

MATRIX

Induction loop sensor for all industrial doors

Induction loop technology enables accurate and reliable opening and presence detection



Performance

- Single or double induction loops
- Unidirectionality
- Memory effect
- ASB: Automatic Sensitivity Boost to track the presence of highbed vehicles

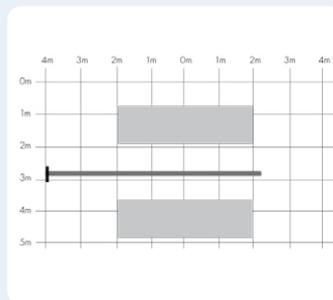
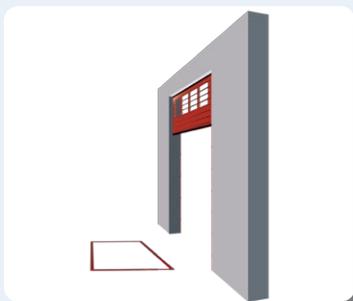
Designed for industrial environments

- Careful compensation of outside temperature to guarantee a safe detection in case of long term occupation of the loop
- Up to four frequency settings to avoid any crosstalk between adjacent loops

Optimization of installation

- Installation by DIP-switch
- Ease of use through fine adjustments by potentiometers

Applications



DRAFT

Technical specifications

Electrical specifications

Supply voltage: 12 - 24V AC/DC +/- 10%
 Mains frequency: 48 to 62 Hz
 Power consumption: < 2.5W
 Output: relays with switch-over contact (voltage free) (max. 230 V AC; max. 5A resistive)
 Connection: standard 11-pin round connector - 86CP11

Mechanical specifications

Dimensions: 77mm (H) x 40mm (W) x 75mm (D)
 Weight: < 200 gr

Environmental conditions

Temperature range: -30°C to +40°C
 Protection degree: IP40

Standards/Certification

Norm conformity: EMC: 2004/108/EEC
 R&TTE: 1999/5/EC

Technology

Detection type: presence
 Technology: induction loop
 Presence time: 1 min to infinity (permanent presence) with 250 steps
 Reaction time: single loop: 25ms
 dual loop: 50ms
 LED-signal: green, red
 Pulse time output: 100ms or 500ms
 Induction range: 20µH to 1000µH
 Frequency range: 20kHz to 130 kHz
 Frequency steps: single loop: 4
 dual loop: 2
 Sensitivity: 0.005% to 0.5% with 250 steps

Subject to changes without prior notice

Description

