



## Single Loop Detector

Loop detector is used for wherever vehicles have to be detected, for example for monitoring and safe-guarding access ways or for counting vehicles. The output signal can be used for controlling door and gate drive mechanisms, operating barriers, controlling traffic light systems or activating card dispensers in parking lots. The loop detector has two-way output relays (for open & close loops).

### Technical data

- Operating voltages: 12V AC/DC  $\pm 10\%$  24V AC/DC  $\pm 10\%$
- 115V AC  $\pm 10\%$  230V AC  $\pm 10\%$
- Power consumption:  $< 2W$
- Output: Relay output
- Frequency range: 20KHz to 200KHz
- Reaction time: 50 ms
- Sensitivity: high, medium, low (adjustable)
- Loop inductance: Ideal 80 $\mu$ H to 300 $\mu$ H (include connecting wiring)
- Max 40 $\mu$ H to 1000 $\mu$ H (include connecting wiring)
- Loop conn. Wiring: Max. 200m, twisted at least 20 times per meter,
- Total resistance  $< 8$  Ohm
- Operating temp.:  $-20^{\circ}C$  to  $+70^{\circ}C$
- Storage temp.:  $-40^{\circ}C$  to  $+85^{\circ}C$
- Connection: 11-pin socket (DIN MOUNT)
- Dimensions: 74 x 36 x 85 mm (L x W x H)
- Net Weight: 250g (include socket)
- IP: IP30
- EMC: EN50081-1 & EN50082-2