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Parked Vehicle Detection Sensors

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Parked Vehicle Detection Sensors

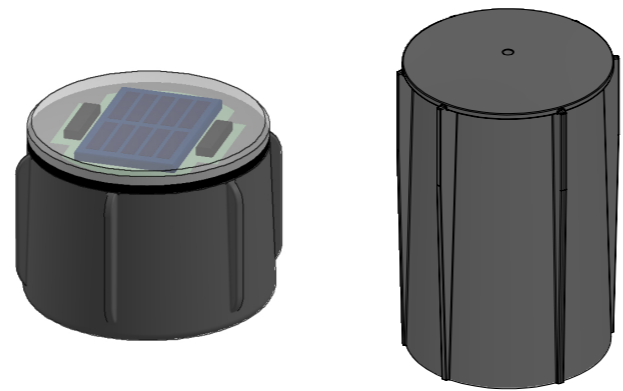
Electrical specifications

Solar powered form factor		Battery powered form factor	
Name	Magnetic and IR	Name	Magnetic and IR
Detection	0...900 mm / 0...35.4 in	Detection	0...900 mm / 0...35.4 in
Detection height	-35...+80 °C / -31...+112 °F	Detection height	-35...+80 °C / -31...+112 °F
Operating temperature	40 years*	Operating temperature	5-8 years*
Expected lifetime	(BLE) Bluetooth 4.2 (LORA) LoRa WAN (NB) NB-IoT**	Expected lifetime	(BLE) Bluetooth 4.2 (LORA) LoRa WAN (NB) NB-IoT**
Wireless protocols	(QR) Unique QR code (BLE) Bluetooth enabled	Wireless protocols	(QR) Unique QR code (BLE) Bluetooth enabled
Provisioning	01-01-PVDS-SP-BLE-QR 01-02-PVDS-SP-LORA-EU-QR 01-03-PVDS-SP-LORA-EU-BLE 01-04-PVDS-SP-LORA-US-QR 01-05-PVDS-SP-LORA-US-BLE 01-06-PVDS-SP-NB-QR** 01-07-PVDS-SP-NB-BLE**	Provisioning	02-01-PVDS-BP-BLE-QR 02-02-PVDS-BP-LORA-EU-QR 02-03-PVDS-BP-LORA-EU-BLE 02-04-PVDS-BP-LORA-US-QR 02-05-PVDS-BP-LORA-US-BLE 02-06-PVDS-BP-NB-QR** 02-07-PVDS-BP-NB-BLE**
Part numbers		Part numbers	

*under average circumstances, an average of 5-8 messages a day, using LoRa WAN communication.
** NB-IoT versions will be available Q1 2018

Key features

- Can be ordered in multiple wireless protocols configurations
- Custom API development for easy in integration in existing installations
- Different provisioning possibilities
- Long life Battery or Solar powered
- Dual detection technology
- Easy installation
- Installed flush / snow plough resistant

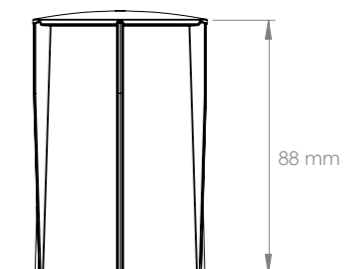
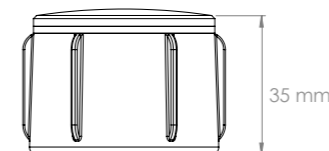
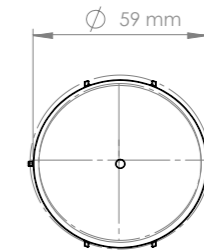
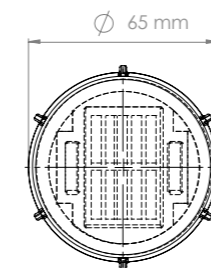


Solar powered form factor
Part no: 01-XX-PVDS-SP-XX-XX

Battery powered form factor
Part no: 02-XX-PVDS-BP-XX-XX

Mechanical specifications

Solar powered form factor		Battery powered form factor	
Name	IP 68, potted electronics	Name	IP 68, potted electronics
IP protection	Default black with transparent top	IP protection	Default black
Color	Mounted flush with road surface	Color	Mounted flush with road surface
Mounting	Heavy traffic	Mounting	Heavy traffic
Load capacity		Load capacity	



TWTG Parked Vehicle Detection Sensors are designed for the accurate detection of parked cars or trucks. We offer them in a range of different wireless protocols and custom API's to make sure they will fit all situations.

Wireless protocols

We offer the sensors with different wireless options. Make your pick from Bluetooth Low Energy, LoRa WAN or Narrow Band IoT (NB-IoT) networks. Next to this we offer different provisioning methods. By default we offer a unique QR code on the bottom of each sensor node. These can be scanned at

installation to log the final location.

Alternatively we can add Bluetooth Low Energy for active provision with a transfer of an encryption key.

Different power options

The sensor comes in two form factors. A more conventional battery powered one. Designed for offsite unmanaged locations. These work in all situations and environments.

For larger installations or managed locations we offer a solar powered device that will harvest enough energy from under a car. This will give the sensor a unbeatable lifetime of 40 years* !

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