

# PROIZVOD: PAD-132

DETEKTOR (KONTROLER) 1Ch ZA INDUKTIVNE PETLJE I OSTALO POTREBNO



PAD-132 (1Ch)  
DETEKTOR (KONTROLER) 1Ch ZA  
INDUKTIVNE PETLJE



SILIKONSKI KABL  
ZA PETLJE 1 x 1.5mm<sup>2</sup>; Polaže  
se u prosečen asfalt (beton).



BLACK SEAL  
MASA ZA ZAPTIVANJE ASFALTA  
Nakon polaganja kablova u isti

## NIŽE U ORIGINALU

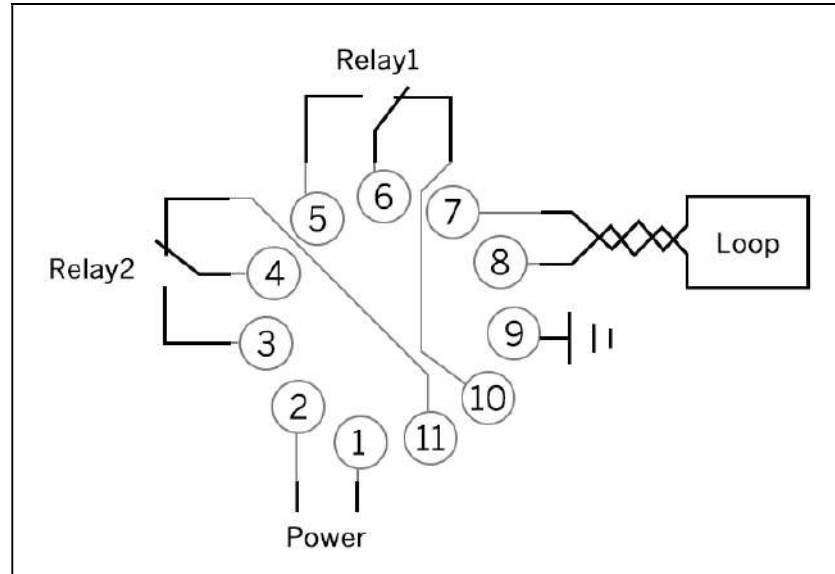
### PAD-132

Inductive Vehicle Single Loop Detector

#### Install Detector

The detector must be installed in a convenient weatherproof location as close to the loop as possible. Installation location must choose to stay away from the heat source, it around other devices must maintain a distance of at least 10mm (mustn't fix cling to the cabinet). A correct loop configuration and detector installation will ensure a successful inductive loop detection system. Loop of several important parameters include: loop figure, size, and turns, install methods (details as "Loop installation guide").

|                        |  |
|------------------------|--|
| Supply voltage         | 230V AC, 115V AC, 24V DC/AC, 12V DC/AC (See the label on the detector)     |
| Voltage tolerance AC   | +10%/-15%  |
| Voltage tolerance DC   | ±15%   |
| Power Consumption      | 4.5VA  |
| Output relays          | 240V/5A  |
| Operating temperature  | -20°C ~ 65°C   |
| Storage temperature    | -40°C ~ 85°C   |
| Frequency range        | 20 KHz ~ 170 KHz   |
| Reaction time          | 10ms   |
| Signal holding time    | Unlimited / limited when loop is permanently covered 10 minutes            |
| Sensitivity            | Adjustable in 4 increments   |
| Loop inductance        | Total loop plus connection wiring: 50µH to 1000µH. Ideal is 100µH to 300µH |
| Loop connection wiring | Maximum length 20 meters, twisted at least 20 times per meter              |
| Size of Housing        | L78 x W40 x H108mm   |



### Operation and Indication

While the detector is tuning, the green Channel LED and red Power LED will be turn on. It remain about 2 seconds, then the green LED turn off. If a loop fault exists the Channel LED will come on and flash indicating a fault. If the fault is self-healing the detector will continue to operate. The green channel LED will also glow whenever a vehicle is detected passing over the inductive loop. The red Power LED at the top of the unit will remain on to indicate that the unit is powered.

### Frequency

To eliminate interference of two neighboring wire loops or loop detectors, the frequency can be altered.

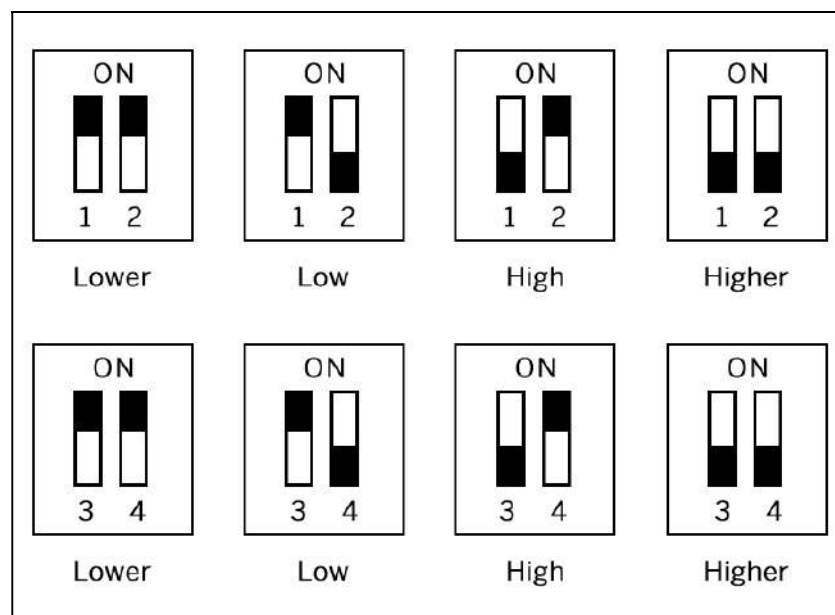
### Sensitivity

The sensitivity of the detector allows the detector to be selective as to the change of inductance necessary to produce an output. There are four sensitivity selections and are set as follows by DIP3 and DIP4 Switch.

### Automatic Sensitivity Boost

Automatic sensitivity boost is selected by DIP5 switch on the front of the enclosure and is set as follows: OFF - Disabled, ON - Enabled.

Automatic sensitivity boost causes the sensitivity to be boosted to a maximum on detection on the vehicle, and maintained at this level during the presence of the vehicle over the loop. When the vehicle departs the loop and detection is lost the sensitivity reverts to the pre-selected level.




  
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**Filter**

To eliminate interference of the bad environment, the filter mode is activated by setting the DIP6 Switch to "ON" site. In this mode, the reaction time of the detector is delayed, and the sensitivity is reduced. Usually, the filter mode is disabled by setting the DIP6 Switch to "OFF" site.

【Attention】 If the detector isn't working normally, you must check the loop and wiring at first, and then alter the frequency or the sensitivity. At last, try to set it to filter mode.

**Output Relay**

If DIP7 is "OFF" site, when a vehicle is detected passing over the inductive loop, the relay1 and relay2 are energized; When the vehicle is detected departing the loop, the relay1 and relay2 are de-energized. If DIP7 is "ON" site, when a vehicle is detected passing over the loop, the relay2 is energized; When the vehicle is detected departing the loop, relay2 is de-energized, and delay 500ms, the relay1 is energized for 500ms.

**Presence Time**

The presence time may be set to permanent presence or to limited presence. In permanent presence mode the detector will continuously compensate for all environmental changes whilst there is a vehicle present over the loop, the presence mode is set with DIP8 Switch and is configured as follows: OFF: Limited Presence ( 10 minutes), ON: Permanent Presence

**Reset Switch**

The detector automatically tunes to the inductive loop connected to it when the power is applied, whether on initial installation or after any break in power supply. Should it be necessary to retune the detector, as may be required after changing any of the switches or after moving the detector from one installation to another, momentary operation of the RESET switch will initiate the automatic tuning cycle.

**ALTERNATIVE INDUKTIVNIM PETLJAMA****PRAVE – NE DETEKTUJU LJUDE, NEMA PROSECANJA SAOBRAĆAJNICE**

- CARDET-301 ( <http://www.aspekt.rs/SRBAccessVE.html> )
- CARDET-101 ( <http://www.aspekt.rs/SRBAccessVE.html> )

**PODESIVE, MOGU DA SE PODESE DA DETEKTUJU I LJUDE NEMA PROSECANJA SAOBRAĆAJNICE**

- ALZR-H100 ( <http://www.aspekt.rs/SRBAccessVE.html> )

**DOBRE ALTERNATIVE, ALI DETEKTUJU I LJUDE, U ZONI DO 1.5m, NEMA PROSECANJA SAOBRAĆAJNICE**

- IDAL-VBR10 ( <http://www.aspekt.rs/SRBAccessVE.html> )
- IDAL-VBR20 ( <http://www.aspekt.rs/SRBAccessVE.html> )

**KRAJ**

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