



**Emitting area** [ m (feet,inch) ]

A	2.00 (6'7")	2.30 (7'7")	2.50 (8'2")
B	0.13 (5")	0.16 (6")	0.17 (7")
C	0.38 (1'3")	0.46 (1'6")	0.50 (1'8")
D	0.71 (2'4")	0.86 (2'10")	0.94 (3'1")
E	0.84 (2'9")	1.01 (3'4")	1.09 (3'7")
F	1.34 (4'5")	1.62 (5'4")	1.76 (5'9")
G	1.75 (5'9")	2.11 (6'11")	2.29 (7'6")
H	0.92 (3')	1.11 (3'8")	1.20 (3'11")
I	1.49 (4'11")	1.80 (5'11")	1.95 (6'5")
J	2.06 (6'9")	2.48 (8'2")	2.69 (8'10")

Charts show the values in the following area angle adjustment settings ; Depth : 8° Width : 0°

**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")	2.30 (7'7")	2.50 (8'2")
X	0.24 (9")	0.25 (10")	0.23 (9")
H	0.85 (2'9")	0.91 (2'12")	0.96 (3'2")
J	2.01 (6'7")	2.20 (7'3")	2.44 (8')

Test conditions required by EN 16005

- Floor : Grey paper
- Detection object : EN 16005 CA reference body
- Sensitivity : High
- 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.)

**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-FLEX AIR T	Safety output	: Opto coupler (NPN) Voltage / 5 to 50VDC Current / 100mA Max. (Resistance load) Dark current / 600nA Max.
Cover color	: Silver / Black	Operating temperature:	: -20 to +55°C (-4 to 131°F)
Mounting height	: 2.0m(6'7") to 2.5m(8'2")(*1)	Operating humidity	: < 80%
Detection area	: See <b>DETECTION AREA</b>	Noise level	: < 70dBA
Detection method	: Active infrared reflection(*2)	Output hold time	: Approx. 0.5sec.
Area angle adjustment	: Depth : -8° to +8° Width : ±7° (2 clicks with 3.5° every click-Left/Right)	Response time	: < 0.3sec.
FLEX EYE angle adjustment	: Depth : -14° to +2° Width : ±42° (7 clicks with 6° every click-Left/Right)	IP rate	: IP54
Power supply (*3)	: 12 to 24VAC ±10% (50 / 60Hz) 12 to 30VDC ±10%	Category	: 2 (EN ISO 13849-1:2015)
Power consumption	: < 2.5W (< 6VA at AC)	Performance level	: d (EN ISO 13849-1:2015)
Operation indicator	: See <b>Operation indicator table</b>	ESPE	: Type2
Safety input	: Opto coupler Voltage / 5 to 30VDC Current / 6mA Max. (30VDC)	Weight	: 230g (8.1oz)
Activation output	: Form A relay 50V 0.3A Max. (Resistance load)	Accessories	: 1 Operation manual 2 Mounting screws 1 Mounting template 1 Area adjustment tool 1 Cable 3m(9'10") (8 × 0.22mm <sup>2</sup> AWG24) (*4)

**Operation indicator table**

Status	Operation indicator color	1sec.	1sec.
Set-up	Yellow Blinking		
Stand-by (Installation mode)	Yellow		
Stand-by (Operation mode)	Green		
BLUEZONE (1st row) detection (*5)	Blue		
2nd row detection	Red Blinking		
3rd row detection	Red		
4th-6th row detection	Orange		
FLEX EYE detection	Fast Purple Blinking		
FLEX EYE & 2nd-4th row detection	Purple		
Signal saturation	Slow Green Blinking		
Signal saturation (FLEX EYE)	Slow Purple Blinking		
Sensor failure	Fast Green Blinking		
Setting error	Red & Green Blinking		

- NOTE** The specifications herein are subject to change without prior notice due to improvements.
- \*1 : Installation height up to 3.0m(9'10") when no need for EN 16005 compliance.
  - \*2 : BLUEZONE (1st row), 2nd and 3rd rows have a presence detection function.
  - \*3 : When using this sensor, the sensor has to be connected to a door system which has the SELV circuit.
  - \*4 : Overcurrent protection with less than 2A.    \*5 : See **BLUEZONE AREA**

