ProLoop2 1.LVAC

1-loop detector with 2 relay outputs

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 / Current consumption: 100 – 240 V AC ±10 %, 50/60 Hz; 23 to 12 mA
- Power consumption: Max. 2.9 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
- 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 content:**
ProLoop 2, instruction manuals (EN, DE, FR, ES, IT, NL, SV)

**Dimensions:**

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Subject to change without notice