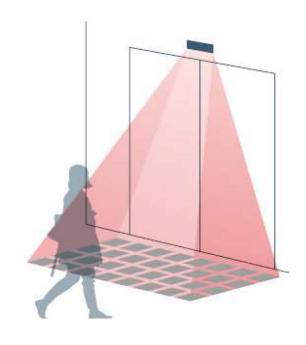


The Optex OA-203C is the optimal choice for both safety and activation on all types of automatic doors.



Presence Detection Function

Safety is assured by the two rows of presence detection closest to the door. The sensor detects a person or object and holds the door open as long as they are near the threshold area, even if they stop or pause.

All conditions

Snow mode and variable sensitivity adjustments make this sensor suitable for every application and even weather conditions.

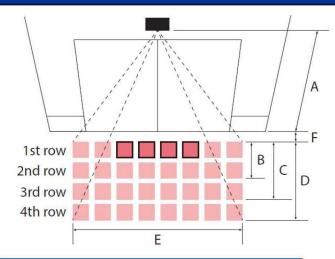
Easy installation



The Optex OA-203C is simple to install. All the settings are mechanically adjustable with dip switch and levers.



Detection Area



					m (feet, inch)
А	2.00	2.20	2.50	2.70	3.00
	(6' 6 3/4")	(7' 2 5/8")	(8' 2 7/16")	(8' 10 5/16")	(9' 10 1/8")
В	0.28	0.31	0.35	0.38	0.41
	(11")	(1' 3/16")	(1' 1 3/4")	(1' 2 15/16")	(1' 4 9/16")
С	0.68	0.75	0.85	0.92	1.02
	(2' 2 3/4")	(2' 5 1/2")	(2' 9 9/16")	(3' 1/4")	(3' 4 3/16")
D	1.18	1.30	1.48	1.59	1.77
	(3' 10 7/16")	(4' 3 3/16")	(4' 10 1/4")	(5' 2 5/8")	(5' 9 11/16")
Е	2.10	2.30	2.60	2.80	3.10
	(6' 10 11/16")	(7' 6 9/ <mark>1</mark> 6")	(8' 6 3/8")	(9' 2 1/4")	(10' 2 1/16")
F	0.16	0.18	0.20	0.22	0.25
	(6 5/16")	(7 1/16")	(7 7/8")	(8 11/16")	(9 13/16")

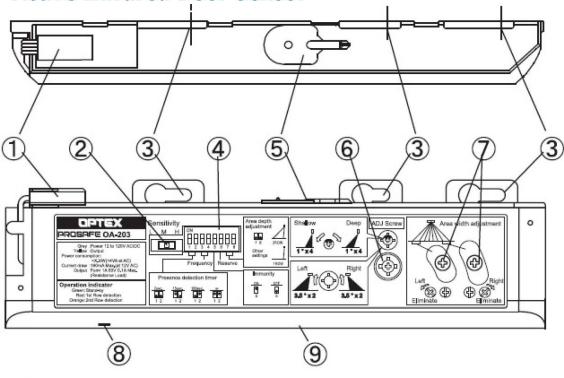
Model	OA-203C
Mounting height	3.0 m (9'10") max.
Detection area adjustments	Eliminate rows B, C, or D (dip switch setting) Depth 4° in or out, 1° per setting Width 7° left or right, 3,5° per setting Shutters eliminate left and right sides
Detection technique	Active infrared reflection
Power supply	12 to 30 V AC/DC
Power consumption	160 mA max. (at 12V AC)
Power/Operating indicator	Green: Standby Red: Presence detection Orange: Motion detection
Output contact	Form C relay 50 V, 0.3 A max. (resistance load)

Relay hold time	Approx. 0.5 s	
Response time	<0.3 s	
Operating temperature	-20 to +55°C (-4 to +131°F)	
Outer dimensions	221 x 63 x 29.9 mm (w x h x d)	
Weight	200 g	
Accessories	3 m Connection cable with plug 2 Mounting screws 1 Mounting template 1 Area adjustment tool	
Available colours	Black (OA-203CBL), silver (OA-203CS)	



OA-203

Active Infrared Door Sensor



1: Connector

2 : Sensitivity switch

3: Mounting holes

4 : Dipswitches

5 : Area adjusting tool

6 : Area adjustment screw

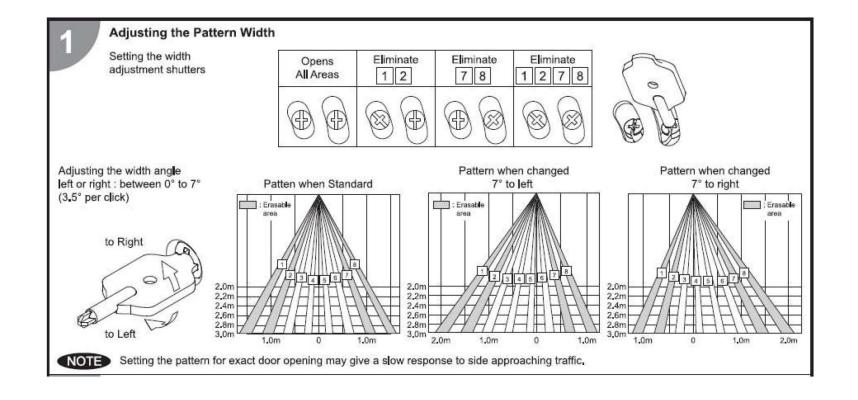
7: Width adjustment shutters

8 : Operation indicator

9: Detection window

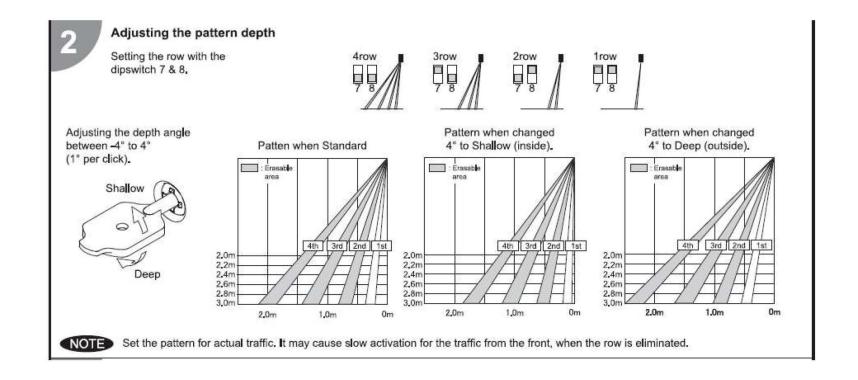






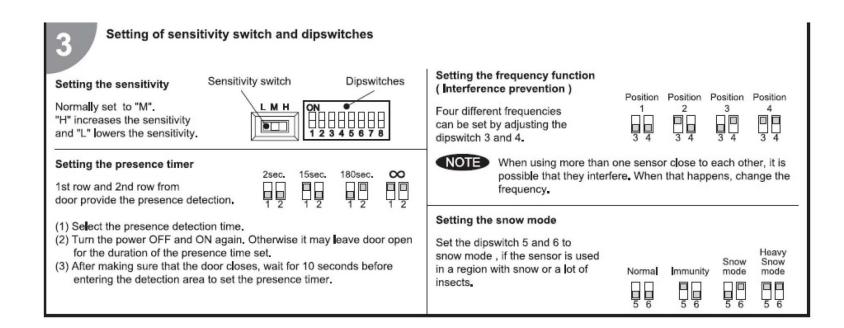
















OA-203 Active Infrared Door Sensor TROUBLESHOOTING

Trouble	Possible Cause	Solution	
Does not	Power supply is not adequate.	Adjust to stated voltage.	
operate	Connection Failure.	Check the wiring and the connector.	
Dose not	Dirty detection window.	Wipe the detection window with a damp cloth. (Do not	
operate		use any cleaner or solvent.)	
consistently	Sensitivity is Low.	Set the Sensitivity Switch "H."	
	There is an object that moves or emits light in the detection area. (Ex. plant, illumination, etc.)	Remove the object.	
Operator by	Vibration of the header.	Secure the header. Or set the Sensitivity Switch "L."	
Operates by itself	Sensitivity is high.	Set the Sensitivity Switch "L."	
(Ghosting)	Waterdrops on detection window.	Install in a place keeping the waterdrops off. OR use a rain-cover (Optional).	
	Detection area has interfered the area of another sensor.	Set the different frequency position each other.	
	The detection 1st row spots are overlapping with the door / header.	Adjust the detection area to deep (outside).	
	There is an reflected object in the detection area. Solar light reflects.	Remove the object.	
	There was a puddle left by rain or snow. The floor has gotten wet.	This sensor is equipped with the anti-malfunction. However, pay attention when installing as malfunction may occur under the left conditions.	
	The exhaust of the car and the fog penetrate into the detection area.		
Door stay open or closed	Presence timer is Infinity. There was an abrupt condition change in the detection area.	Turn the power off and on again.	



