



### 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 <b>DETECTION AREA</b>	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 <b>Operation indicator table</b>	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") ( 8×0.22mm² 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	1sec.
Stand-by (Operation mode)	Green	1sec.
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.

