ProLoop2 2.A.24ACDC

2-loops detector with 2 relay outputs and alarm output

**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 / Power consumption**:
  - 24 V DC: -10 % to +20 %, max. 1.5 W
  - 24 V AC: -20 % to +10 %, 50/60 Hz, max 2W
- **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
- **Output relay (alarm)**:
  - AC-1: max. 40 V AC, 50/60 Hz; 0.3 A
  - DC-1: 40 V DC; 0.3 A
- **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
- **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, instruction manuals (EN, DE, FR, ES, IT, NL, SV)

**Dimensions:**
- Length: 92 mm
- Depth: 85 mm
- Height: 22.5 mm

Subject to change without notice