

ProLoop2 1.S.24ACDC

Part No. 299855

1-loop detector with 2 relay outputs

Induction loop detector for vehicle detection

Mechanical data

Housing	Pluggable for 11-pin base ES 12
Material	PA black, PPE red
Dimensions (W x H x D)	38 x 74 x 88 mm
Type of connection	11-pin
Weight	180 g

Electrical data

Supply voltage	24 VDC -10 % to +20 %, 84 mA 24 VAC -20 % to +10 %, 84 mA
Power consumption	1.3 W / 1.8 VA
Inductance range	20 – 1'000 µH Ideal loop inductivity: 80 – 300 µH 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	AC-1: Max. 240 VAC, 2 A, / DC1: max. 30 VDC; 1 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 (11-pin), instruction manuals (EN, DE, FR, ES, IT, NL, SV)

Dimensions:

