# OPTEX

# OA-4500S(E)



1st row
2nd row
3rd row
4th row
5th row

☐ : Emitting spots ⬚ : Detection Area

▨ : Emitting spots (Can be eliminated)

[mm(feet,inch)]

| Mounting Height | 2,500 (8'2") | 3,000 (9'10") | 3,500 (11'6") | 4,000 (13'2") | 4,500 (14'9") |
|---|---|---|---|---|---|
| A | 160 (6") | 200 (8") | 230 (9") | 260 (10") | 290 (11") |
| B | 480 (1'7") | 580 (1'11") | 670 (2'2") | 760 (2'6") | 850 (2'9") |
| C | 930 (3'6") | 1,100 (3'7") | 1,300 (4'3") | 1,480 (4'11") | 1,660 (5'5") |
| D | 1,540 (5'1") | 1,850 (6'1") | 2,160 (7'1") | 2,460 (8'1") | 2,760 (9'1") |
| E | 2,170 (7'1") | 2,600 (8'6") | 3,030 (9'11") | 3,460 (11'4") | 3,890 (12'9") |
| F | 1,510 (4'11") | 1,810 (5'11") | 2,110 (6'11") | 2,400 (7'11") | 2,700 (8'10") |
| G | 3,150 (10'4") | 3,790 (12'5") | 4,420 (14'6") | 5,050 (16'7") | 5,680 (18'8") |
| Z | 250 (10") | 300 (12") | 350 (1'2") | 400 (1'4") | 450 (1'6") |

Values of the chart are based on the following depth angle adjustment settings;     1st to 3rd rows : +6°    4th and 5th rows: +44°

NOTE  The actual detection area may become smaller depending on the ambient light, the color / material of the object or the floor as well as the entry speed of the object.
The sensor may not be activated when the entering speed of the object or a person is slower than 50mm / sec. or faster than 1500mm / sec.

| | | | |
|---|---|---|---|
| Model | : OA-4500S(E) | Activation output | : When 3rd, 4th or 5th row detects. |
| Color | : Black | | N.C. / N.O. selectable |
| Mounting height | : 2.5m(8'2") to 4.5m(14'9) | | 50V 0.3A MAX.(Resistance load) |
| Detection area | : See **DETECTION AREA** | Safety output | : When 1st or 2nd row detects. |
| Detection method | : Active infrared reflection method | | N.C. / N.O. selectable |
| | (All presence detection) | | 50V 0.3A MAX.(Resistance load) |
| Depth adjustment | : 1st to 3rd rows: -6° to +6° | Output hold time | : Approx. 0.5sec. |
| | 4th and 5th rows: +26° to +44° | Response time | : < 0.3sec. |
| Power supply | : 12 to 24VAC ±10% (50/60Hz) | Operation temperature | : -20°C to +55°C(-4°F to 131°F) |
| | 12 to 30VDC ±10% | Operating humidity | : < 80% |
| Power consumption | : < 2.5W (< 4VA at AC) | IP rate | : IP54 |
| Operation indicator | : Green / Stand-by | Weight | : 320g(11.3oz) |
| | Red / 1st row detection | Accessories | : 1 Cable 4m(13'2") |
| | Orange / 2nd to 5th rows detects | | 2 Mounting screws |
| | | | 1 Mounting template |
| | | | 1 Operation manual |
| | | | 1 Area adjustment tool |

NOTE  The specifications herein are subject to change without prior notice due to improvements.

267(10 1/2")

125(4 15/16")

36(1 7/16")

43(1 11/16")

7(1/4")

45(1 3/4")

63(2 1/2")

[mm(inch)]