



ProLoop Lite

Loop detector for industrial gates, barrier systems and car park systems

Intelligent, simple, compact

- Numerous potential applications
- Maintenance-free, so high operational reliability
- Very short commissioning time thanks to simple programming
- Easier operation thanks to the LCD display

ProLoop Lite

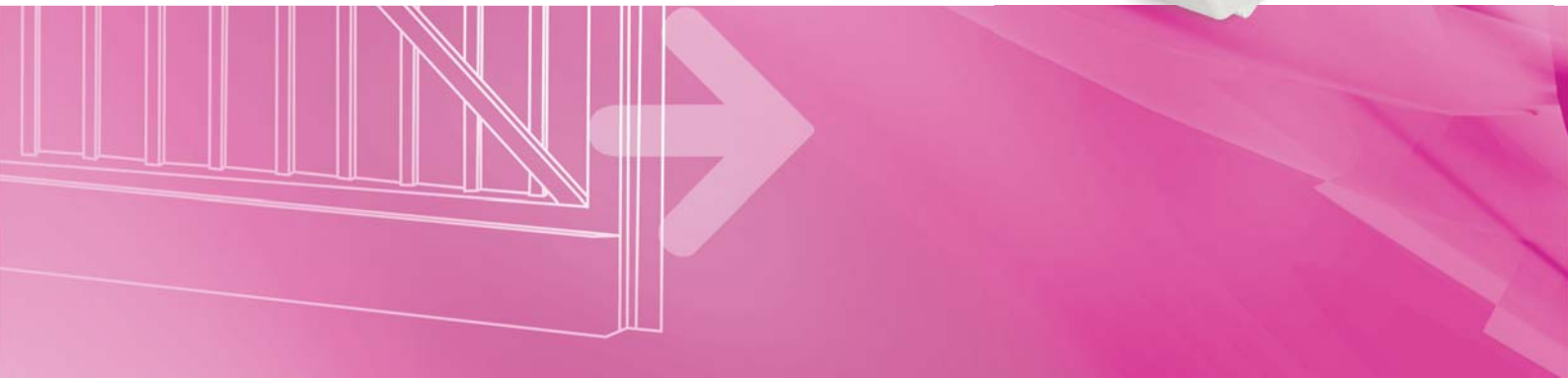
Loop detector for gates, industrial barrier systems and car park systems

Detection with a system

With ProLoop Lite, every loop detection is absolutely reliable. ProLoop Lite monitors and evaluates induction loops installed in the ground and detects all types of metallic vehicles: Bicycles, cars, fork-lift trucks, trucks and tractor/trailer combinations with drawbar are accurately detected. The easy-to-understand operating and display concept makes ProLoop Lite particularly user-friendly. Loop and detector are electrically isolated for maximum reliability.

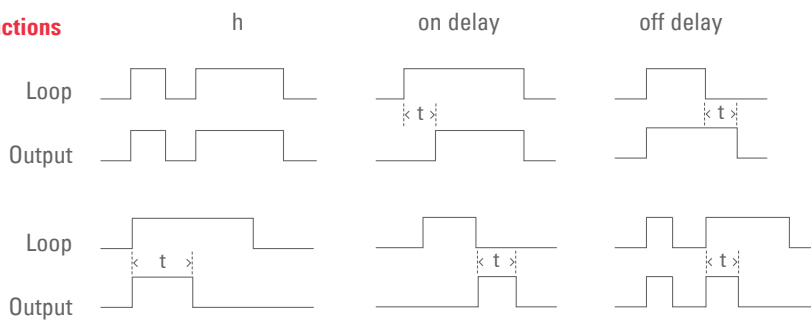
ProLoop Lite – it couldn't be easier!

The intelligent software and compact design enable simple operation and commissioning.



Functions

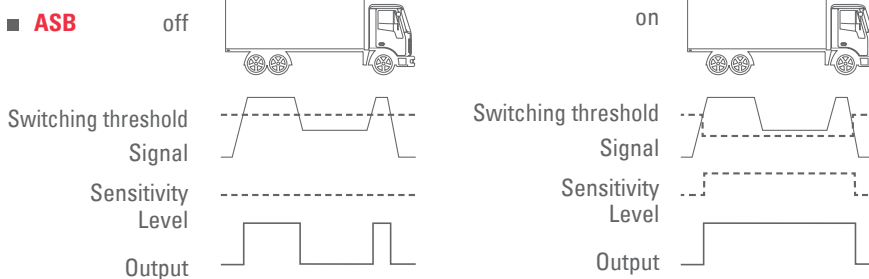
Time functions



Advantage

The time response of the output signal can be adapted to the required application.

ASB



Advantage

If ASB (Automatic Sensitivity Boost) is activated then once the vehicle has been detected the sensitivity is increased to the end of detection. ASB ensures that vehicles with greater ground clearance are still detected while they are driving over the loop.

Frequencies

You can choose between four different frequencies.

Advantage

Crosstalk between adjacent loops and interference from other sources on the same frequency are avoided.



Expanded accessories

The pre-fabricated induction loop is an important component of vehicle detection via a loop detector. It is easy to install in the ground and is available in different dimensions.

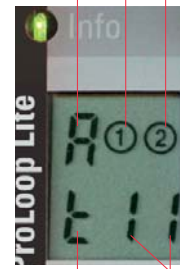


Induction loop

Display

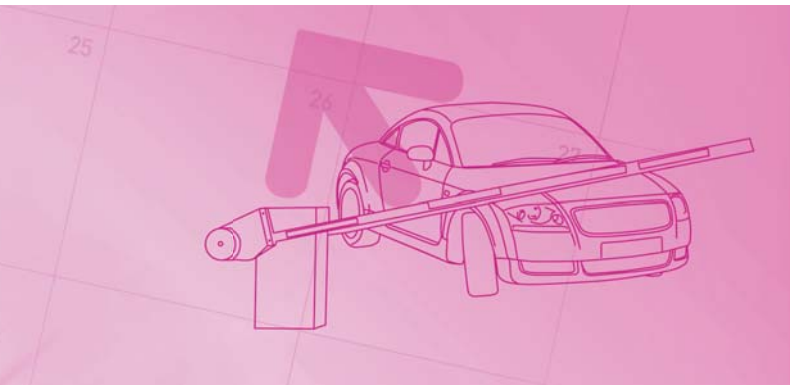
Parameter no.

Loops 1+2



Factor/function

Parameter name



Applications

Situation

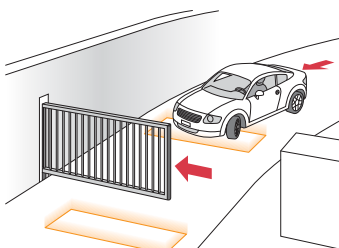
Use on a sliding gate

Solution

- Opening and closing of gates in interior and exterior applications

Advantages

- Contactless activation of the gate system
- Reliable operation even in adverse weather conditions



Situation

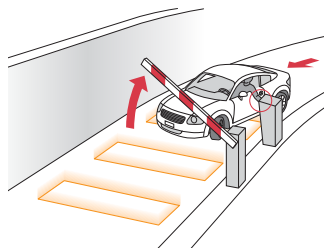
Use on a barrier system

Solution

- Opening and closing of barriers in the entrance and exit areas of car parks
- Activation of parking ticket dispensers

Advantage

- The barrier opening pulse can also be used for counting purposes to display the occupancy of multi-storey car parks



Situation

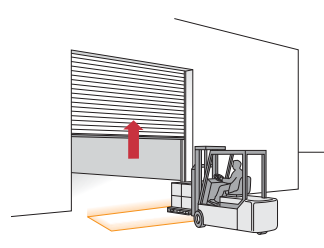
Use on industrial gates

Solution

- Opening of gates in interior and exterior applications

Advantage

- Contactless activation of the gate



Situation

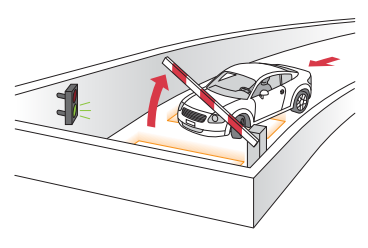
Entrance at gates with traffic lights

Solution

- Controlling of gates and light signals in obscured entrance areas and bottlenecks

Advantages

- Traffic control
- Shortened waiting times through optimized traffic flow



Ordering information

Item no.	Description
1-loop devices	
353825	ProLoop Lite 1.24DC 1-loop detector with 2 relay outputs
353826	ProLoop Lite 1.230AC 1-loop detector with 2 relay outputs
2-loop devices	
353827	ProLoop Lite 2.24DC 2-loop detector with 2 relay outputs
353828	ProLoop Lite 2.230AC 2-loop detector with 2 relay outputs
11-pin connection variant	
373677	ProLoop Lite 1.S.24DC, without plug-in base 1-loop detector with 2 relay outputs
373678	ProLoop Lite 1.S.230AC, without plug-in base 1-loop detector with 2 relay outputs
209745	Plug-in base ES12 for ProLoop Lite 1.S
Accessories	
213928	Pre-fabricated induction loop, loop circumf. = 6 m, supply cable = 10 m
213934	Pre-fabricated induction loop, loop circumf. = 8 m, supply cable = 10 m
213901	Pre-fabricated induction loop, loop circumf. = 10 m, supply cable = 10 m
213904	Pre-fabricated induction loop, loop circumf. = 12 m, supply cable = 15 m
	Other dimensions available on request: Loop circumference min. 6 m, max. 25 m; supply cable max. 50 m



Additional products

ClickLine

Electrical safety edge
Rubber profiles with click-in foot



CoverLine

Electrical safety edge
Rubber profiles for clicking in on the side



Herkules 2E

Microwave motion detector
for industrial gates



Technical specifications

Mechanical data

Housing	DIN	For DIN rail mounting Material: PA, black/grey
	11-pin	Lower part with 11-pin connector, material PA black; hood, material PPE red
Dimensions	DIN	22.5 mm x 94 x 90 (W x H x D)
	11-pin	36 x 74 x 88 mm (W x H x D)
Weight	DIN	140 g
	11-pin	100 g (24 V), 185 g (230 V)
Type of connection	DIN	Clamp-type terminals
	11-pin	11-pin connector
Loop supply cable		∅ 1.5 mm ² , min. 20 twists per meter Max. 100 m at 20–40 µH Max. 200 m at over 40 µH

Electrical data

Supply voltage	DIN	24 VDC –10% to +20% 84 mA 230 VAC ±10%, 50/60 Hz, 16 mA
Power consumption	DIN	Max. 2.9 VA
	11-pin	24 V, 1.2 VA, 230 VAC, 3.7 VA
On duration		100%
Loop inductivity		Max. 20–1000 µH Ideal 80–300 µH
Frequency range		4 stages
Sensitivity		Frequency modulation: 0.01 – 1.00% in 9 stages
Hold time		Infinite (factory setting), or according to programming
Loop resistance		< 8 Ohm incl. supply cable
Output relay		Max. 240 VAC, 2A / 30 VDC; 1 A; AC-1
Channel switching time		1-loop device 25 ms 2-loop device 50 ms
Max. ascertainable vehicle speed		50 km/h with the appropriate loop
Compliance		R&TTE 1999/5/EC

Ambient conditions

Type of protection	IP20
Operating temps.	–20 °C to +60 °C
Storage temperature	–40 °C to +70 °C
Humidity	< 95 %, no condensation

Note

Technical details and recommendations on our products are based upon experience and represent guidelines for the user. Details in brochures and specification sheets do not guarantee any special product features, apart from those which we confirm in individual cases. We reserve the right to make changes as the result of technical developments.

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