

MATRIX

INDUCTION LOOP CONTROLLER

Commercial sheet



ONE FITS FOR ALL GROUNDS

DESCRIPTION

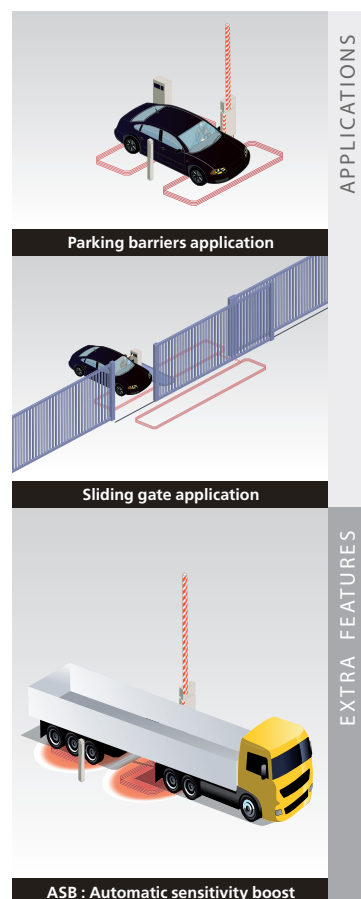
The **MATRIX** is an induction loop controller detecting the presence of vehicles and metallic objects. Most frequent applications are industrial doors, parking barriers and gates. The **MATRIX** was designed to guarantee a stable detection in the long term.



MATRIX ■

PERFORMANCE

- Accurate detection parameter adjustment with a guarantee of stability in the long term.
- 4 frequency adjustments to avoid all interferences.
- ABS function used to make the loop sensitive to raised floor vehicles, trail tillers or fork-lifts.
- Possibility to define the motion direction on 2-channel loop controllers.



APPLICATIONS

- Industrial doors.
- Parking barriers.
- Sliding gates.

EASE OF INSTALLATION

- Thanks to standard connectors, the MATRIX can be embedded into most control boxes.
- One or two-channel versions supplied with 12-24, 110 or 220 Volts.

TECHNICAL SPECIFICATIONS

Technology	Inductive loop
Inductance range	20 μ H to 1000 μ H
Sensitivity ($\Delta L/L$)	0,005 % to 0,5 % with 250 steps
Frequency steps	4 for single loop 2 for dual loop (for each loop)
Detection mode	Presence
Presence time	1 min to infinity (permanent presence) with 250 steps
Learning time	Max. 8 s per channel
Output	2 Output relays (free potential change-over contact)
Max. contact voltage	230 VAC
Max. contact current	5A (resistive)
Pulse time out	100 ms or 500 ms
Reaction time	25 ms for single loop 50 ms for dual loop (each channel)
LED signals	1 green LED : power 1 red LED : loop status 1 1 red LED : loop status 2
Mains frequency	48 to 62 Hz
Power supply (depending on model)	12-24V AC/DC ± 10 % 230V AC ± 10 % 90 -> 125V AC ± 0 %
Power consumption	< 2,5 W
Dimensions	77 mm (L) x 40 mm (H) x 75 mm (W)
Weight	< 200 g
Connection	Standard 11-pin round connector 86CP11
Temperature range	-30°C to +40°C
Degree of protection	IP 40
Norm of conformity	EMC : 2004/108/EC R&TTE : 1999/5/EC

Specifications are subject to change without prior notice.



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MATRIX DIGITAL INDUCTIVE LOOP DETECTORS