OPTEX
Sensing Innovation

BLUEZONE TECHNOLOGY

X-ZONE T

Combined Active Infrared and Microwave Door Sensor

Optimized Safety and Reliability

The OPTEX X-Zone T Sensor is an Infrared and Microwave Combination Sensor designed for Sliding Doors. Its exclusive BlueZone™ feature offers presence detection in the threshold when the door is in the open position. Having the ability to detect in the threshold dramatically increases the level of safety that can be achieved. This sensor is perfect for slide door applications where the balance between safety and performance is paramount. Keep them safe with the X-Zone T from OPTEX.

www.optexamerica.com

BLUEZONE®

X-ZONE T

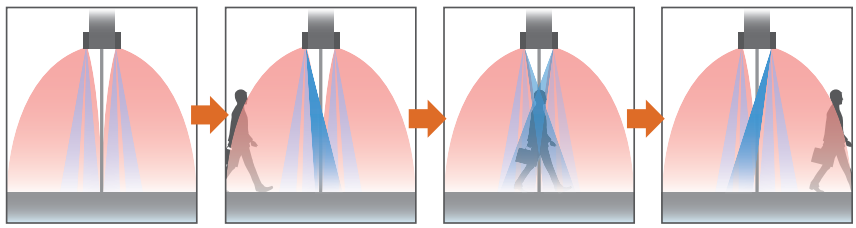
Features & Benefits

Directional Detection

The X-Zone T can be adjusted to ignore traffoc moving away from the sensor and reset more quickly. This allows the door to close sooner, reducing airflow between environmentally-controlled areas and the outdoors. This feature will save your customer money over the life of the sensor. Reduce power consumption and protect the environment with the X-Zone T from OPTEX.

Built-in Monitoring

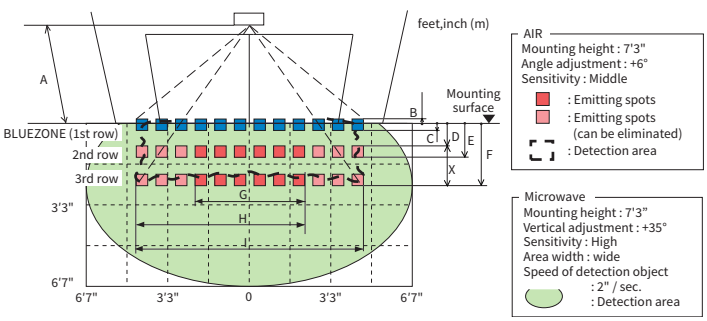
The X-ZoneT monitors all its critical functions and notifies compatible controls when an error occurs. Self-monitoring capability ensures a higher level of performance over the life of the sensor.



BlueZone True Threshold Safety

When a person is detected, the door is activated and Blue-Zone, our exclusive threshold look-through technology, becomes active. As long as someone is in the detection area, the sensor will keep the door open. Once the area is cleared, the BlueZone will ignore the door panels and allow the doors to safely close.

Detection Area

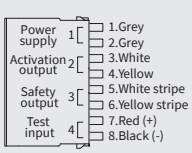


AIR emitting area

The chart shows the values at depth angle +6°

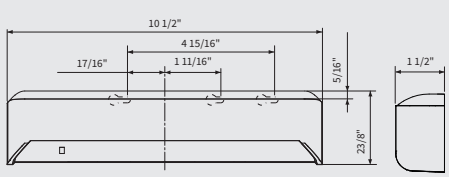
A	6' 7"	7' 3"	8' 2"	8'10"	9'10"	11'6"
B	2"	2"	3"	3"	3"	4"
C	3"	3"	4"	4"	4"	5"
D	9"	10"	11"	1'	1' 1"	1' 3"
E	1' 2"	1' 3"	1' 5"	1' 7"	1' 9"	2'
F	1'11"	2' 2"	2' 5"	2' 7"	2'11"	3' 5"
G	3'12"	4' 4"	4'11"	5' 4"	5'11"	6'11"
H	6' 1"	6' 9"	7' 7"	8' 3"	9' 2"	10'8"
I	8' 3"	9' 1"	10'4"	11'2"	12'5"	14'6"

Activation/Safety Test Output



1	12 to 24 VAC±10% / 12 to 30 VDC±10%
2	Form A relay 50 V 0.3 A Max.
3	Form A relay 50 V 0.3 A Max.
4	Opto coupler / Voltage : 5 to 30 VDC

Dimensions



Specifications

Model	X-ZONE T
Cover colors	Black (Default)/Mirror/Silver/White available
Mounting height	6'7" to 11'6"
Detection method	Active infrared reflection (AIR) & Microwave Doppler Effect
Detection angle adjustment	AIR area –6° to +6°; Microwave area +25° to +45°
Power supply	12 to 24 VAC ±10% (50/60 Hz); 12 to 30 VDC ±10%
Power consumption	<2.5W (<4 VA at AC)
Output hold time	<0.5 sec.
Response time	<0.3 sec.
Operating temperature	–31 to 131°F
Operating humidity	<80%
Activation output	Form A relay 50V 0.3 Max. (Resistance load)
Test input	Opto coupler Voltage 5 to 30 VDC Current 6mA Max. (30VDC)
Safety output	Form A relay 50 V 0.3 A Max. (Resistance load)
Weight	9.5 oz.
Accessories	1 operation manual; 2 mounting screws; 1 mounting template; 1 area adjustment tool; 1 cable (9'10")

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