



ProLoop Lite 2.24DC

Part No. 353827

DATASHEET

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

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
Grounded loop	Isolation transformer allows operation with poor quality 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)
Environmental tracking	Automatic compensation
Loop resistance	< 8 Ω incl. supply cable
Output relays	Max. 240 VAC, 2 A / 30 VDC; 1A; AC1
Channel switching time	50 ms
Max. ascertainable vehicle speed	50 km/h with the appropriate loop
Compliance	R&TTE 1999/5/EC

Functions

Operating concept	LCD display and 2 push buttons
ASB (automatic Sensitivity Boost)	Increases sensitivity after initial detection to prevent dropout due to high-bed vehicles
Output variations, selectable	Hold, On- and Off-delay, Impulse on arrival or departure
Time functions	Adjustable from 0.1 s to 99 h

Ambient conditions

Protection category	IP 20
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 (DE, EN, FR, ES, IT, NL, SV, DA, FI, CS, PL, CN)

Dimensions

