



## Magnetic field sensor

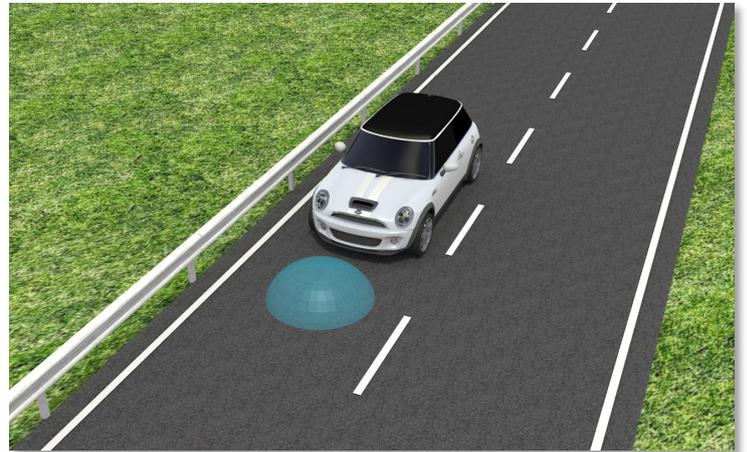


### MAG-01

**MAG-01** is a sensor that detects, on three axes, the variation of the Earth's magnetic field using the "magnetoresistive" technology. It has been developed for the detection of both stationary and moving vehicles and can therefore be used in different applications. **MAG-01** is the replacement of the electromagnetic loop in terms of detection capacity, but has the advantage of having a simpler installation, a deeper positioning and does not require a control card.

**MAG-01** provides a signal on the output as long as a vehicle is detected. The sensor detection area can be changed using the sensitivity parameter. The **MAG-01S** version is also equipped with an RS485 line which supplies detailed information on the level of the magnetic signal detected.

The sensor is small and has a box that allows you to install it underground.



### ACCESSORIES

**MAG-01** can be integrated with a control board (**MAG-CON**) that converts the digital signal of the sensor into a relay contact.

### APPLICATIONS

- Detection and counting of moving vehicles
- Detection of stationary vehicles
- Vehicle detection at barriers
- Detection of vehicles in parking lots

Number of axes	3
Detection limit	+/- 8 gauss
Sensibility	4 levels
Detection distance	Max. 150 cm
Power supply	10—14 Vdc
Power consumption	35mA
Exit	Digital output NPN
Communication line	MAG01S: RS485
Temperature range	-30°C +60°C