

MANUFACTURER'S STATEMENT

For ease of installation and proper operation read thru this manual (especially <u>A WARNING</u> <u>A CAUTION</u> <u>COUTION</u> prior to installing and adjusting the sensor system. Failure to read and follow the instructions in this manual may cause improper sensor or operation resulting in serious injury or death. This product is a non-contact activating switch intended for mounting on the header of an automatic door. Do not use it for any other applications; otherwise proper operation and safety cannot be guaranteed.

1-0ne

(F

/!\ WARNING	Disregard of warning may cause the improper use causing death or serious injury of person.
	Disregard of warning may cause the improper use causing injury of person or damage to object.
NOTE	Special attention for the setting and adjustment of section of this symbol is required.

1. Set door speeds and verify proper operation of door manufacturer's equipment prior to applying power to the sensor system.

- 2. Do not install the sensor where it might be directly sprayed with rainwater.
- 3. Verify proper wiring prior to applying power to the sensor system to prevent damage to equipment.
- 4. When setting the sensor's area pattern, make sure there is no trafic around the installation site.
- 5. Do not attempt to rebuild or repair sensor heads or control unit. Contact an address in this manual for replacement products.
- 6. Only use the sensor as specified in the supplied instructions.
- Walk test the installation to verify operation is in compliance with all local laws, codes and standards of your country.
 Upon completion of installation and adjustments, instruct the owner/operator on proper operation of the door and sensor system.
- Identify any switches/breakers that will place the door out of service when unsafe or improper operation is identified.
- SPECIFICATIONS

Model	: i-one	Current Draw	: 180mA Max. (AC12V)
Mounting Height	: 2.1m (6'11") to 3.0m (9'10")	Output Contact	: "Form C" relay 50V 0.3A Max.
Detection Area	: See the chart in "ADJUSTMENT".		(Resistance Load)
Detection Method	: Active Infrared Reflection	Relay Hold Time	: 0.5 to 2 sec.
	(Presence DetectionType)	Response Time	: <0.3 sec.
Detection Angle	: Approach Area ±15° (Inside & Outside)	Operating Temperature	: -26°C to +55°C (-15°F to +131°F)
Adjustments	Presence/Motion Area -8° to+5° (Inside & Outside)	Weight	: 400g (14oz.)
Operation Indicator	: Green : Stand-by	Accessories	: 1 Cable 3m(9'10")
	Blinking Red : 1 st Row Detection Active		2 Mounting Screws
	Red : 2 nd Row Detection Active		3 Adjusting Hole Cap
	Orange : Motion Detection Active		1 Operation Manual
	Blinking Orange : Approach Detection Active		1 Mounting Template
Power Input	: 12 to 24V AC		
	12 to 30V DC The specifications	herein are subject to chang	e without prior notice due to improvements.

OUTER DIMENSIONS









3 4

3 4

4

3 4

/! CAUTION Use "2 sec." only for testing. Normal Presence Timer is 60 sec. or longer



Recommendations to building owner / operator

1. Do not change the settings on the sensor, as this may cause it to operate incorrectly.

2. Contact your local distributor if you want to change the settings. 3. Do not wash the sensor with water.

4. Always keep the detection window clean. If dirty, wipe the window lightly with a damp cloth.

5. Do not disassemble, rebuild or repair the sensor yourself; otherwise electric shock may occur

6. If a Warning Indicator appears (LED warning), contact your local distributor.

7. When turning the power on, always walk-test the sensor pattern to ensure proper operation

TROUBLESHOOTING

Warning Indication		Sensor Status Mode	Stand-by	Detect	tion	Stand-by while Warning Indication is On	Detectin Warning Indie			
		Signal Saturation Either the mounting position is too low or the detection area includes the wall or another.	Green	Orange (Blinki		Slow Green Blinking	Orange (Blink			
		If the trouble still persists after chec	king and rem	nedying a	as des	scribed above, contact yo	our installer or	the sales en	gineer.	
Problem		Possible Cause	Possible Cause			Solution	Reference			
Hold the door open.	Conne	Connection failure			Check the power supply.			WIRING		
	Floor o	Floor cpndition was changed.			Turn the power off and on again.			ADJUSTMENT1,2		
Do not operate.	Power	Power Input is not adequate.			Adjust to the stated voltage.			SPECIFICATIONS		
	Conne	Connection failure			Check the wiring and the connector.			WIRING		
Do not operate consistently.	Dirty d	Dirty detection window				Clean the detection window.			ADJUSTMENT 5	
Operates by itself (Ghosting).		There is a moving object in the detection area. (ex. Plant, Poster etc.)			Remove the object.			ADJUSTMENT 1,2		
	There	There was an abrupt condition change in the detection area.			Check the installation conditions.			ADJUSTMENT 1,2		
	Anothe	Another sensor's detection area is overlapping.			Change the frequency setting.			ADJUSTMENT 3		
	Waterdrops on detection window			Keep the detection window free from waterdrops.			INSTALLATION 1			
	Vibrati	Vibration of the header			Secure the header.			—		
	The Pr	The Presence/Motion Detection Area overlaps with the door.			Adjust sensor angle away from the door.			ADJUSTMENT 2-1		

North and South American Subsidiary **OPTEX** Technologies Inc.

Corporate Headquarters 3882 Del Amo Blvd., Suite 604 Torrance, CA 90503 U.S.A.

TOLL-FREE: 800 877 6656 FAX.: +1 310 214 8655 WEBSITE: www.optextechnologies.com

European Subsidiary

OPTEX Technologies B.V. Tiber 2, 2491 DH The Hague, The Netherlands TEL.: +31(0)70 419 41 00 FAX.: +31(0)70 317 73 21 E-MAIL: info@optex.nl WEBSITE: www.optex.nl

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.optextechnologies.com

Manufacturer

OPTEX CO.,LTD. 5-8-12 Ogoto Otsu 520-0101, Japan

TEL.: +81(0)77 579 8700 FAX.: +81(0)77 579 7030 WEBSITE: www.optex.co.ip