

ProLoop Lite 2.24DC

Part No. 353827

2-loops detector

Induction loop detector for vehicle detection

Mechanical data

Housing	DIN (for DIN rail mounting)
Material	PA black / grey
Dimensions (W x H x D)	22.5 x 92 x 85 mm
Type of connection	Clamp type terminals
Weight	260 g

Electrical data

Supply voltage	24 VDC -10% to +20%
Power consumption	2 W at 24 VDC
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	Max. 240 VAC, 2 A / 30 VDC; 1A; AC1
Channel switching time	50 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

Ambient conditions

Protection category	IP20
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +70°C
Rel. air humidity	< 95%, non-condensing

Box contents:

ProLoop Lite, instruction manuals (EN, DE, FR, ES, IT, NL, SV, DA, FI, CS, PL, CN)

Dimensions

