

Emitting area

The chart shows the values at depth angle +6° [m(feet,inch)]

A	2.00 (6'7")	2.20 (7'3")	2.50 (8'2")	2.70 (8'10")	3.00 (9'10")	3.50 (11'6")
B	0.23 (9")	0.25 (10")	0.28 (11")	0.31 (1')	0.34 (1'1")	0.39 (1'3")
C	0.35 (1'2")	0.39 (1'3")	0.44 (1'5")	0.48(1'7")	0.53 (1'9")	0.61 (2')
D	0.59 (1'11")	0.65 (2'2")	0.74 (2'5")	0.80 (2'7")	0.89 (2'11")	1.03(3'5")
E	1.21 (3'12")	1.33 (4'4")	1.51(4'11")	1.63 (5'4")	1.81 (5'11")	2.11 (6'11")
F	1.86 (6'1")	2.05 (6'9")	2.32 (7'7")	2.51 (8'3")	2.79 (9'2")	3.25 (10'8")
G	2.52(8'3")	2.78 (9'1")	3.15 (10'4")	3.40 (11'2")	3.79 (12'5")	4.42 (14'6")

Detection area

To comply with EN 16005, make sure that the detection area is within the values of the chart below.

A	2.00 (6'7")	2.20 (7'3")	3.00 (9'10")
X	0.23 (9")	0.25 (10")	0.34 (1'1")
E	1.02 (3'4")	1.12 (3'8")	1.53 (5')
G*	2.41 (7'11")	2.65 (8'8")	3.60 (11'10")

Test conditions required by EN 16005
 Floor :Grey paper
 Detection object : EN 16005 CA reference body
 Sensitivity : Middle
 Speed of detection object : 50mm / sec.

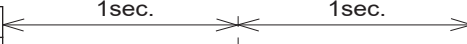






The values above are those of the **Detection area** when tested referring to the test conditions of EN 16005. (The emitting area is as shown in **Emitting area** above.)

*: When installed at higher than 3.0m(9'10"), EN 16005 requirements are fulfilled only within the area width "G" of 3.6m(11'10").

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-PRESENCE TN	Operating humidity	: < 80%
Cover color	: Silver / Black	Noise level	: < 70dBA
Mounting height	: 2.0 (6'7") to 3.5m (11'6")	Output hold time	: < 0.5sec.
Detection area	: See DETECTION AREA	Response time	: < 0.3sec.
Detection method	: Active infrared reflection	IP rate	: IP54
Depth angle adjustment	: -6 to +6°	Category	: 2 (EN ISO13849-1:2015)
Power supply (*1)	: 12 to 24VAC ±10% (50 / 60Hz) 12 to 30VDC ±10%	Performance level	: d (EN ISO13849-1:2015)
Power consumption	: < 1W (< 2 VA at AC)	ESPE	: Type 2
Operation indicator	: See Operation indicator table	Weight	: 250g (8.8oz)
Safety input	: Opto coupler Voltage 5 to 30VDC Current 6mA Max. (30VDC)	Accessories	: 1 Operation manual 2 Mounting screws 1 Mounting template 1 Area adjustment tool 1 Cable 3m (9'10") (8×0.22mm ² AWG24) (*2)
Safety output	: Opto coupler (NPN) Voltage 5 to 50VDC Current 100mA Max. Dark current 600nA Max. (Resistance load)		
Operating temperature	: -20 to +55°C (-4 to 131°F)		

Operation indicator table

Status	Operation indicator color	
Stand-by (Installation mode)	Yellow	
Stand-by (Operation mode)	Green	
1st row detection	Red blinking	
2nd row detection	Red	
Setting error	Red & Green blinking	
Signal saturation	Slow Green blinking	
Sensor failure	Fast Green blinking	

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

*1 : The sensor has to be connected to a door system which has a SELV circuit.

*2 : Overcurrent protection with less than 2A.

