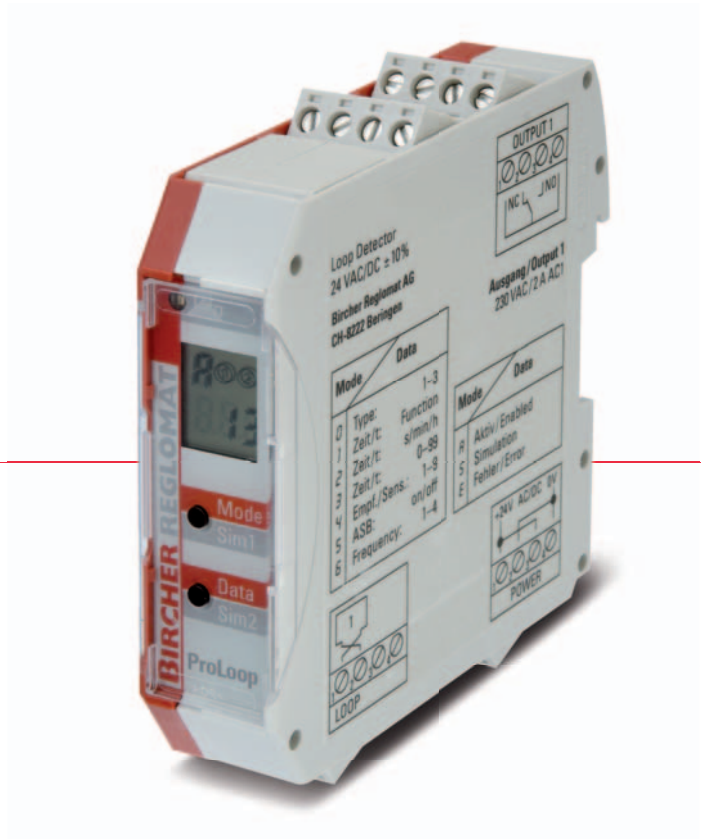


sensing the future



ProLoop

Loop detector for industrial gates, barriers and parking installations

Intelligent, compact, simple

- Minimal start-up time thanks to simple programming and simulation capability
- Versatile usable due to a multitude of functions and flexible settings
- Easy and self-explanatory operation
- Automatic measurement and display of the loop inductivity
- Instant error detection via LCD display

ProLoop

Loop detector for gates, industrial barriers and parking installations

Detection with a system

Every loop detection operation is performed with total reliability when using ProLoop. The ProLoop system monitors and evaluates using induction wire loops laid in the ground and in this way recognises metal vehicles of all types: bicycles, cars, trucks, or towed units and forklifts are all precisely captured. Its compact DIN-standard housing and the simple operating and display concept make ProLoop a really user-friendly product.

ProLoop – there's nothing easier

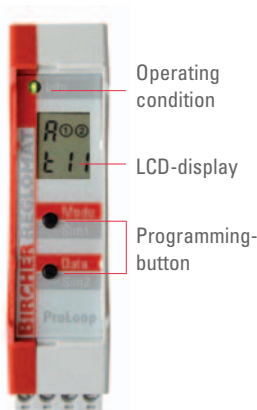
Intelligent software and compact design make operation and start-up really easy.



Your benefits

Rapid start-up

The programming is easy to understand. With the two buttons and the LCD display, the operation of ProLoop is very user friendly.



Easily serviced and monitored

The operating mode and parameters can be simply checked at a single glance on the easy-to-read LCD display unit.



Individually adjustable

Adjustment using the optimized sensitivity adjustment in 9 stages.



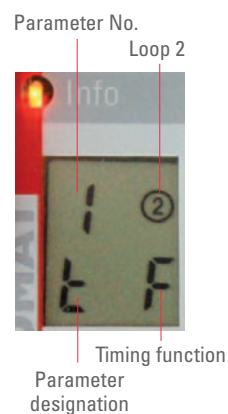
Integral measuring device

Automatic measurement and display of loop inductivity.



Programmable at any time

The functions can rapidly be adjusted: timing delays and other parameters can be individually programmed.



Safe and reliable

- High operational safety after a power loss even with occupied loops thanks to automatic resetting
- Selectable and automatic sensitivity boost: vehicles towing trailers are safely identified
- Highest reliability and high error tolerance is guaranteed by the galvanic isolation between loop and detector



Additional accessory

The pre-assembled induction loop is an important component of the loop detection system. It is laid in the ground and can be supplied in different sizes.



pre-assembled loop



Applications

Situation

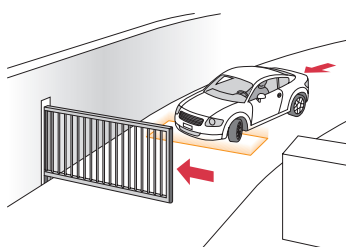
Used with sliding gate

Solution

- The opening and closing of gates in inside and outside areas

Benefits

- Contact-free activation of gate installations
- Reacts with all metal vehicles
- No false opening caused by pedestrians and animals



Situation

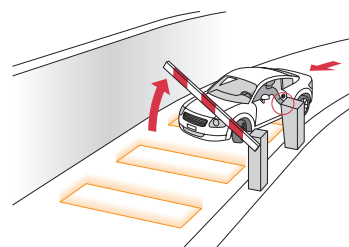
Used in barrier installations

Solution

- The opening and closing of barriers at entrances and exits of parking installations
- Activation of parking ticket machines

Benefits

- For displaying occupancy in car parks.
- The opening pulse of the barrier can also be used for counting
- No unintentional activation by pedestrians



Situation

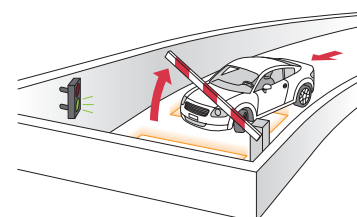
Drive-in with traffic lights installation

Solution

- Control of traffic lights in badly arranged entrances and bottlenecks

Benefits

- Well-defined control of traffic
- Targeted activation by directional logic
- Reduced waiting times due to optimized traffic flow



Order details



Item no.	Description
PRLO 1.R1.24ACDC	219 946 ProLoop 1 Loop device with 1 Relay output 24 VACDC
PRLO 1.R1.LVAC	219 947 ProLoop 1 Loop device with 1 Relay output 85–264 VAC
PRLO 1.R2.24ACDC	219 948 ProLoop 1 Loop device with 2 Relay outputs 24 VACDC
PRLO 1.R2.LVAC	219 949 ProLoop 1 Loop device with 2 Relay outputs 85–264 VAC
PRLO 2.R2.24ACDC	219 954 ProLoop 2 Loop devices with 2 Relay outputs 24 VACDC
PRLO 2.R2.LVAC	219 956 ProLoop 2 Loop devices with 2 Relay outputs 85–264 VAC
PRLO 1.AR1.24ACDC	219 957 ProLoop 1 Loop device with 1 Relay output and alarm output 24 VACDC
PRLO 1.AR1.LVAC	219 940 ProLoop 1 Loop device with 1 Relay output and alarm output 85–264 VAC
PRLO 1.AR2.24ACDC	219 942 ProLoop 1 Loop device with 2 Relay outputs and alarm output 24 VACDC
PRLO 1.AR2.LVAC	219 945 ProLoop 1 Loop device with 2 Relay outputs and alarm output 24 VACDC
PRLO 2.AR2.24ACDC	219 951 ProLoop 2 Loop devices with 2 Relay outputs and alarm output 24 VACDC
PRLO 2.AR2.LVAC	219 952 ProLoop 2 Loop devices with 2 Relay outputs and alarm output 85–264 VAC
PRLO-KS	Spare terminals – Set
SF5/20	213 925 Pre-assembled loop, circumference = 5 m, Supply cable = 20 m
SF6/10	213 928 Pre-assembled loop, circumference = 6 m, Supply cable = 10 m
SF6/15	213 929 Pre-assembled loop, circumference = 6 m, Supply cable = 15 m
SF8/5	213 940 Pre-assembled loop, circumference = 8 m, Supply cable = 5 m
SF12/15	213 904 Pre-assembled loop, circumference = 12 m, Supply cable = 15 m
	Other lengths available on request: loop circumference min. 6 m max. 25 m, Supply cable max. 50 m



Technical specifications

Mechanical specs.

Housing	For DIN rail mounting. Material is red and grey polyamide.
Dimensions	85 x 90 x 22,5 mm (W x H x D)
Weight	200 g
Type of connection	Clamp-type terminals
Loop supply cable	Max. 200 m Min. 20 twists per meter

Electrical specs.

Supply voltage	24 V ACDC $\pm 10\%$ 80 – 264 VAC
Power consumption	Max. 2 VA
On duration	100%
Loop inductivity	Max. 40 – 1000 μH Ideal 80 – 300 μH
Frequency range	20 – 100 kHz in 4 stages
Sensitivity	Frequency modulation: 0.01 – 4.00% in 9 stages
Hold time	Infinite or as per programming
Loop resistance	< 8 Ohm incl. supply cable
Output relay (Loop)	250 VAC / 2A AC1
Output relay (Alarm)	60 VAC / 0.3A AC1
Reaction time	1-loop device 150 ms 2-loop devices 300 ms
Pre-protection	ETSI EN 300330-2 V1.3.1 : 2006 ETSI EN 301489-1 V1.5.1 : 2004 ETSI EN 301489-3 V1.4.1 : 2002
Electrical safety	EN 60950-1 : 2001 / A11 : 2004

Environmental conditions

Type of protecton	Suitable for operation as per IP30
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.

Your contact

Bircher Reglomat AG

Wiesengasse 20
CH 8222 Beringen
Phone +41 52 687 11 11
Fax +41 52 687 12 10
info@bircher.com
www.bircher-reglomat.com