

REACTION TWO

**Microwave Sensor for
All Types of Automatic Doors**

Fast detection and increased efficiency



The OPTeX Reaction Two microwave sensor is specially designed to increase efficiency on opening all types of automatic doors. The OPTeX microwave provides fast detection for all automatic door installations and particularly for applications with highspeed entries. The Reaction Two is the most flexible microwave activation sensor available today.

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Features & Benefits

Versatility in Swing Door Activation

The Reaction Two includes a uni-directional detection option and can be surface mounted on the door header or the ceiling. This allows the sensor to be used with center pivoted or surface applied operators and in one way traffic or two way traffic applications. An optional recessed ceiling mount is available if desired. Note: When mounting the Reaction on the swing side of the door the sensor must be located past the swing path of the door.

Uni-directional Setting

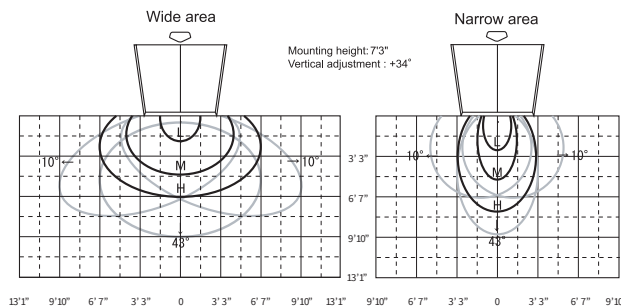
The Reaction Two is equipped with a dipswitch for Unidirectional or Bi-directional mode. In Bi-directional mode the sensor will detect motion either towards or away from the sensor and open the door. In Unidirectional mode the sensor will only detect when movement is towards the sensor. This allows for the door to close more quickly and saves energy by reducing airflow.

Auto-Caution Mode

Auto-Caution mode gives a higher level of sensitivity when people linger in the detection area. In conjunction with Uni-Directional mode, it provides high safety with maximum efficiency.

Detection Area

The OPTEX Reaction Two microwave offers a narrow or wide detection area that makes it suitable for all types of installations. The narrow setting is easy to set by just clicking the narrow lens on to the radar module. By turning the module left or right and tilting it up and down the microwave can be adjusted quickly and simply for many different applications. No external set-up device is needed.



Sensitivity Potentiometer	WIDE AREA		NARROW AREA	
	Width	Depth	Width	Depth
High	13' 2"	6' 7"	6' 7"	7' 7"
Mid	8' 6"	4' 11"	3' 3"	5' 3"
Low	6' 7"	1' 12"	1' 12"	2' 7"

* The values are for reference and are not guaranteed.

* Area position may differ according to the size, material, and/or entry speed of the object and the installation environment. For example, when the material of the door, floor and surrounding wall is metallic, the area may be larger.

Specifications

Model	REACTION TWO
Cover color	Black/Silver
Mounting height	6' 7" to 11' 5"
Detection method	Microwave doppler effect
Vertical adjustment	+10° to +70° (header mount); +20° to +80° (ceiling mount)
Horizontal adjustment	30° to left or right
Power supply	12 to 24VAC (±10%); 12 to 30VDC (±10%)
Power consumption	<1.5W (<2VA at AC)
Minimum speed	1 15/16" per second
Output	Form C relay 50V 0.3 Max. (resistance load)
Output hold time	2.0 sec. to 4.0 sec.
Response time	<0.3 sec.
Operating temp./humidity	-4° F to +131° F / <80%
Weight	4.9 oz.
Accessories	1 cable 9' 10"; 1 operation manual; 2 mounting screws; 1 mounting template; 1 narrow lens

Dimensions

