

OA-AXIS T

Combination Active Infrared Door Sensor

for Automatic Sliding Door Applications



The OPTEX OA-AXIS T series is the automatic door standard for use on sliding doors. Using Active Infrared technology, the OA-AXIS T combines a large activation area and threshold safety in one sensor. Activation is fast and independently adjustable. Presence detection can be set very accurately and may be moved 6" towards or away from the door. The OA-AXIS T will hold the door open as long as a person lingers in the threshold area. For reliable detection combined with threshold safety, the OA-AXIS T from OPTEX is an ideal choice for sliding door applications.

www.optexamerica.com

Features & Benefits

Threshold area safety

The OA-AXIS T provides presence detection in the threshold area and will hold the door open for persons lingering in the doorway, even if they have stopped.

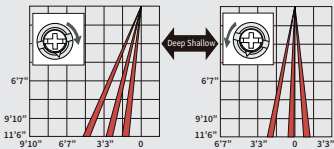
Large detection area

The motion detection pattern of the OA-AXIS T provides fast detection across a large area for both people and moving objects. The detection area can be adjusted independently of the threshold detection area.

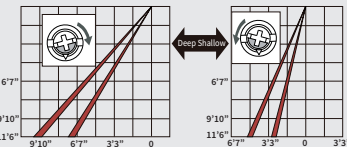
Adjustable detection patterns

The detection patterns can be adjusted in both depth and width. To adjust depth, the three rows of emitting spots closest to the door can be angled from -6° to $+6^{\circ}$, and the angle of the two far rows can be set from $+26^{\circ}$ to $+44^{\circ}$ (see below). For width adjustment, the outermost three rows on each side can be eliminated, creating a narrower pattern.

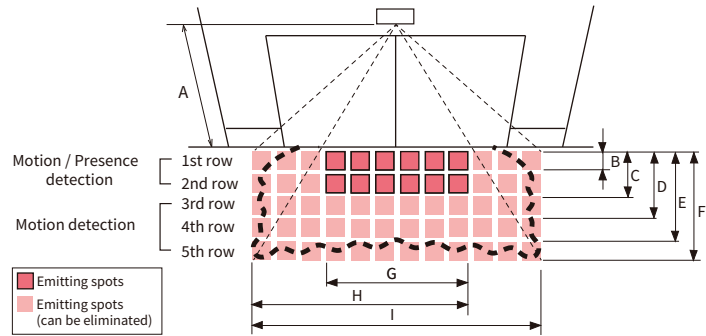
1st to 3rd rows: -6° to $+6^{\circ}$



4th and 5th rows: $+26^{\circ}$ to $+44^{\circ}$



Detection Area



A	7' 3"	8' 2"	8' 10"	9' 10"	11' 6"
B	5 1/2"	6"	7"	8"	9"
C	1' 5"	1' 7"	1' 8"	1' 11"	2' 2"
D	2' 8"	3' 1"	3' 3"	3' 7"	4' 3"
E	4' 5"	5' 1"	5' 5"	6' 1"	7' 1"
F	6' 3"	7' 2"	7' 8"	8' 6"	9' 11"
G	4' 4"	5'	5' 4"	5' 11"	6' 11"
H	6' 9"	7' 7"	8' 3"	9' 2"	10' 8"
I	9' 2"	10' 4"	11' 2"	12' 6"	14' 6"

Specifications

Models	OA-AXIS I, OA-AXIS II, OA-AXIS T
Cover colors	Black/Silver (OP-08S)
Mounting height	Max. 13'1"
Detection angle adjustments	OA-AXIS I and II: $7'2"$ to $11'5"$; OA-AXIS T: $6'7"$ to $9'10"$ 1st-3rd rows -6° to $+6^{\circ}$; 4th-5th rows $+26^{\circ}$ to $+44^{\circ}$
Detection method	Active infrared reflection
Power supply	12-24 VAC $\pm 10\%$ (50/60 Hz); 12-30 VDC $\pm 10\%$
Power consumption	<3 VA (OA-AXIS I); <4 VA (OA-AXIS II); <2.5 (OA-AXIS T)
LED operating indicator	Green: Standby; blinking red: 1st row detection; red: 2nd row activation
Output	OA-AXIS I: Form C relay 50V, 0.3A OA-AXIS II: Form C relay 50V, 0.3A max. (resistance load) OA-AXIS T: Activation output: 3rd-5th row Form A relay 50V 0.3A max. (resistance load); Safety/test output: 1st-2nd row Open coupler (NPN) 5 to 50VDC Current / 100mA max.; Dark current / 600mA max. (resistance load)
Output hold time	Approx. 0.5 sec.
Response time	<0.3 sec.
Operating temperature	-4°F to $+131^{\circ}\text{F}$
Weight	11.3 oz.
Accessories	3m connection cable; 2 mounting screws; mounting template; area adjustment tool

Dimensions

