

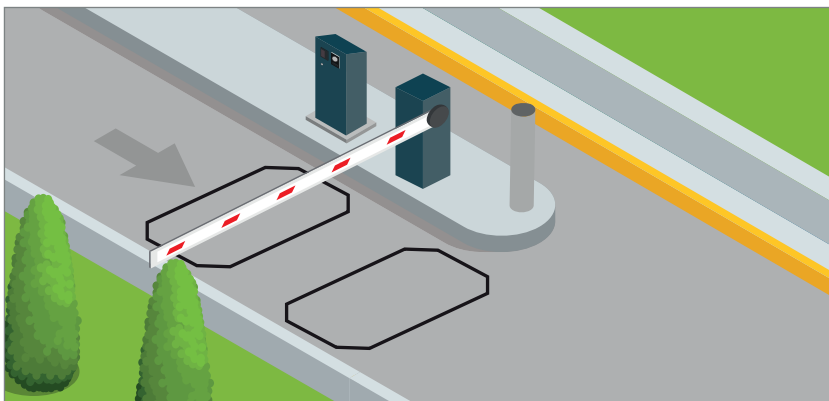
Barrier options

Vehicle detection • Loop detection

- The Alphatronics 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 Alphatronics vehicle detector was designed and developed to ensure stable detection.

References:

- Single inductor loop detector 230 Vac: 4-080199-0014-000
- Double inductor loop detector 230 Vac: 4-080199-0013-000
- Base: 4-060204-0004-000

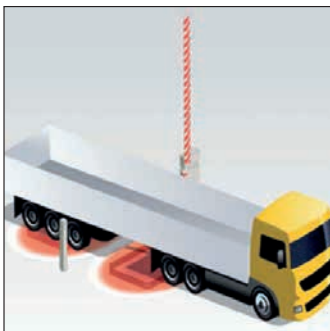


Achievements:

- 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

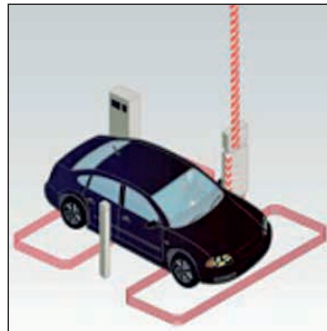
Applications:



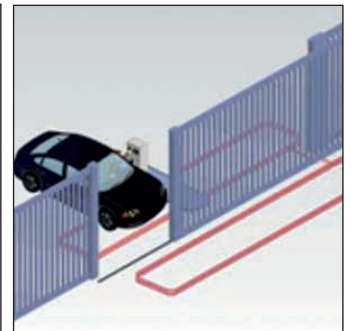
ASB: Automatic Sensitivity Boost



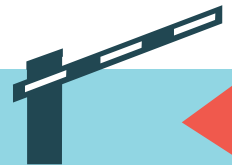
Forklift applications



Barriers applications



Sliding gates applications




Easy to install:

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

Technical specifications

Frequency control	Automatic
Presence interval	From 1 minute to infinite (continuous presence) in 250 steps
Impulse duration	100 or 500 ms
Automatic adjustment range	From 20 to 1000 mH
Frequency range	From 20 to 130 KHz
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: 25 ms / 2 canaux : 50 ms par canal
Setup time on power up	Maximum 8 seconds per channel
Power	230 Vac $\pm 10\%$
Net frequency	From 48 to 62 Hz
Consumption	2,5 W
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

► 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