

# Active infrared **Door Sensor**

**OA-PresenceT**



Reliable  
Easy installation  
Quality  
Infinity  
Threshold safety  
Advanced  
Active infrared  
presence detection  
**Safety**  
Side screen safety  
Flexible  
Certified  
Monitored  
Sensitivity

The Optex OA-Presence T is designed to create an optimum safety around sliding doors. When using this sensor for threshold safety the use of safety beams is no longer mandatory. The OA-Presence T enables you to install a maximum of threshold and side screen safety in compliance with DIN18650. This sensor is tested and approved by the German test organization TÜV.

### Side screen safety

The OA-Presence T can be used as a side screen safety sensor. By installing the sensor at the rear end of the door the OA-Presence T 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 T 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 T the threshold is completely secured and prevents the door from closing when it is open or during the closing cycle.

### Presence detection

The active infrared presence detection of the OA-Presence T can be set very accurately and moved 5° towards or away from the door. When used as a threshold safety sensor the installation of safety beams is no longer mandatory. The sensor detects a person or object and holds the door open as long as they are in the threshold area, even if they stop or pause. The Optex OA-Presence T is tested and approved by the German test organization TÜV and in compliance with the DIN18650, the preliminary European norm EN16005.

### Recessed mount

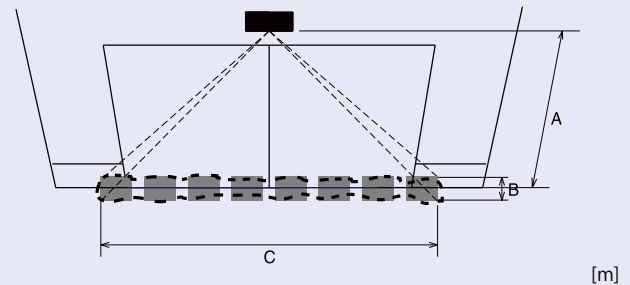
By installing the OA-Presence T on an mounting bracket (to be supplied by the door manufacturer) it is easy to integrate the sensor into the header of the door operator. The sensor is accessible from the bottom so installation and settings can be made without removing the operator's cover.

## Active infrared Door Sensor

### Specifications

Model	OA-Presence T
Cover colour	Black / silver
Mounting height	2.0 m to 3.0 m (6'7" to 9'10")
Detection area	See detection area chart
Detection method	Active infrared reflection
Depth angle adjustment	-5° to +5°
Power supply	12 - 24V AC (±10%) 12 - 30V DC (±10%)
Power consumption	<2 W (< 3VA at AC)
Operation LED	Green / stand-by Red / detection active
Safety/Test output	Opto coupler (NPN) Voltage / 5 to 50 VDC Current / 100 mA Max. Dark current / 600nA Max. (resistance load)
Test input	Opto coupler Voltage / 5 to 30 VDC Current / 6mA Max. (30VDC) Approx. 0.5 sec.
Output hold time	<0.3 sec.
Response time	<0.3 sec.
Operating temperature	-20° C - +55° C (-4° F - +131° F)
Operating humidity	<80%
IP rate	IP54
Category	2 (EN ISO13849-1 : 2008)
Performance level	d (EN ISO13849-1 : 2008)
Weight	260g
Accessories	1 Operation manual 2 Mounting screws 1 Mounting template 1 Cable 3 m(9'10") (6 x 0.14mm <sup>2</sup> AWG26 / Overcurrent protection with less than 2A)

### Detection area chart



Mounting height A	2.20	2.50	2.70	3.00
Area depth B	0.40	0.45	0.48	0.53
Area width C	2.86	3.25	3.51	3.90

The actual detection area may differ according to the size/material/entry speed of the object and the installation environment.

# OPTEX CO.,LTD.

5-8-12 ogoto Otsu, 520-0101 Japan  
 TEL : +81-77-579-8700 FAX : +81-77-579-7030  
 WEBSITE : www.optex.co.jp/as/eng/