

AIR	
Motion/Presence detection	
Mounting height	: 2.2 m
Angle adjustment	: +6°
Sensitivity	: Middle
□	: Emitting spots
■	: Emitting spots (can be eliminated)
■ ■ ■	: Detection area

Microwave	
Motion detection	
Mounting height	: 2.2 m
Vertical adjustment	: +35°
Sensitivity	: High
Area width	: Wide
Speed of detection	: 50 mm/s object
○	: Detection area (Wide area)
○	: Detection area (Narrow area)

AIR emitting area

The chart shows the values at depth angle +6°



















	[m]					
A	2.00	2.20	2.50	2.70	3.00	3.50
B	0.05	0.06	0.07	0.074	0.08	0.09
C	0.07	0.08	0.09	0.10	0.11	0.12
D	0.23	0.25	0.28	0.31	0.34	0.39
E	0.35	0.39	0.44	0.48	0.53	0.61
F	0.59	0.65	0.74	0.80	0.89	1.03
G	1.21	1.33	1.51	1.63	1.81	2.11
H	1.86	2.05	2.32	2.51	2.79	3.25
I	2.52	2.78	3.15	3.40	3.79	4.42

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	: X-ZONE	Operating temperature	: -20 to +55°C
Cover color	: Black	Operating humidity	: < 80%
Mounting height	: 2.0 to 3.5 m	Activation output	: Form C relay
Detection area	: See Detection area		50 V 0.3 A Max.(Resistance load)
Detection method	: Active infrared reflection (*1)	Safety output	: Form C relay
	Microwave doppler effect		50 V 0.3 A Max.(Resistance load)
Depth angle adjustment	: AIR area -6° to +6°	IP rate	: IP54
	Microwave area +25° to +45°	Weight	: 320 g
Power supply	: 12 to 24 VAC ±10% (50/60 Hz)	Accessories	: 1 Operation manual
	12 to 30 VDC ±10%		2 Mounting screws
Power consumption	: < 2.5 W (< 4 VA at AC)		1 Mounting template
Operation indicator	: See Operation indicator table		1 Area adjustment tool
Output hold time	: < 1.0 s		1 Cable (3 m)
Response time	: < 0.3 s		1 Narrow lens

Operation indicator table

Status	Operation indicator color	1000 ms	1000 ms
Set-up	Yellow blinking		
Stand-by (Installation mode)	Yellow		
Stand-by (Operation mode)	Green		
BLUEZONE (1st row) detection (*2)	Blue		
2nd row detection	Red blinking		
3rd row detection	Red		
Microwave detection	Orange		
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 : Active infrared reflection has a presence detection function.

*2 : See **BLUEZONE** area.

