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**
  - Loop
  - Output

- **ASB**
  - Switching threshold
  - Signal
  - Sensitivity Level
  - Output

- **Frequencies**
  You can choose between four different frequencies.

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

**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.

**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*

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**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

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**Display**

Parameter no.  
Loops 1+2  
Factor/function  
Parameter name
Ordering information

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>353825</td>
<td>ProLoop Lite 1.24DC 1-loop detector with 2 relay outputs</td>
</tr>
<tr>
<td>353826</td>
<td>ProLoop Lite 1.230AC 1-loop detector with 2 relay outputs</td>
</tr>
<tr>
<td>353827</td>
<td>ProLoop Lite 2.24DC 2-loop detector with 2 relay outputs</td>
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<tr>
<td>353828</td>
<td>ProLoop Lite 2.230AC 2-loop detector with 2 relay outputs</td>
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<tr>
<td>373677</td>
<td>ProLoop Lite 1.S.24DC, without plug-in base 1-loop detector with 2 relay outputs</td>
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<tr>
<td>373678</td>
<td>ProLoop Lite 1.S.230AC, without plug-in base 1-loop detector with 2 relay outputs</td>
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<td>209745</td>
<td>Plug-in base ES12 for ProLoop Lite 1.S</td>
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Accessories

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<tr>
<th>Item no.</th>
<th>Description</th>
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<tr>
<td>213928</td>
<td>Pre-fabricated induction loop, loop circumf. = 6 m, supply cable = 10 m</td>
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<tr>
<td>213934</td>
<td>Pre-fabricated induction loop, loop circumf. = 8 m, supply cable = 10 m</td>
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<tr>
<td>213901</td>
<td>Pre-fabricated induction loop, loop circumf. = 10 m, supply cable = 10 m</td>
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<tr>
<td>213904</td>
<td>Pre-fabricated induction loop, loop circumf. = 12 m, supply cable = 15 m</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Mechanical data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
</tr>
<tr>
<td>Dimensions</td>
</tr>
<tr>
<td>Weight</td>
</tr>
<tr>
<td>Type of connection</td>
</tr>
<tr>
<td>Loop supply cable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical data</th>
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</thead>
<tbody>
<tr>
<td>Supply voltage</td>
</tr>
<tr>
<td>Power consumption</td>
</tr>
<tr>
<td>Loop inductivity</td>
</tr>
<tr>
<td>Frequency range</td>
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<tr>
<td>Sensitivity</td>
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<tr>
<td>Hold time</td>
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<tr>
<td>Loop resistance</td>
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<tr>
<td>Output relay</td>
</tr>
<tr>
<td>Channel switching time</td>
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<tr>
<td>Max. ascertainable vehicle speed</td>
</tr>
</tbody>
</table>

Ambient conditions

| Type of protector | 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.

BBC Bircher Smart Access
Wiesengasse 20
8222 Beringen
Switzerland
Phone +41 52 687 11 11
info@bircher.com
www.bircher.com