

ProLoop Lite 1.S.24DC

Part No. 373677

DATASHEET

1-loop detector

Induction loop detector for vehicle detection

Mechanical data

Housing	Pluggable for 11-pin base ES 12
Material	PPE red
Dimensions (W x H x D)	36 x 74 x 88 mm
Type of connection	11-pin
Weight	150 g

Electrical data

Supply voltage	24 V DC -10% to +20%
Power consumption	1.3 W
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 (loop)	AC-1: max. 240 V AC, 50/60 Hz; 2 A DC-1: max. 30 V DC; 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

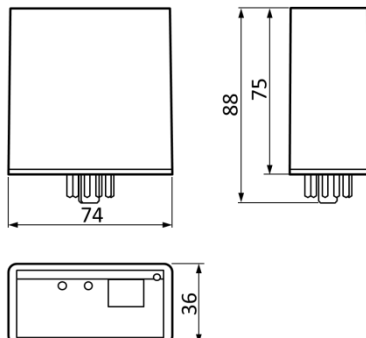
Ambient conditions

Protection category	IP20 (IEC 60529)
Operating temperature	-20°C to +60°C
Storage temperature	-40°C to +70°C
Rel. air humidity	< 95%, non-condensing

Box contents:

ProLoop Lite 1.S.24DC, instruction manuals (EN, CN, KO)

Dimensions



Subject to change without notice

00006650B 09/22