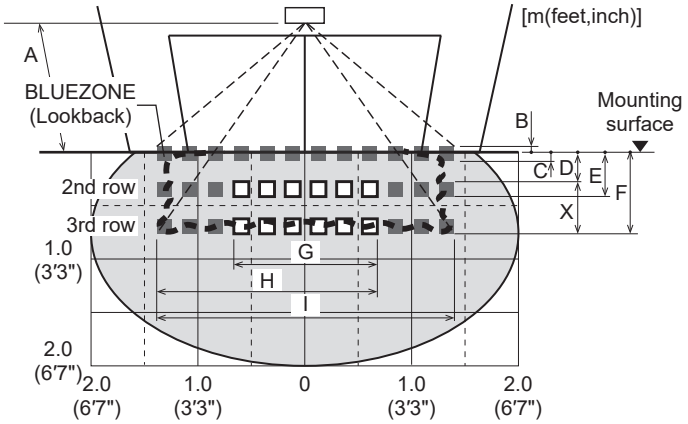


AIR

Mounting height : 2.2 m (7'3")
Angle adjustment : +6°
Sensitivity : Middle
□ : Emitting spots
■ : Emitting spots (can be eliminated)
⬚ : Detection area

Radar

Mounting height : 2.2 m (7'3")
Vertical adjustment : +35°
Sensitivity : High
Area width : Wide
Speed of detection object : 50 mm/s
⬭ : Detection area

AIR 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	0.05 (2")	0.06 (2")	0.07 (3")	0.07 (3")	0.08 (3")	0.09 (4")
C	0.07 (3")	0.08 (3")	0.09 (4")	0.10 (4")	0.11 (4")	0.12 (5")
D	0.23 (9")	0.25 (10")	0.28 (11")	0.31 (1')	0.34 (1'1")	0.39 (1'3")
E	0.35 (1'2")	0.39 (1'3")	0.44 (1'5")	0.48 (1'7")	0.53 (1'9")	0.61 (2')
F	0.59 (1'11")	0.65 (2'2")	0.74 (2'5")	0.80 (2'7")	0.89 (2'11")	1.03 (3'5")
G	1.21 (3'12")	1.33 (4'4")	1.51 (4'11")	1.63 (5'4")	1.81 (5'11")	2.11 (6'11")
H	1.86 (6'1")	2.05 (6'9")	2.32 (7'7")	2.51 (8'3")	2.79 (9'2")	3.25 (10'8")
I	2.52 (8'3")	2.78 (9'1")	3.15 (10'4")	3.40 (11'2")	3.79 (12'5")	4.42 (14'6")

AIR detection area

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

[m(feet,inch)]

A	2.00 (6'7")	2.20 (7'3")	3.00 (9'10")
X	0.23 (9")	0.25 (10")	0.34 (1'1")
G	1.02 (3'4")	1.12 (3'8")	1.53 (5')
I*	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 : 50 mm/s

The values above are those of the **AIR detection area** when tested referring to the test conditions of EN 16005.
(The emitting area is as shown in **AIR emitting area** above.)
* When installed at higher than 3.0 m(9'10"), EN 16005 requirements are fulfilled only within the area width "I" of 3.6 m(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 50 mm/s or faster than 1500 mm/s.

Model	: OAM-DUAL T
Cover color	: Black
Mounting height	: 2.0 to 3.5 m (6'7" to 11'6")
Detection area	: See **Detection area**
Detection method	: Active infrared reflection (*1)
	Microwave Doppler effect
Transmitter frequency	: 24.125 GHz
Transmitter radiated power	: < 20 dBm
Depth angle adjustment	: AIR area -6 to +6°
	Radar area +25 to +45°
Power supply (*2)	: 12 to 24 VAC ±10 % (50/60 Hz)
	12 to 30 VDC ±10 %
Power consumption	: < 2.5 W (< 4 VA at AC)
Operation indicator	: See **Operation indicator table**
Output hold time	: < 500 ms
Response time	: < 300 ms
Operating temperature	: -20 to +55°C (-4 to 131°F)
Operating humidity	: < 80 %(non-condensing)
Noise level	: < 70 dBA

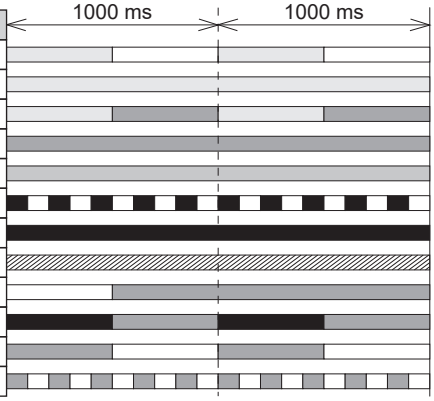
Activation output	: Form A relay 50 V 0.3 A Max.
Safety output	: Form A relay 50 V 0.3 A Max.
Test input	: Opto coupler
	Voltage 5 to 30 VDC
	Current 6 mA Max. (30 VDC)
IP rate	: IP54
Category	: See **Table 1**
Performance level	: See **Table 1**
ESPE	: Type 2
Weight	: 270 g (9.5 oz)
Accessories	: 1 Operation manual
	2 Mounting screws
	1 Mounting template
	1 Area adjustment tool
	1 Cable 3 m (9'10")(*3)

Table 1

AIR part	Cat.	2 (EN ISO13849-1:2015)
	PL	d (EN ISO13849-1:2015)

Operation indicator table

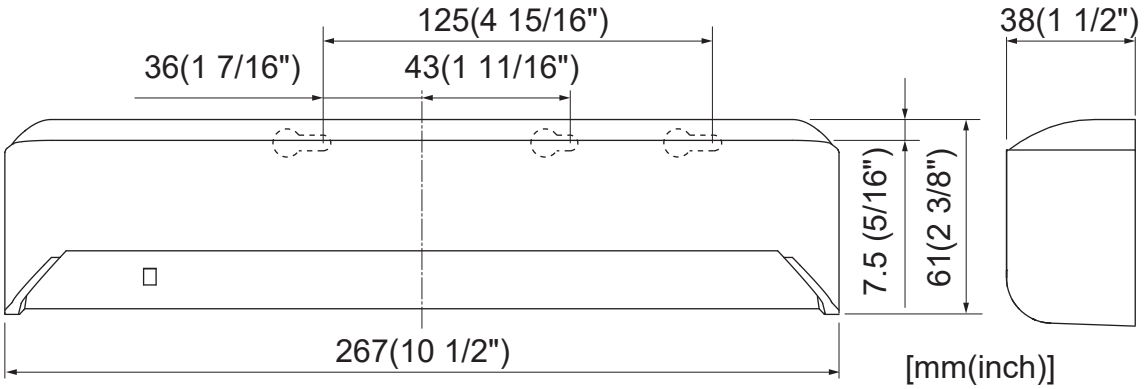
Status	Operation indicator color
Warm-up	Yellow blinking
Stand-by (Installation mode)	Yellow
Stand-by (Service mode)	Yellow & Green blinking
Stand-by (Operation mode)	Green
BLUEZONE (Lookback) detection (*4)	Blue
2nd row detection	Red blinking
3rd row detection	Red
Radar detection	Orange
Communication Test output	Turn off 500 ms (*5)
Setting error	Red & Green blinking
Signal saturation	Slow Green blinking
Sensitivity too low(or Sensor failure)	Fast Green blinking



NOTE

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

*1 : Active infrared reflection has a presence detection function.
*2 : The sensor has to be connected to a door system which has a SELV circuit.
*3 : Overcurrent protection with less than 2 A.
*4 : See **BLUEZONE (Lookback) area**
*5 : LED will be turned off approx. 500 ms when the sensor Test output signal works well.


125(4 15/16")
36(1 7/16")
43(1 11/16")
38(1 1/2")
7.5 (5/16")
61(2 3/8")
267(10 1/2")
[mm(inch)]