RS-15

OPENING & PRESENCE SENSOR FOR INTERNAL RAILWAY DOORS

Commercial sheet

GREAT DETECTION AREA FLEXIBILITY :
1 SENSOR WITH A CHOICE OF 9 AVAILABLE DETECTION FIELD SHAPES

DESCRIPTION

Sensor with combined functions for internal doors, the **RS-15** is designed to open doors when needed and keep them open in case of presence in the threshold for the passenger comfort and safety.
Very flexible detection area thanks to a matrix of 3 × 5 configurable spots.

COMPLIANT WITH
**FIRE PROTECTION STANDARDS
DIN 5510-2 / NF F16-101 / EN 45545-2**

PERFORMANCE

- Active IR technology, background analysis sensor producing 3 lines of 5 spots. Typical dimension: detection area 1.2 m × 1 m @ mounting height of 2.2 m.
- Based on the 15 available spots, 9 different shapes of detection areas are available as presettings.
- As each of the 15 spots can be individually switched on in either motion or presence detection or switched off, any combination out of more than 14 million choices can be supplied on request.
- Compliant with railway norms.
- NO/NC output relay available.
- Conceived for every train design with a focus on aesthetics.

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sensors and more*

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Entrance area

Passenger compartment
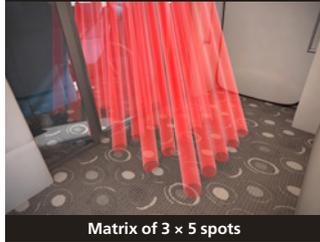
Matrix of 3 × 5 spots
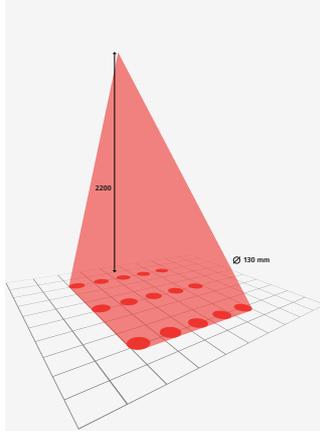
1 m × 1.2 m @ 2.2 m mounting height

APPLICATIONS

- Internal Railway doors: motion detection and/or presence detection in the door threshold.
- 9 presettings available to cover different types of platforms, entrance areas, aisles, etc.
- Convenient solution for retrofit projects.

EASE OF INSTALLATION

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

TECHNICAL SPECIFICATIONS

Technology	Focused active infrared with background analysis
Optical features	15 independent IR spots producing a rectangular-shaped detection field
Max. mounting height	2.5 m
Tilt angles	0° to 20° (step = 5°)
Detection area Mounting height: 2.2 m ; angle: 20°	1 m (W) x 1.2 m (D)
Spot dimension (typical)	130 mm (diameter)
Detection mode	Motion and presence
Reaction time	< 100 ms
Supply voltage (nominal)	24 V DC acc. to EN 50155 (12 V to 45 V DC ±10%)
Power consumption	< 3 W
Output relay Max. contact voltage Max. contact current Max. switching power	Free of potential change-over contact 42 V AC - 60 V DC 1 A (resistive) 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; DIN 5510-2; NF F16-101 ; EN 45545-2
Temperature range	-25°C to +55°C
Degree of protection	IP41
Dimensions	140 mm (L) × 38 mm (W) × 55 mm (D)
Weight	0.1 kg
Material	PC
Color of housing	Black smoked
Length of cable	1 m (total); material compliant with DIN 5510-2
Adjustments Sensitivity Shape of detection area Tilt angle Hold time Max. presence time Security	 By push buttons or remote control (4 levels) By push buttons or remote control (choice of 9 pre-programmed fields) Mechanically By remote control (from 0,5 s to 9 s in 10 steps) By remote control (20 s to 25 min in 10 steps) By remote control (4-digit entry code)

Specifications are subject to change without prior notice.

www.sensorio.be

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