

OA-4500

Active infrared industrial door sensor



QUALITÉ SUPERIEURE
ENTWICKELUNG

LANG

MEDIO AMBIENTE

CARE OF THE LOWEST
FAILURE RATE IN THE MARKET

The Optex OA-4500 is the new active infrared industrial door sensor standard for use on doors up to a mounting height of 4,5 meter. It was developed as a combination sensor for safety and activation; the active infrared presence detection protects against early closing of the door while the activation area activates the door when entering the detection area.

This sensor meets market requirements in a variety of industrial door applications.

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COMBINATION

The Optex OA-4500 is based on active infrared technique, combining activation and safety into one sensor. By using the unique Optex presence detection technique the OA-4500 provides maximum safety around the threshold of an industrial door and offers, at the same time, a large motion detection area for door activation.

SAFETY

The active infrared presence detection of the OA-4500 can be set very accurately and can be moved 6° towards or away from the door. The sensor detects a person or object and holds the door open as long as they are in or near the threshold area, even if they stop or pause.

MOTION DETECTION

The large detection area provides fast detection for any traffic, including trucks, approaching from any angle. The sensors enhanced pattern depth enables it to detect people and objects farther away and allows the door to open conveniently for them. The presence and motion detection areas can be adjusted independently.

EASY ADJUSTMENT

Installation time can be reduced to a minimum by using easily set switches and trimmers, therefore the sensor can be quickly adjusted for many different applications. To adjust the presence detection area the use of an Optex Infrared finder is recommended.

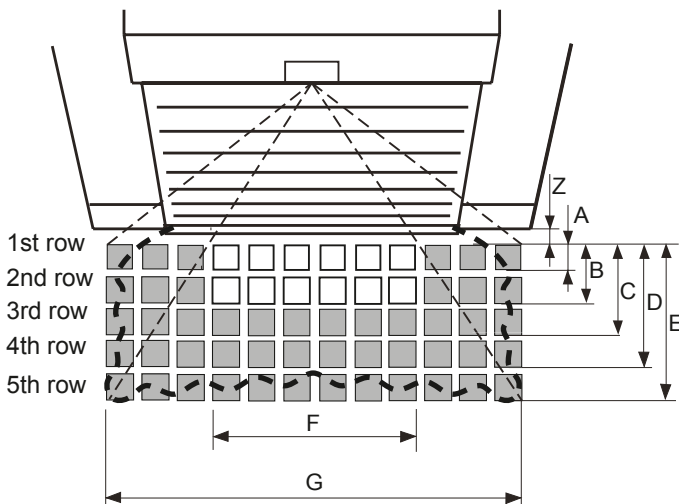
QUALITY

Optex automatic door sensors guarantee premium performance and include a 3-year full replacement warranty.

SPECIFICATIONS

Model	OA-4500
Colour	Black / silver
Mounting height	2.5 m (8'2") to 4.5 m (14'9")
Detection area	See detection area
Detection method	Active infrared reflection method (all presence detection)
Depth adjustment	4th and 5th rows: +26° to +44° 1st to 3rd rows -6° to +6°
Power supply	12 to 24V AC/DC
Power consumption	<100mA (at DC24V)
Operation indicator	Green: stand-by Red: 1st row detection Orange: 2nd to 5th rows detection
Output	1st & 2nd rows N.C./N.O. selectable 50V0.3A max. (resistance load) 3rd to 5th rows N.C./N.O. selectable 50V0.3A max. (resistance load)
Relay hold time	Approx. 0.5 sec.
Operating temperature	-20°C - +55°C (-4°F - +131°F)
Weight	320 g
Accessories	Operation manual, mounting screws, mounting template, area adjustment tool, cable 4 m

DETECTION AREA



Mounting height	3,000 (9'10")	3,500 (11'6")	4,000 (13'2")	4,500 (14'9")
Area depth A	200 (8")	230 (9")	260 (10")	290 (11")
Area depth B	580 (1'11")	670 (2'22")	760 (2'6")	850 (2'9")
Area depth C	1,100 (3'7")	1,300 (4'3")	1,480 (4'11")	1,660 (5'5")
Area depth D	1,850 (6'1")	2,160 (7'1")	2,460 (8'1")	2,760 (9'1")
Area depth E	2,600 (8'6")	3,030 (9'11")	3,460 (11'4")	3,890 (12'9")
Areawidth F	1,810 (5'11")	2,110 (6'11")	2,400 (7'11")	2,700 (8'10")
Area width G	3,790 (12'5")	4,420 (14'6")	5,050 (16'7")	5,680 (18'8")
Area depth Z	300 (12")	350 (1'2")	400 (1'4")	450 (1'6")