road speed limiter  
Tempostat® cruise control

The full version, our Pedal Interface II PREMIUM, allows all aspects of engine performance to be managed according to individual requirements. Alongside the features of the STANDARD and ENHANCED versions, it is also possible to customise engine-speed regulation.