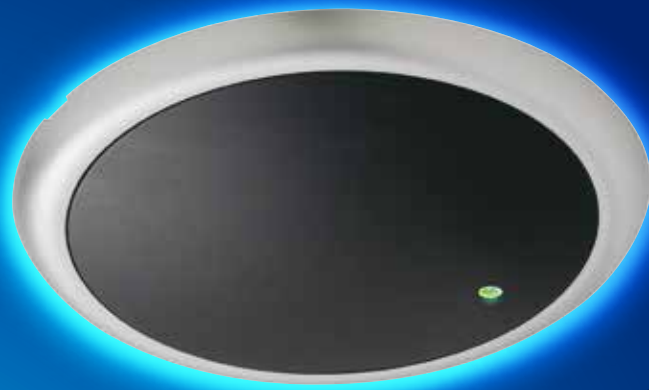


# Active Infrared Door Sensor



# OA-72C



## Ceiling mount door sensor

The Optex OA-72C active infrared door sensor is specially designed for discreet ceiling installation.

It performs well as activation and safety for any type of automatic door, and its large pattern can easily be adjusted to different door configurations.

## Safety Detection Area



The first two active infrared rows near the door provide presence detection, which holds the door open as long as a person or object is in the pattern, even if they stop or pause. The presence detection timer can be set to maximum 600 seconds. Its large detection area can be set very precisely and easy by dip switches and levers to line up with doors and other sensor patterns, providing maximum safety.

## High Mount Up to 4 m

The Optex OA-72C is perfect for installation in areas where attractive appearance is important. The sensor can be mounted up to 4 m high, making it vandalism resistant.

## All Conditions

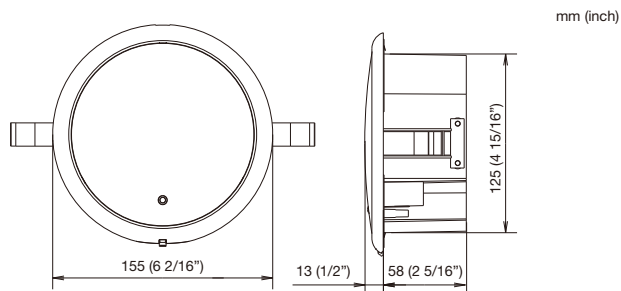
The sensor's advanced signal processing circuit allows it to operate reliably in many different applications and even harsh weather conditions. The large detection area can be adjusted to customize the pattern for either activation or safety applications on any type of automatic door.

## Specifications

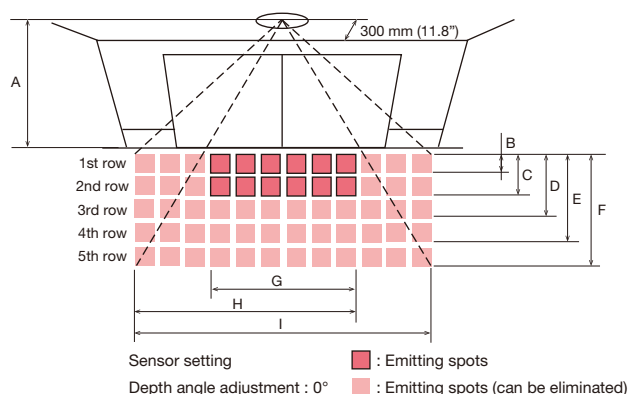
Model	OA-72C
Cover color	Silver
Mounting height	2.0 (6'7") to 4.0 m (13'1")
Detection area adjustments	Depth -15 to 10° Width -10 to +10°
Detection method	Active infrared reflection
Power supply	12 to 24 VAC (±10%) 12 to 30 VDC (±10%)
Power consumption	< 1.5 w (< 5 VA at AC)
LED Operating indicator	Green / stand-by Red / 1st row detection Orange / 2nd to 5th rows detection
Output	Form C relay 50 V 0.3 A max. (resistance load)
Relay hold time	Approx. 0.5 sec.
Response time	< 0.3 sec.
Operating temperature	-20 to +55°C (-4 to 131°F)
Dimensions	ø 155 mm, 66.5 mm (h)
Weight	320 g (11.2 oz)
Accessories	1 3 m (9'10") Connection cable 1 Mounting template
Option	Ivory surface mount cover

The recommended mounting position is 300 mm away from the door.  
\* When the mounting height is 4.0 m, set the mounting position more than 300 mm away from the door.

## Dimensions



## Detection Area

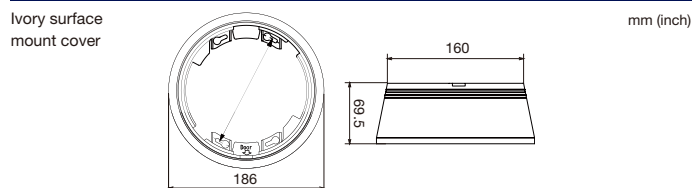


	2.20 (7'3")	2.50 (8'2")	3.00 (9'10")	3.50 (11'6")	4.00 (13'1")
A	2.20 (7'3")	2.50 (8'2")	3.00 (9'10")	3.50 (11'6")	4.00 (13'1")
B	0.13 (5.1")	0.15 (5.9")	0.18 (7.1")	0.21 (8.3")	0.24 (9.4")
C	0.37 (1'3")	0.43 (1'5")	0.51 (1'8")	0.60 (1'12")	0.69 (2'3")
D	0.63 (2'1")	0.72 (2'4")	0.87 (2'10")	1.01 (3'4")	1.16 (3'10")
E	0.93 (3'1")	1.06 (3'6")	1.28 (4'2")	1.49 (4'11")	1.71 (5'7")
F	1.24 (4'1")	1.41 (4'8")	1.70 (5'7")	1.98 (6'6")	2.26 (7'5")
G	1.08 (3'7")	1.24 (4'1")	1.48 (4'10")	1.73 (5'8")	1.98 (6'6")
H	1.65 (5'5")	1.88 (6'2")	2.25 (7'5")	2.63 (8'8")	3.00 (9'10")
I	2.25 (7'5")	2.57 (8'5")	3.08 (10'1")	3.59 (11'9")	4.10 (13'5")

Unit: m (feet,inch)

The actual detection area may become smaller depending on the ambient light, the color/material of the object or the floor as well as the entry speed of the object.

## Option



Manufacturer / Asia sales Div.

### OPTEX CO.,LTD.

5-8-12 Ogoto Otsu Shiga 520-0101 Japan  
TEL.: +81-77-579-8360 FAX.: +81-77-579-8190

### Asia Sales Div.

TEL.: +81-77-579-8030 FAX.: +81-77-579-8136  
WEBSITE: www.optex.co.jp/as/eng/index.html

North and South American Subsidiary

### OPTEX INCORPORATED. AMERICAS HEADQUARTERS

18730 South Wilmington Ave. Suite 100 Rancho Dominguez, CA 90220 U.S.A.  
TOLL-FREE: 800 877 6656 FAX.: +1 310 214 8655  
WEBSITE: www.ot-inc.com

### East Coast Office

8510 McAlpines Park Drive, Suite 108 Charlotte, NC 28211 U.S.A.  
TOLL-FREE: 800 877 6656 FAX.: +1 704 365 0818  
WEBSITE: www.ot-inc.com

European Subsidiary

### OPTEX Technologies B.V.

Henricuskade 17, 2497 NB The Hague, The Netherlands  
TEL.: +31(0)70 419 41 00 FAX.: +31(0)70 317 73 21 E-MAIL: info@optex.eu  
WEBSITE: www.optex.eu