

Active Infrared Door Sensors

with Threshold Safety function



OA-AXIS series



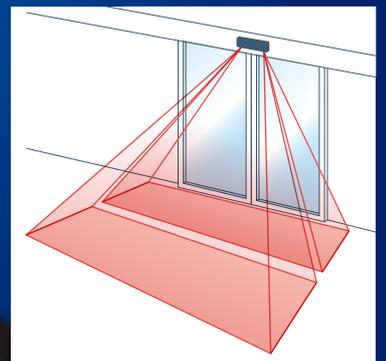
Black

Silver

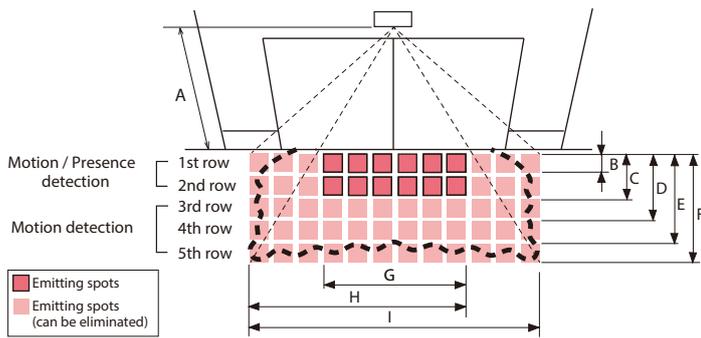


Large and Independent Detection Area

By using the unique Optex presence detection technique, the OA-Axis series provide maximum safety around the threshold as well as a large motion detection area for door activation.



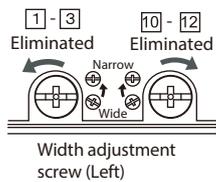
Detection Area



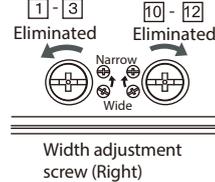
| | m (feet, inch) | | | | |
|---|-------------------|-------------------|-------------------|--------------------|--------------------|
| A | 2.20 (7'2 5/8") | 2.50 (8'2 7/16") | 2.70 (8'10 5/16") | 3.00 (9'10 1/8") | 3.50 (11'5 13/16") |
| B | 0.14 (5 1/2") | 0.16 (6 5/16") | 0.18 (7 1/16") | 0.20 (7 7/8") | 0.23 (9 1/16") |
| C | 0.42 (1'4 9/16") | 0.48 (1'6 7/8") | 0.52 (1'8 1/8") | 0.58 (1'10 13/16") | 0.67 (2'2 3/8") |
| D | 0.82 (2'8 5/16") | 0.93 (3' 5/8") | 1.00 (3'3 3/8") | 1.10 (3'7 5/16") | 1.30 (4'3 3/16") |
| E | 1.35 (4'5 1/8") | 1.54 (5' 5/8") | 1.66 (5'5 3/8") | 1.85 (6' 13/16") | 2.16 (7'1 1/16") |
| F | 1.90 (6'2 13/16") | 2.17 (7'1 7/16") | 2.34 (7'8 1/8") | 2.60 (8'6 3/8") | 3.03 (9'11 5/16") |
| G | 1.33 (4'4 3/8") | 1.51 (4'11 7/16") | 1.63 (5'4 3/16") | 1.81 (5'11 1/4") | 2.11 (6'11 1/16") |
| H | 2.05 (6'8 11/16") | 2.32 (7'7 5/16") | 2.51 (8'2 13/16") | 2.79 (9'1 13/16") | 3.26 (10'8 3/8") |
| I | 2.78 (9'1 7/16") | 3.15 (10'4") | 3.40 (11'1 7/8") | 3.79 (12'5 3/16") | 4.42 (14'6") |

Width detection area adjustment

1st to 3rd rows

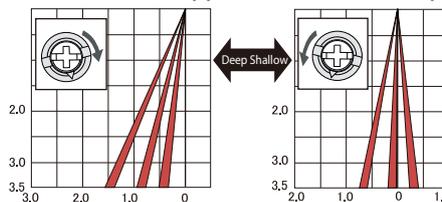


4th and 5th rows

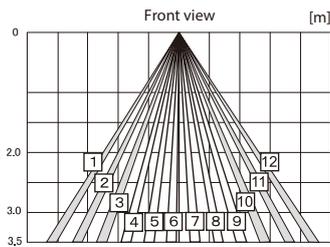
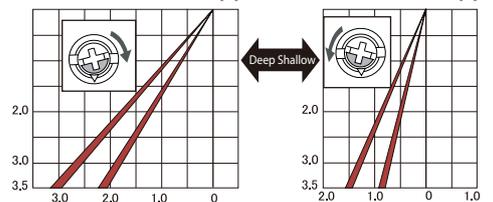


Width detection area adjustment

1st to 3rd rows : -6° to +6°

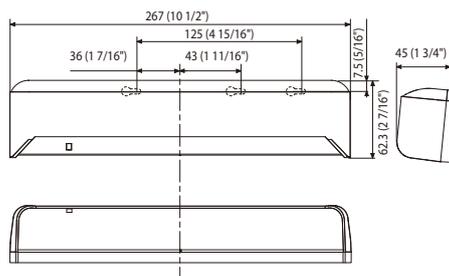


4th and 5th rows : +26° to +44°



The actual detection area may become smaller depending on the ambient light, the color / material of the floor as well as the entry speed of the object.

Dimensions



Specifications

| Model | OA-Axis I | OA-Axis II | OA-Axis T |
|-----------------------------|---|--|--|
| Cover colors | Black / Silver | | |
| Mounting height | 2.2 to 3.5 m (7.2 to 11.5 ft.) | | 2 to 3 m (6.7 to 9.10 ft.) |
| Detection angle adjustments | 1st - 3rd rows -6° to +6° 4th and 5th rows +26° to +44° | | |
| Detection method | Active infrared reflection | | |
| Power supply | 12 to 24 V AC ± 10% (50 / 60 Hz) / 12 to 30 V DC ± 10% | | |
| Power consumption | < 3 VA | < 4 VA | < 2.5 W (< 4 VA at AC) |
| LED operating indicator | Green / stand by, Blinking red / 1st row detection, Red / 2nd row detection | | |
| Output | Form C relay, 50 V, 0.3 A max. | 1st-3rd row Form C relay 50 V 0.3 A max. (resistance load) 3rd-5th row Form C relay 50 V 0.3 A max. (resistance load) | Activation output : 3rd - 5th row Form A relay 50 V 0.3 A max. (resistance load) Safety / test output : 1st,2nd row Open coupler (NPN) 5 to 50 VDC Current / 100 mA Max. Dark current / 600 mA Max. (resistance load) |
| Output hold time | Approx. 0.5 sec. | | |
| Response time | < 0.3 sec. | | |
| Operating temperature | -4 to +131°F | | |
| Weight | 320 g | | |
| Accessories | 3m connection cable, 2 mounting screws, 1 mounting template, 1 area adjustment tool | | |

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