



Slovak  
**Parking**  
Organisation  
Technology

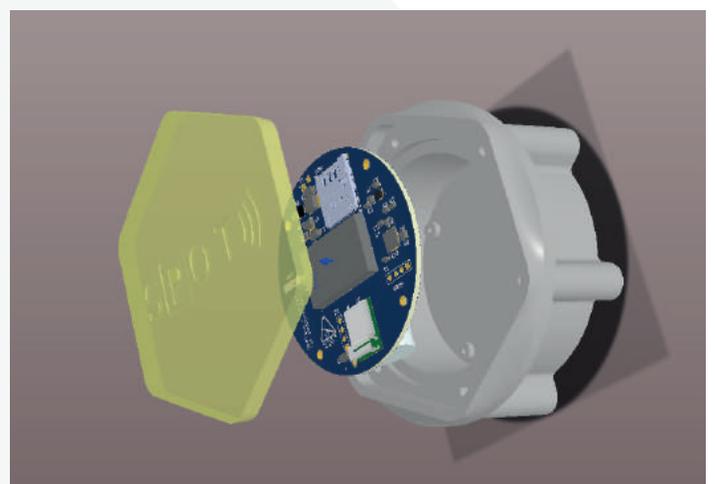
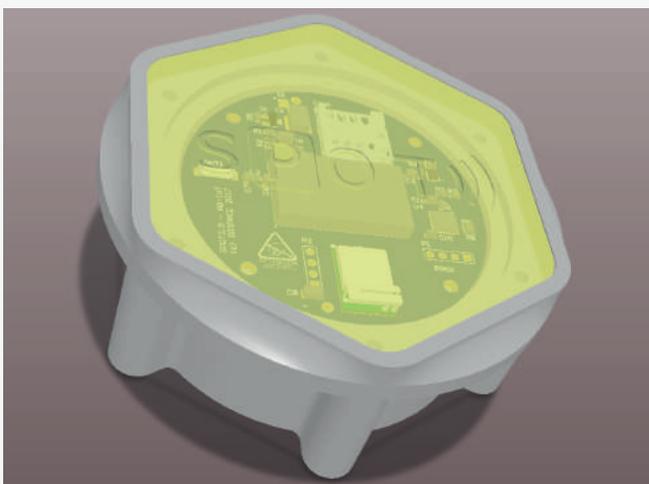
**S P O T** )))

# #DETECTOR - TECHNICAL SPECIFICATION



SPOT is a technology platform that uses data transmission via IoT networks to solve parking difficulties. It consists of #Detector (vehicle detector) that reliably tracks parking occupancy in particular slots, #Permit card that validates parking through a cloud-based server application. See below a technical specification of the #Detector.

|                       |  |
|-----------------------|--|
| Detection method      | 3-axis magnetic field                    |
| Weight                | 188 g                                    |
| Dimensions            | Φ 90 mm/ ↓ 30 mm                         |
| Casing                | Black (ultrasonic welded into one piece) |
| Ingress protection    | IP68                                     |
| Operating temperature | -40 to +75 °C                            |
| Power                 | Lithium battery                          |
| Battery life          | Depends on parking frequency             |
| Network               | LoRaWAN™, SigFox, NB-IoT, BLE            |
| Detection performance | 99 %                                     |
| Warranty              | 1 years                                  |
| Detectors control     | Via server application                   |



# ADVANTAGES

There are at least 10 noticeable reasons:

- **#1 - High detection success rates**

The science behind magnetic sensing is complex but we have managed it. We have developed a unique corrective algorithm, which makes magnetic detection very reliable (more than 99 % correct detections). This set us apart from our competitors.

- **#3 - Long lasting battery life**

The battery life is predicted to last for 5 - 8 years (depending on parking frequency). We provide service and battery replacement for older #Detectors. The #Detector can be also remotely and temporarily switched off when not in use.

- **#5 - Versatility of communication modules**

We are completely flexible when it comes to the type of communication module. The customer can choose the module as needed. We are ready to deliver #Detectors with communication module for LoRa, Sigfox and NB-IoT.

- **#7 - Very competitive price**

We focus on technology. We are looking for sales and business partners for whom we have prepared a special motivating price. Because we are a Slovak based company we have also very special pricing for Slovak cities.

- **#9 - Three easy steps for installation**

One, two, three. Easy as that, thanks to our dedicated mobile application for installations. IoT registration, Installation of mapping and Initial configuration and calibration is needed, and your #Detectors are online.

- **#2 - Short lead times**

We are ready to deliver #Detectors in large numbers thanks to our pre-ordered modules needed for mass production. We are able to deliver in large orders in 20 days or less. We also have prepared samples for initial testing which are ready to go.

- **#4 - Extreme resistant housing**

The #Detector case is designed to withstand extremely difficult environmental conditions. It meets the IP68 standard; it is ultrasonically welded into one piece and all electronic components are perfectly secured.

- **#6 - Maintenance and further development**

Our onboard bootloader enables firmware updates of the #Detectors. Therefore we can provide further innovations and completely new features that will become available even after the contract is set. For instance a parking authorization feature.

- **#8 - Eco friendly solution**

All electronics within the #Detector are reusable even the casing. It make the technology cheaper and affordable for our clients. We also want to protect the environment against e-waste.

- **#10 - Easy management via server application**

An application manages the #Detectors, their deployments and provides basic data on the status of electronics. It also provides info about parking the current parking situation which can be embedded.



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