

VD-101 Vehicle Detector

The **VD-101 Vehicle Detector** is a unique solution for outdoor vehicle traffic check.

Frequently occurring outdoor safety task is the defense of sites of natural sources, storage premises of agriculture or other assets. The **VD-101 Vehicle Detector** is an easily installable and programmable device, which can be installed near the road to be checked. When a vehicle passes by, the device issues a signal depending on its version: starts a voice call or a SMS with previously recorded content via GSM network, or broadcasts a radiowave message. (See the **VERSIONS** box.)

Detection range depends on the dimensions of the vehicle. Greater vehicles can be sensed from longer distance. Two detection ranges can be set: 2 m and 4 m.



VERSIONS

Type	Signal Source
VD-101-G	GSM phone
VD-101-I	ISM radio
VD-101-GI	GSM phone and ISM radio
VD-101-CID	Contact ID (on GSM network)
VD-101-URH	URH band two way radio

The **VD-101-I** is a version with an ISM range radio frequency version for 30 – 100 m range application. It does not require subscription for service, the device itself is more affordable. This version is recommended for the defense of family houses and sites where personal presence is available nearby.

The **VD-101-GI**, is a version with both GSM phone and both ISM radio. It is capable for differentiation the „friendly“ vehicles equipped with an ISM transmitter. When a „friendly“ vehicle passes by, the column does not starts the GSM call. With a GI and an I version column it is possible that only vehicles approaching from the GI column trigger GSM activity. (The detection is direction-sensitive.)

The **VD-101-CID** version is recommended for field security services using landline phone based alarm system. The device communicates with the Contact ID protocol generally used in alarm systems.

The **VD-101-URH** version is recommended for field security services using URH monitoring receivers. The device communicates with the Contact ID protocol generally used in alarm systems.

The weather does not affect the operation of the **VD-101 Vehicle detector** at all. It works in rain, snow, day and night with the same reliability like among optimal conditions. Electric power network is not needed, the device has a built-in accumulator. Its painting provides effective camouflage, the device may be installed in wood or bush like environments. It may be placed simply onto the ground, but its concrete base may be dug when necessary.

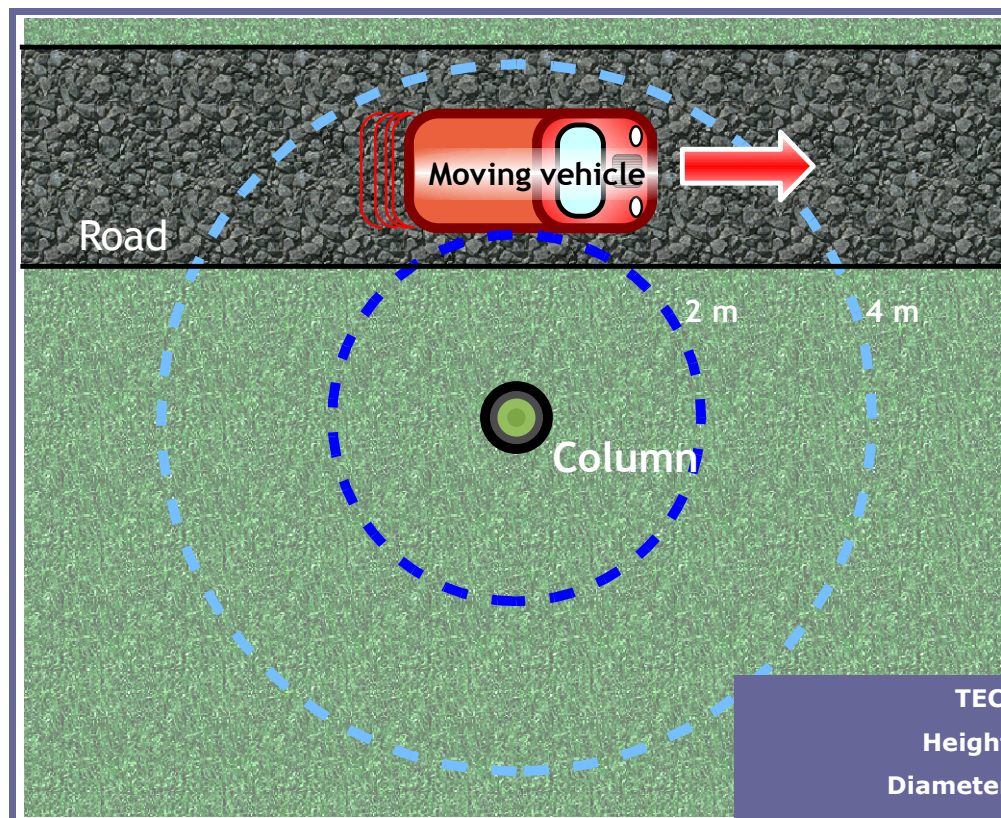
The **VD-101 Vehicle detector** does not need either supervision or maintenance but the change of the accumulator. It is designed to make the installation fast and the setup easy. Programming may be performed at the workshop by a PC or even at the field by a cellphone. The device can be set to „Measure“ mode to check the proper operation and sensitivity.

We deliver the product with various camouflage paintings or without according to the order. The SIM card for the GSM module is to be provided by the user.

We adapt the product for special installation in case of proper order quantity.

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Operation



Your Dealer:

The **VD-101** vehicle detector senses **moving ferromagnetic objects**. The bigger the object the more sensitive is the detection. Similarly, the velocity counts as well: fast moving objects trigger alarm easier and/or from greater distance. The device does not detect stationary vehicles, if present within the detection area, these do not disturb the operation.

The column may be camouflaged as needed. Only non magnetizing materials (paper, wood, textile) are to be used for camouflage.

If the column is installed close to objects generating magnetic field (transformers, cellphone relay stations, high voltage cables etc.), the reliability of the detection will decrease.

It is necessary to check the availability of the previously selected service provider when installing GSM version column. The device does not contain SIM-card, this is provided by the user.

TECHNICAL DATA

Height:	1 m
Diameter:	12,5 cm
Installed Weight:	approx. 20 kg
Detection distance: (for cars)	max. 2 m or max. 4 m (may be set)
Response time:	1 s (ISM version) 5 s (URH version) approx. 1 min (GSM-es version)
Accumulator:	12 V, 7 or 9 Ah (closed, maintenance-free, with gel)
Operating temperature range:	-20 °C – +60 °C
Average life span:	max. 3 months (depends on alarm frequency)
Alarm:	by voice call, by SMS, or by radiowave signal
Discharge signal:	by SMS (GSM version)
Tamper signal:	by voice call, by SMS, or by radiowave signal
GSM module:	provider-independent
Alarmed numbers:	2
Range of radiowave alarm:	30 – 100 m (depend on environment)
Storage temperature range:	-25 °C – +70 °C