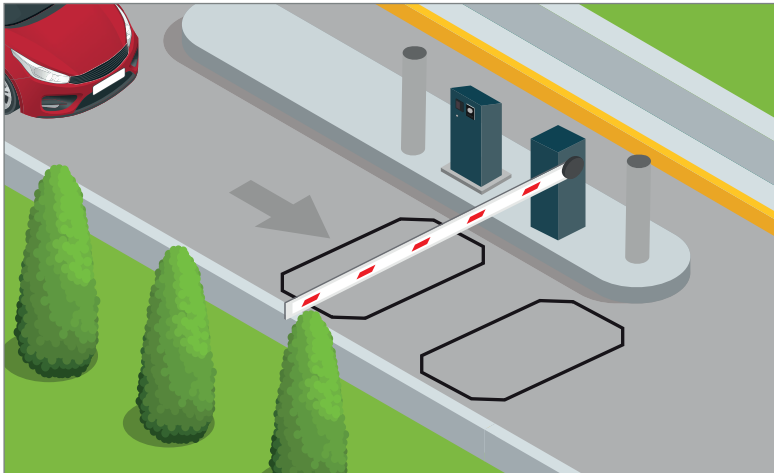


BARRIER OPTIONS

Vehicle detection · Loop detection

- The Alphasatronics vehicle detector is an inductive loop detector that detects the presence of vehicles and metallic objects. It is mainly used in the sector of industrial gates, barriers, sliding gates, ...
- The Alphasatronics vehicle detector was designed and developed to ensure stable detection.

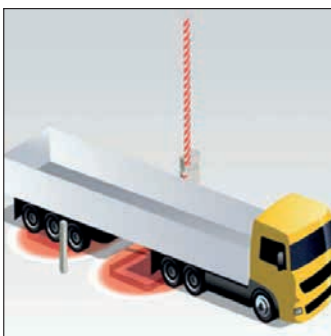


Achievements:

- Precise adjustment of the detection parameters to ensure a continuously stable result
- 4 frequency options to avoid interference
- The ASB* function increases the sensitivity for better detection of vehicles with raised ground, drawbar or forklift forks
- Possibility to determine the direction of movement to be detected thanks to the 2 channel version

* ASB - Automatic Sensitivity Boost

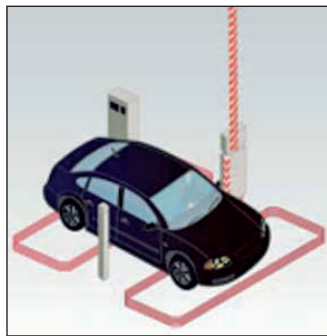
Applications:



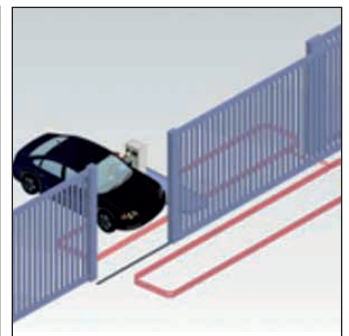
ASB:
Automatic Sensitivity Boost



Forklift applications



Barriers applications



Sliding gates applications



Easy to install:

- Thanks to its standard connection, the Alphasatronics vehicle detector fits easily into most control boxes.
- Available with one or two channels in each of the following power supply configurations: 24VDC or 230V

| Technical specifications | |
|--|--|
| Frequency control | Automatic |
| Presence interval | From 1 minute to infinite (continuous presence) in 250 steps |
| Impulse duration | 100 or 500ms |
| Automatic adjustment range | From 20 to 1000mH |
| Frequency range | From 20 to 130Hz |
| Frequency levels | 1 channel: 4 / 2 channels: 2 (per channel) |
| Sensitivity ($\Delta L/L$) | From 0,005% to 0,5% en 250 pas |
| Response time | 1 canal: 25ms / 2 canaux : 50ms par canal |
| Setup time on power up | Maximum 8 seconds per channel |
| Power | 230Vac $\pm 10\%$ |
| Net frequency | From 48 to 62Hz |
| Consumption | 2,5W |
| Temperature | From -30°C to +70°C |
| Protection level | IP 40 |
| Output | 2 relay outputs (potential-free reversible contact) - maximum contact voltage: 230 VAC - maximum contact current: 5A (resistive) |
| LED signals | - 1 green LED: power on - 1 red LED: status channel 1 - 1 red LED: status channel 2 |
| Connection | Standard round connector with 11 pins type 86 CP 11 |
| Dimensions (HxWxD) | 77 x 40 x 75 mm |
| Weight | < 200 g |
| Immunity | Electromagnetic compatibility according to 2004 / 108 / EC |
| Uniformity | UL |
| Single inductor loop detector 24 Vac (Smart-One) | 4-080199-0016-000 |
| Single inductor loop detector 230 Vac | 4-080199-0014-000 |
| Double inductor loop detector 24 Vac (Smart-One) | 4-080199-0017-000 |
| Double inductor loop detector 230 Vac | 4-080199-0013-000 |
| Base | 4-060204-0004-000 |

LOOP DETECTION

| | | |
|---|------------------|-------------------|
|  | 2.000 x 500 mm | 4-080199-0007-000 |
| | 2.000 x 1.000 mm | 4-080199-0008-000 |
| | 3.000 x 3.000 mm | 4-080199-0009-000 |
| | 5.000 x 3.000 mm | 4-080199-0010-000 |