

RS-1

SINGLE SPOT SENSOR FOR INTERNAL RAILWAY DOORS

Commercial sheet



IF YOU DO WANT TO FOCUS

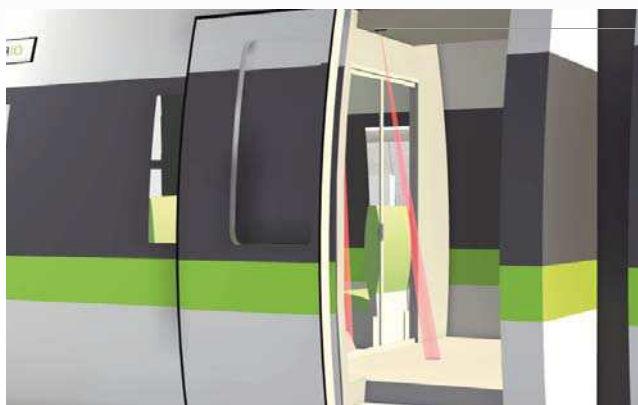
DESCRIPTION

The **RS-1** is designed to open doors when needed or keep them open in case of presence in the threshold for the passenger comfort or safety.

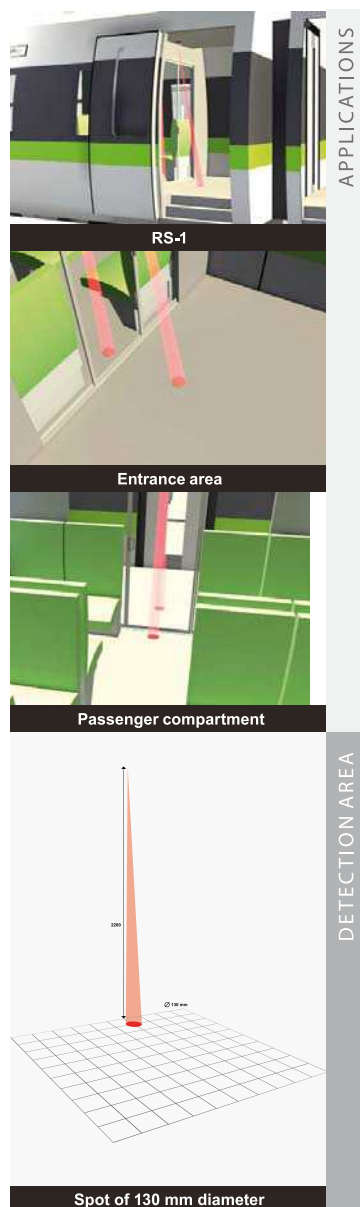
Designed for detection in restricted areas with a spot size of only 13 cm diameter @ 2.2 m mounting height.

PERFORMANCE

- Active IR technology, background analysis sensor producing one single spot.
- Compliant with railway norms.
- NO/NC output relay available.
- Spot can be configured either in motion detection mode, generally used to open the door, or presence detection mode, generally used to keep the door open.
- Conceived for every train design with a focus on aesthetics.



RS-1 ■



APPLICATIONS

- Internal railway doors : motion or presence detection in the door threshold or close to it.
- Convenient for detection in restricted areas.
- Convenient solution for retrofit projects.
- Virtual door handle.

EASE OF INSTALLATION

- Compact housing.
- Tilt angle accessible even when the sensor is recessed.
- Configurable parameters adjustable with a remote control.

TECHNICAL SPECIFICATIONS

Technology	Focused active infrared with background analysis
Optical features	1 IR spot
Max. mounting height	2.5 m
Tilt angles	0° to 20° (step = 5°)
Spot dimension (typical)	130 mm (diameter)
Detection mode	Motion or presence
Reaction time	< 100 ms
Supply voltage (nominal)	24V DC acc. to EN 50155 (12 V to 45 V DC $\pm 10\%$)
Power consumption	< 3 W
Output relay	Free of potential change-over contact
Max. contact voltage	42 V AC - 60 V DC
Max. contact current	1 A (resistive)
Max. switching power	30 W (DC) / 60 VA (AC)
Connections	Integrated 7-pin connector, unpluggable
Mounting	Designed to be flush-mounted
Norms and conformity	EMC 2004/108/EEC; EN 50155; NF F16-102 (optional); TS EN 45545
Temperature range	-25°C to +55°C
Degree of protection	IP41
Dimensions	140 mm (L) \times 38 mm (W) \times 55 mm (D)
Weight	0.1 kg
Material	ABS (PC for NF F16-102)
Color of housing	Tinted black
Length of cable	1 m (total) compliant with DIN5510
Adjustments	
Sensitivity	By push buttons or remote control (4 levels)
Detection mode	By push buttons or remote control (Motion or presence)
Tilt angle	Mechanically
Hold time	By remote control (from 0,5 s to 9 s in 10 steps)
Max. presence time	By remote control (20 s to 25 min in 10 steps)
Security	By remote control (4-digit entry code)

Specifications are subject to change without prior notice.

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