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# SLIDING DOORS

Sensor solutions for sliding doors

# Icons

Optex is the preferred supplier for Entrance detection systems. Our portfolio includes safety and activation solutions for automatic Swing, Sliding, and Revolving doors, as well as products for Secured Entry and Industrial door applications.

## Proven technologies, trusted solutions

Please contact us for more information

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MICROWAVE TECHNOLOGY



INFRARED TECHNOLOGY



INFRARED TECHNOLOGY & LOOKBACK



DUAL TECHNOLOGY

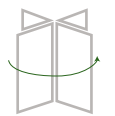


LASER TECHNOLOGY

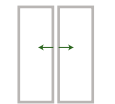


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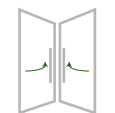
REVOLVING DOOR



SLIDING DOOR



SWING DOOR



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VERY LITTLE TRAFFIC



AVERAGE AMOUNT OF TRAFFIC



A LOT OF TRAFFIC



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MOUNTING HEIGHT



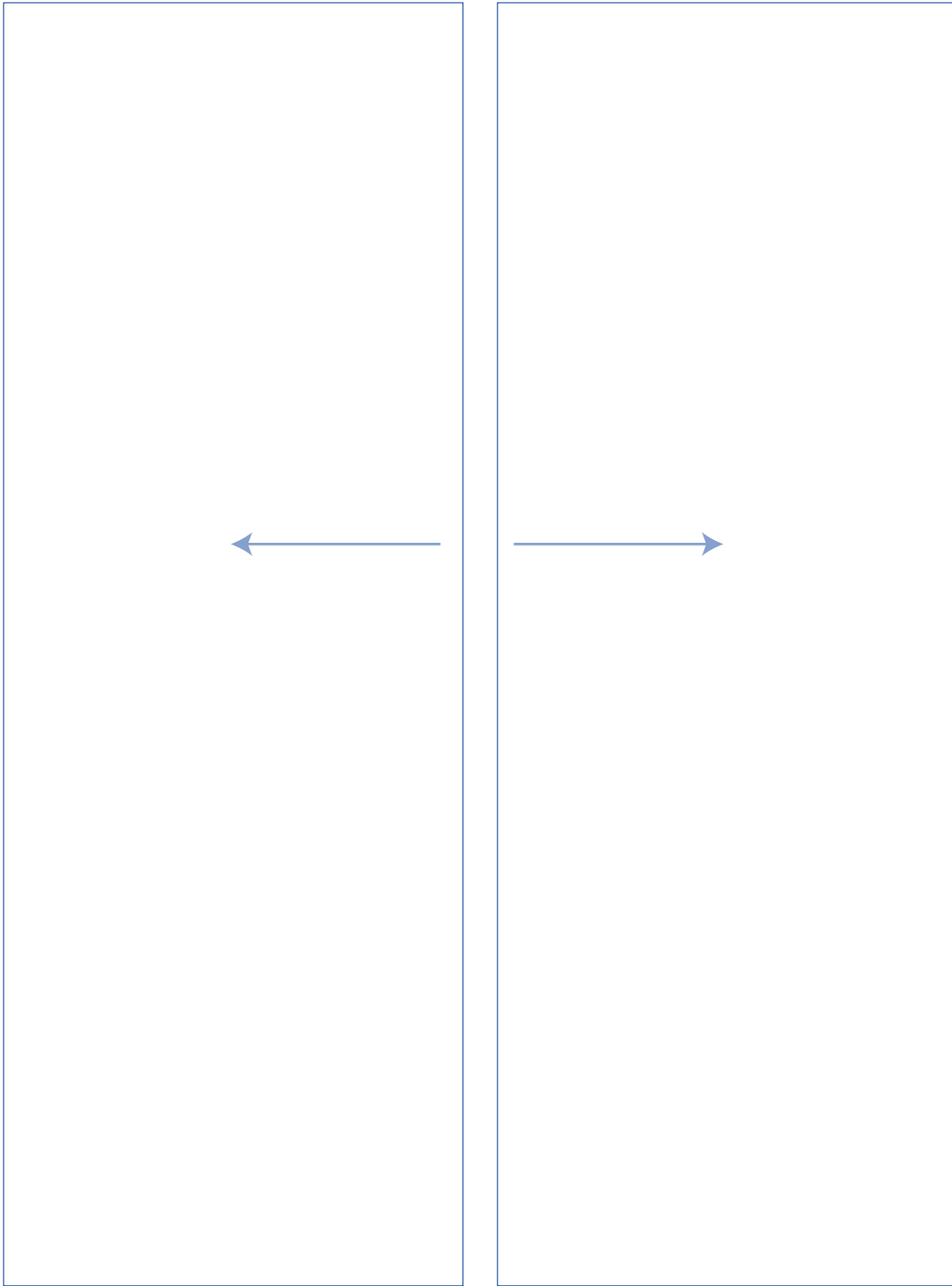
INFRARED FINDER



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ENERGY SAVING





# RANGE OF SLIDING DOOR SENSORS

OAM-DUAL T **P7**

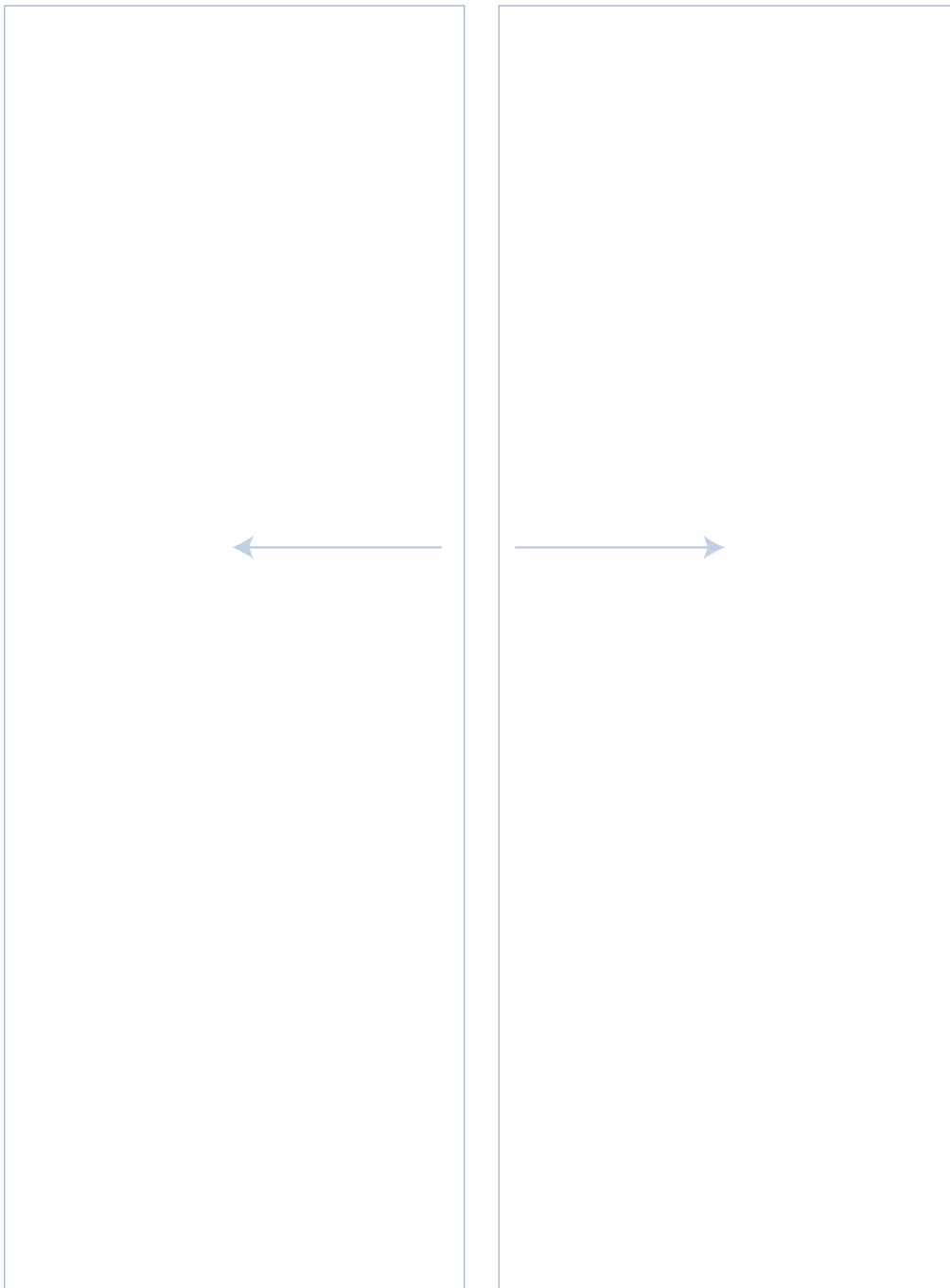
OA-AXIST **P9**

OA-FLEX T (AIR) **P11**

OA-PRESENCE T (N) **P13**

OM-106 **P15**





# OAM-DUAL T



The OAM-Dual series provide **safety around the door and through the threshold** yet at the same time the redundant microwave guarantees a **comfortable opening** of the door at all times.

## PERFORMANCE

### Motion detection

The large **microwave motion detection area** provides fast detection for any traffic, approaching from any angle, which allows the door to open fast and conveniently.

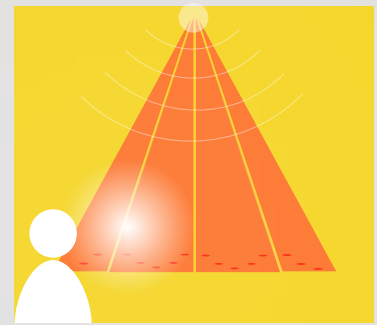
The **presence and motion detection areas** can be adjusted independently. By selecting a dipswitch the active infrared detection area can be set to safety only or to safety and activation.

### Look back

The OAM-Dual provides an **extra row of presence detection** that looks into the threshold for **additional safety**. This row will be automatically shut off when the complete presence detection area is cleared and as soon as the doors start to close. The installation of **safety beams is no longer mandatory**.

### Highlights

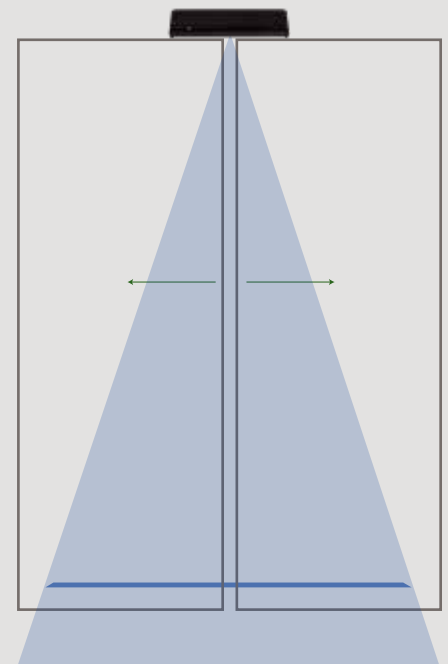
- safety/lookback function
- switches & shutters for easy installation
- uni directional function
- energy saving
- EN 16005 approved



DUAL TECHNOLOGY



## PLACEMENT OF THE SENSOR



" A speedy, hassle free access makes for happy customers"



A speedy, hassle free access for by people, by people



"The Optex mission is simply to help our customers face their individual challenges, while our goal is to invent a better future for the people of the world"



# OA-AXIS T



The OA-Axis series is developed as a combination sensor for threshold safety and activation. Due to its variety in output options the OA-Axis series meets the requirements in various markets.

## PERFORMANCE

### Combination

The Optex OA-Axis series is **purely based on active infrared technique**, combining activation and safety into one sensor. By using the unique Optex presence detection technique the OA-Axis series provides **maximum safety around the threshold** and offers at the same time a large motion detection area for door activation.

### Variety

By offering different types of output contacts the OA-Axis series meets the requirements and local standards in many different markets.

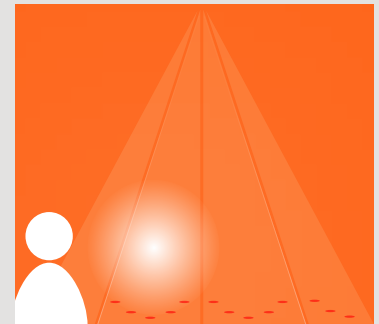
**OA-Axis I** one relay output for activation and safety

**OA-Axis II** one relay for safety and a second relay for motion/activation

**OA-Axis T** one relay for motion and activation and an Opto coupler (NPN) in/output for safety

### Highlights

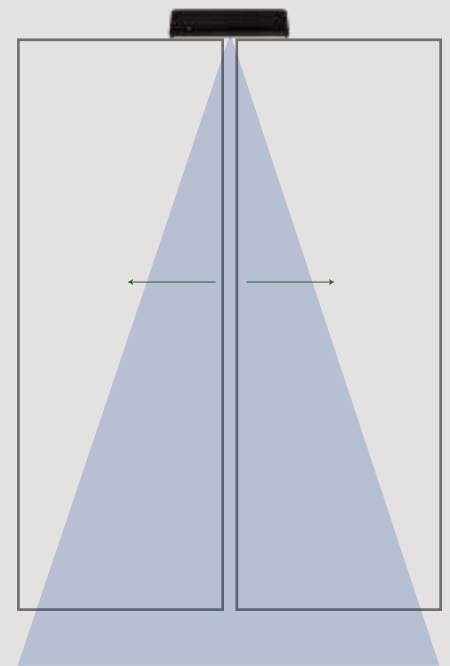
- AIR only
- safety beams are no longer mandatory
- easy adjustment
- EN 16005 approved



AIR TECHNOLOGY



## SENSOR POSITION



# OA-FLEX T (AIR)



The Optex OA-Flex AIR T is based on the Optex full AIR technology and combines activation and safety. In addition this sensor is equipped with a "spot" activation area making the sensor applicable as a **virtual push button**. The unique "bluezone" lookback function offers additional safety in the threshold.

## PERFORMANCE

### Push button functionality

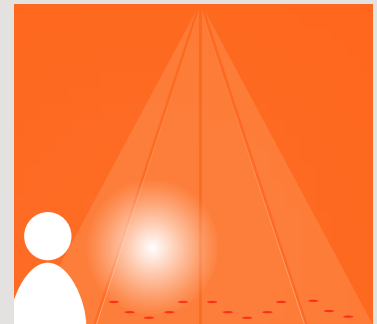
The special OA-Flex AIR T version offers one narrow activation zone. By marking a zone on the doors or the wall the narrow zone can be used as a **virtual touchless switch** for activating the doors.

### Look back

The presence detection area in the OA-Flex AIR T consist of three rows, two rows in front of the door and one, additional bluezone, row that looks into the threshold. As soon **as the doors start to open the bluezone becomes active** and adding an additional row of active infrared. All three rows will be active when someone or something is within the threshold area as long as the presence timer is set. When the area is safe the doors will start to close again. **The bluezone recognizes the door movement and will automatically shut off.**

### Highlights

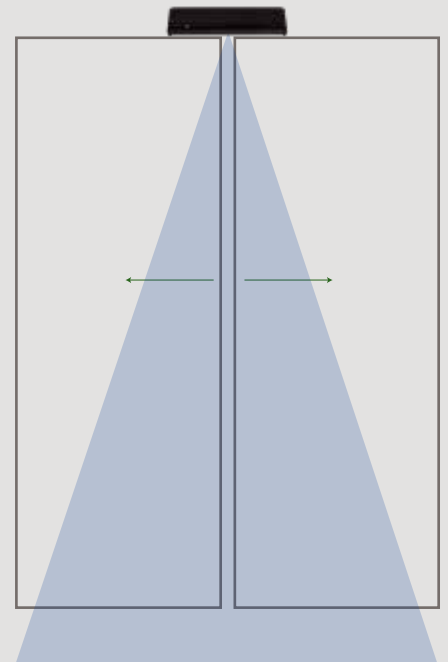
- safety/lookback function
- virtual push button, ideal for application in hospitals and restaurant kitchens
- EN 16005 approved



AIR TECHNOLOGY



## SENSOR POSITION



# OA-PRESENCE TN



The Optex OA-Presence TN is designed to create optimum safety around sliding doors and enables you to install a maximum of **threshold- and side screen safety**. When using this sensor for threshold safety, the use of **safety beams** is no longer mandatory.

## PERFORMANCE

### Side screen safety

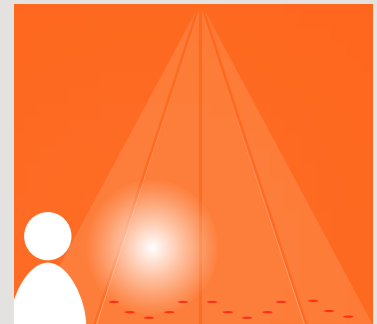
The OA-Presence TN can be used as a **side screen safety sensor**. By installing the sensor at the rear end of the door the OA-Presence TN will secure the side screen area and **prevent the doors from hitting someone** or something during the opening cycle of the door.

### Threshold safety

The Optex OA-Presence TN is the **ideal sensor for threshold safety** used in combination with **external activators** like push buttons, security systems or any kind of activation sensor. By using the OA-Presence TN **the threshold is completely secured** and prevents the door from closing when in the open position, or let the doors re-open during the closing cycle.

### Highlights

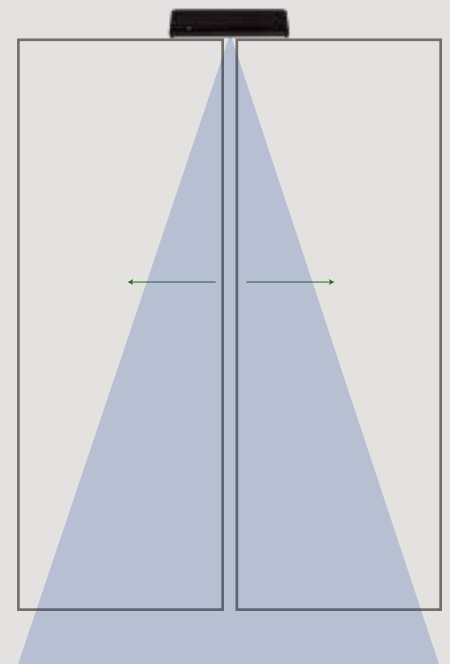
- threshold and side screen safety
- easy installation
- recessed mount
- EN 16005 approved



AIR TECHNOLOGY



## SENSOR POSITION



# OM-106



The OAM-Dual series provide **safety around the door and through the threshold** yet at the same time the redundant microwave guarantees a **comfortable opening** of the door at all times.

## PERFORMANCE

### Motion detection

The large **microwave motion detection area** provides fast detection for any traffic, approaching from any angle, which allows the door to open fast and conveniently.

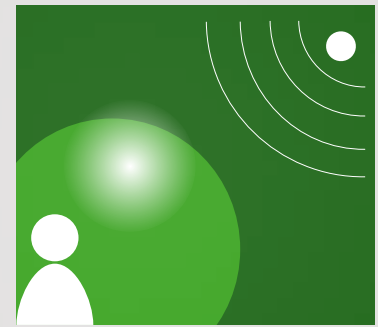
The **presence and motion detection areas** can be adjusted independently. By selecting a dipswitch the active infrared detection area can be set to safety only or to safety and activation.

### Look back

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### Highlights

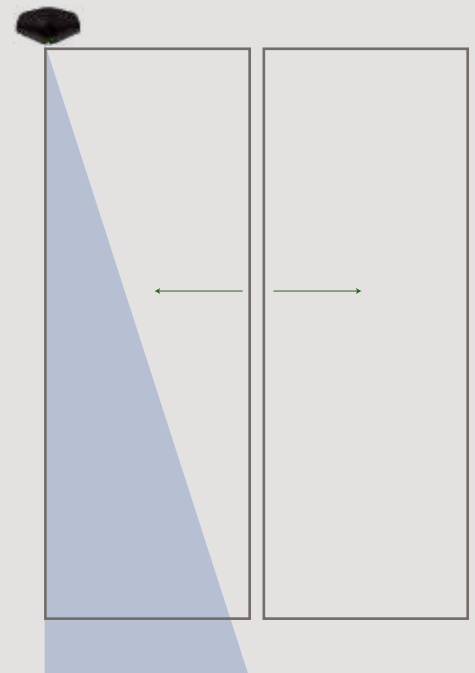
- safety/lookback function
- switches & shutters for easy installation
- uni directional function
- energy saving
- EN 16005 approved



MICROWAVE TECHNOLOGY



## SENSOR POSITION



A speedy, hassle free access for by people, by people



"The Optex mission is simply to help our customers face their individual challenges, while our goal is to invent a better future for the people of the world"

A speedy, hassle free access for by people, by people



"A key part concerning OPTEX's mission is also to build a comprehensive global network of offices. This will of course enable quick and professional delivery of our products and services, and it will also bring us closer to our customers, allowing us to more fully understand the specific needs of each region."

A speedy, hassle free access for by people, by people



"At OPTeX, we are understandably proud of our innovation, responsiveness to customers and commitment to future development using sensing technologies."

## A speedy, hassle free access for by people, by people



"In essence, we are nurturing a synergy with customers, using our extensive experience to uncover latent needs and develop new applications for advanced sensing technologies. This requires technical expertise, coupled with sensitivity, creativity, and a determination to push beyond existing limitations."



A speedy, hassle free access for by people, by people



"Creating reliable products to gain our customers' trust in every situation is our first duty. However, we are not simply a product manufacturer. We believe in leading the market and are constantly working to identify needs that our customers themselves may not even be fully aware of."