

ProLoop2 1.A.24ACDC

Part No. 262597

DATASHEET

1-loop detector with 2 relay outputs and alarm output

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 / Power consumption	24 V DC -10 % to +20 %, max. 1.5 W 24 V AC -20 % to +10 %, 50/60 Hz, max 2W
Inductance range	20 – 1'000 μ H Ideal loop inductivity: 80 – 300 μ 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 Ω incl. loop lead-in
Output relays (loop)	AC-1: max. 240 V AC, 50/60 Hz; 2 A DC-1: max. 30 V DC; 1 A
Output relay (alarm)	AC-1: max. 40 V AC, 50/60 Hz; 0.3 A DC-1: max. 40 V DC; 0.3 A
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:

