

SDS100 OPTEX DUAL SENSOR

The Optex OA-Axis series is the new active infrared door sensor standard for use on automatic sliding doors. The OA-Axis series is developed as a combination sensor for threshold safety and activation. The OA-Axis is in compliance with the latest European regulations.

SDS100

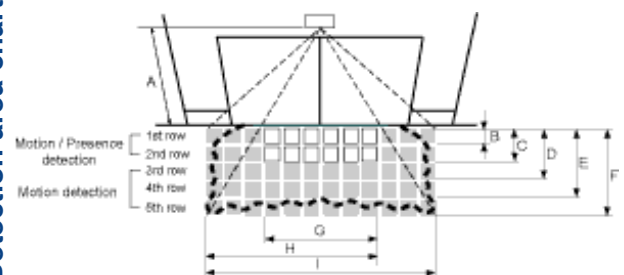
OPTEX AIR MOTION AND SAFETY DUAL SENSOR



Specifications

Mounting height	up to 3.5m (I/II) /3.0m (T)
Detection angle adjustments	1st - 3rd rows -6° / +6° 4th and 5th rows +26° / +44°
Detection method	Active infrared reflection
Power supply	12 - 24V AC $\pm 10\%$ (50/60Hz) 12 - 30V DC $\pm 10\%$
Power consumption	OA-Axis II: < 4VA
Voltage	5 to 50VDC, Current 100 mA max.
Dark current	600 nA max.
Output (OA-Axis II)	1st-3rd row Form C relay 50V 0.3A max. (resistance load) 3rd-5th row Form C relay 50V 0.3A max. (resistance load)
Output hold time	Approx. 0.5s
Response time	<0.3s
Operating temperature	-20 °C - +55 °C
Weight	320g
Accessories	3 m Connection cable 2 Mounting screws 1 Mounting template 1 Area adjustment tool

Detection area chart



Mounting height A	2.20	2.50	3.00	3.50
Area Depth B	0.14	0.16	0.20	0.23
Area Depth C	0.42	0.48	0.58	0.67
Area Depth D	0.82	0.93	1.10	1.30
Area Depth E	1.35	1.54	1.85	2.16
Area Depth F	1.90	2.17	2.60	3.03
Area Width G	1.33	1.51	1.81	2.11
Area Width H	2.05	2.32	2.79	3.26
Area Width I	2.78	3.15	3.79	4.42

The actual detection area may differ according to the size/material/ entry speed of the object and the installation environment.

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