

# OAM-EXPLORER

**Combination Active Infrared and Microwave Sensor**

*for Industrial Door Applications*



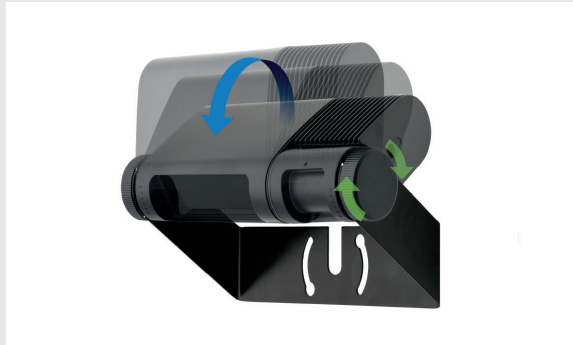
For use in Industrial Door applications, the OPTEX OAM-EXPLORER is both an activation and supplementary safety sensor that improves the safety and efficiency of Industrial Doors. The OAM-EXPLORER uses a large microwave detection area for activation, and infrared technology for safety around the threshold. The sensor can control external devices such as warning lights or alarms in order to warn vehicles and pedestrians on the opposite side of the door. Configuration and fine-tuning can be done via a smart phone app, which means fewer trips up and down a ladder for installers.

[www.optexamerica.com](http://www.optexamerica.com)

## Features & Benefits

### Superior usability and efficiency

The OAM-EXPLORER was designed with an eye for simplicity and absolute attention to detail. Installation and adjustment time has been minimized. The new screwless design allows for smooth independent angle setting. Compared with conventional industrial door sensors, total installation time is reduced by approximately half.



### Optimal Installation Flow

Once the OAM-EXPLORER is installed, configuration and the fine tuning are done via the smart phone app. By registering your favorite settings, this feature can also be used in facilities that have multiple industrial doors, or in different facilities. Less time climbing ladders saves installation time and makes for a safer work environment.

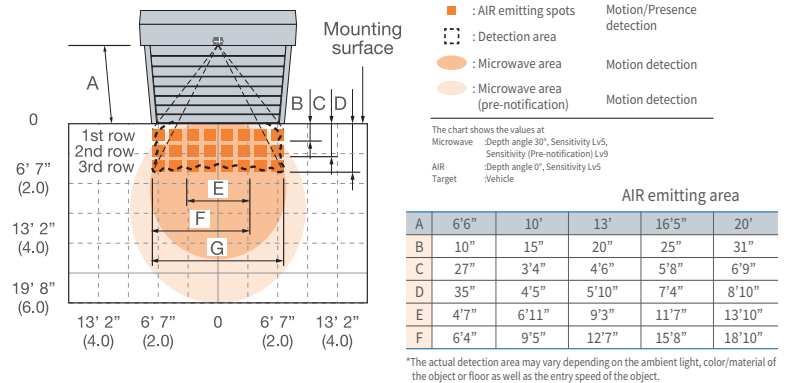


Find us in

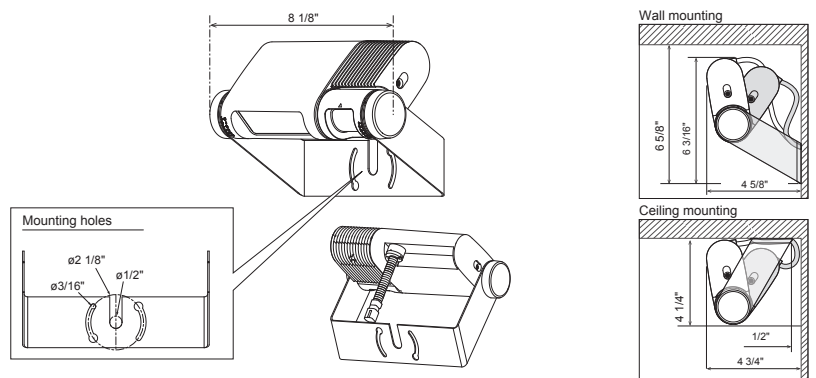
**MasterSpec®**

Powered by Deltek Specpoint®

## Detection Area



## Dimensions



## Specifications

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| Mounting height            | 6'7" to 19'8"                                                                |
| Detection method           | Active infrared reflection (AIR); Microwave doppler effect                   |
| Transmitter frequency      | 24.2GHz                                                                      |
| Transmitter radiated power | < 12.7dBm                                                                    |
| Depth angle adjustment     | Microwave area: 0° to +50°; AIR area: -15° to +40°                           |
| Power supply               | 12 to 24 VAC ±10% (50/60 Hz); 12 to 30 VDC ±10%                              |
| Power consumption          | <3.5W (<5.0 VA at AC)                                                        |
| Output hold time           | Approx. 0.5 sec. (selectable via app.)                                       |
| Response time              | < 0.3 sec. (selectable via app.)                                             |
| Operating temperature      | -31 to 131°F                                                                 |
| Operating humidity         | <80%                                                                         |
| Communication method       | Bluetooth LE (Ver. 4.0)                                                      |
| Activation output          | Form B relay 50 V 0.3 A Max. (Resistance load)                               |
| Supplemental safety output | Form B relay 50 V 0.3 A Max. (Resistance load)                               |
| AUX output                 | Form B relay 50 V 0.3 A Max. (Resistance load)                               |
| Protection degree          | IP65 / NEMA4                                                                 |
| Weight                     | 21.2 oz.                                                                     |
| Accessories                | 1 Operation Manual; 2 mounting screws; 1 mounting template; 1 cable (32'10") |

Innovative | Responsive | Partnership Focused | Universally Compatible

