

# ProLoop2 1.LVAC

Part No. 262598

DATASHEET

1-loop detector with 2 relay outputs

## Induction loop detector for vehicle detection

### Mechanical data

Housing	DIN (for DIN rail mounting)
Material	PA red / grey
Dimensions (W x H x D)	22.5 x 92 x 85 mm
Type of connection	Clamp type terminals
Weight	250 g

### Electrical data

Supply voltage	100 – 240 V AC $\pm$ 10 % 50/60 Hz, 23 to 12 mA
Power consumption	Max. 2.9 VA
Inductance range	20 – 1'000 $\mu$ H Ideal loop inductivity: 80 – 300 $\mu$ H Isolation transformer allows operation with poor quality loops, e.g. grounded loops
Operating frequency	16 kHz – 120 kHz (depending on loop geometry and setting: 4 stages)
Sensitivity range	Frequency modulation 0.01 – 1.00%, adjustable (9 stages)
Loop resistance	< 8 $\Omega$ incl. loop lead-in
Output relays	Max. 240 VAC, 2 A / 30 VDC; 1A; AC1
Channel switching time	25 ms
Compliance	RED 2014/53/EU

### Features

Interface	LCD display and 2 push buttons
ASB (Automatic Sensitivity Boost)	Increases sensitivity after initial detection to prevent dropout related to high-bed vehicles
Output modes, selectable	Hold, On- and Off-delay, pulse on entry or exit
Time functions	Adjustable from 0.1 s to 99 h
Compensation of environmental influences	Automatic
Max. ascertainable vehicle speed	50 km/h with the appropriate loop
Power fail function	If switched on: The internal loop reference will be stored during a power failure.
Error codes	The 5 most recent errors are stored and can be looked up.

### Ambient conditions

Protection category	IP20
Operating temperature	-20°C to +70°C
Storage temperature	-40°C to +70°C
Rel. air humidity	< 95%, non-condensing

### Box contents:

ProLoop 2, instruction manuals (EN, DE, FR, ES, IT, NL, SV)

### Dimensions:

