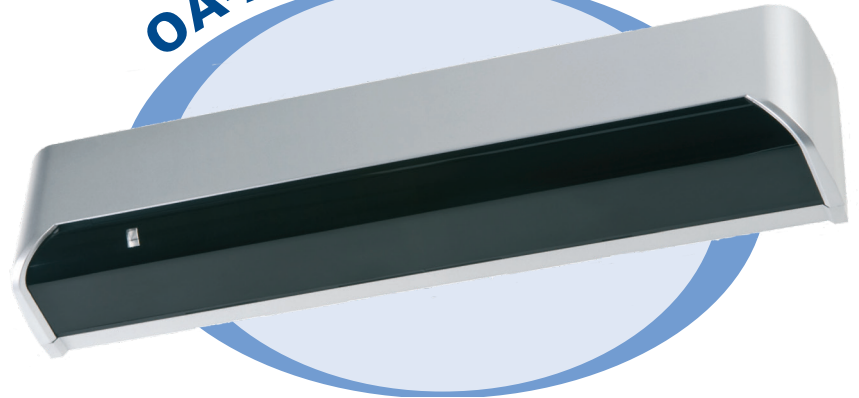




Active Infrared **Door Sensor**

OA-Axis series



Reliable
Flexible Easy Installation
Quality Active Infrared
Sensitivity Presence Detection
Safety

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.

Combination

The OPTEX OA-Axis series utilizes OPTEX's unique active infrared technology, combining activation and safety into one sensor. By using the unique OPTEX presence detection technique the OA-Axis series provides maximum safety around the threshold as well as a large motion detection area for door activation.

Easy adjustment

Installation time can be reduced to a minimum by using easily set switches and adjustments. The sensor can be quickly adjusted for many different applications.

Safety

The active infrared presence detection of the OA-Axis series can be set very accurately and can be moved 6° towards or away from the door. The sensor detects a person or object and holds the door open as long as they are in or near the threshold area, even if they are motionless.

Motion detection

The large detection area provides fast detection for any humans or carts approaching from any angle. The sensor's enhanced pattern depth enables it to detect people and objects farther away and allows the door to open conveniently for them. The presence and motion detection areas can be adjusted independently.

Variety

By offering different types of output contacts the OA-Axis series meets the requirements and local standards in many different markets.

OA-Axis I: relay output for activation and safety.

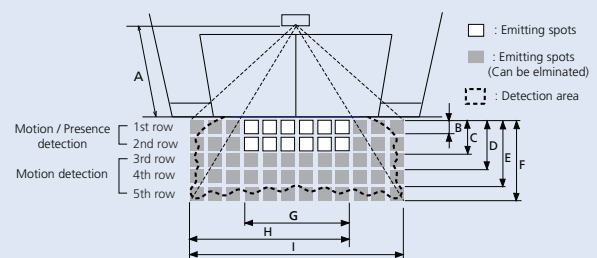
OA-Axis II: one relay for safety and a second relay for motion/activation.

Active Infrared Door Sensor

Specifications

Model	OA-Axis I /OA-Axis II (See above for descriptions)
Mounting height	Up to 11' 6" (I/II)
Detection angle adjustments	1st - 3rd rows -6° / +6° 4th and 5th rows +26° / +44°
Detection method	Active infrared reflection
Power supply	12-24V AC±10% (50/60Hz) 12-30V DC±10%
Power consumption	OA-Axis I: <3VA OA-Axis II: <4VA
LED Operating indicator voltage	See installation manuals
Dark current	5 to 50VDC, Current / 100 mA max. 600 nA max.
Output (OA-Axis I)	Form C relay, 50V, 0.3A 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	-4°F - +131°F
Weight	320g
Accessories	3' connection cable 2 mounting screws 1 mounting template 1 area adjustment tool
Available colors	Black and silver

Detection Area Chart



Mounting Height A	7' 2"	8' 2"	8' 10"	9' 10"
Area Depth B	5 1/2"	6"	7"	8"
Area Depth C	1' 5"	1' 7"	1' 8"	1' 11"
Area Depth D	2' 8"	3' 1"	3' 3"	3' 7"
Area Depth E	4' 5"	5' 1"	5' 5"	6' 1"
Area Depth F	6' 3"	7' 1"	7' 8"	8' 6"
Area Width G	4' 4"	4' 11"	5' 4"	5' 11"
Area Width H	6' 9"	7' 7"	8' 3"	9' 2"
Area Width I	9' 2"	10' 4"	11' 2"	12' 5"

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



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