# SCYLLA-2

## Single Point Vehicle Crossing Detector with Output Relay

SCYLLA-2 vehicle crossing detector can be used in different civil and military applications for vehicle traffic detection and area surveillance. It is buried into the ground near the area of interest and designed to detect and measure traffic presence, volume and occupancy on the road or at an entrance to an area or building, and allows to take the necessary action. The detector does not react to nearby humans or animals.

SCYLLA-2 has a relay, FET or current loop output that can be used to trigger a pre-determined action to approaching or departing vehicles, such as set off a light or sound signal, open or close gates or doors, switch traffic and street lights on and off, etc.

If equipped with an additional module, SCYLLA-2 vehicle detector can send SMS notifications to up to 4 different users, alerting them of the location where a sensor was activated.

SCYLLA-2 is rated IP67 under the international IEC 60529 standard.

**SCYLLA-2 Features and Benefits**

- Rod type sensor
- Counts crossing vehicles
- Output relay, FET or current loop to trigger an action upon a crossing vehicle
- Optional module for SMS for up to 4 people
- Does not react to nearby humans or animals

| Parameter | Units | Value |
|---|---|---|
| Sensor type | | Rod |
| Detected vehicle weight | t | 0.8 |
| Detected vehicle minimum speed | km/h | 10 |
| Output | Relay | NC and NO contacts (SPDT)<br>2 A, 30 VDC; 0.4 A, 125 VAC<br>Max. switched voltage 250 VAC, 220 VDC<br>Max. switched current 3 A and power 50 VA |
| | FET | 2 pcs. of Open Drain FETs, independently programmable, 24 VDC, 1.6 A |
| | Current loop | Based on supply current change<br>Needs current monitoring unit at the cable receiver |
| Supply | Internal | 3.6 V Li-battery LiSOCl2 type LS14500 (2250 mAh) AA |
| | External | 3 - 24 VDC, 100 mA, separately or from Electronic Access Control System |
| Continuous operating time | | With 3.6 V Li-battery at idle up to 4 years |
| Operating temperature | °C | -40 to +60 |
| Dimensions | cm | Ø2.2 x 15 |
| Protection level | | IP67 |