## ProLoop Lite 1.S.230AC

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**: 230 g

#### Electrical data
- **Supply voltage**: 230 V AC ±10 %, 50 Hz
- **Power consumption**: 3.7 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.230AC, instruction manuals (EN, CN, KO)

#### Dimensions

![Dimensions Diagram]