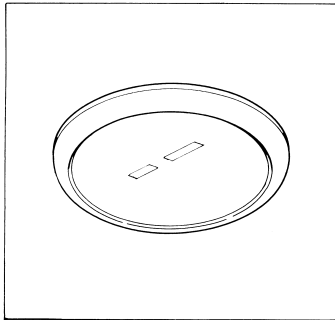


ACTIVE INFRARED PRESENCE SENSOR

Ceiling Recess Mount Type



OA-60C

Before mounting and operating the unit, please read this manual thoroughly. This manual should be retained for future reference.

Model	OA-60C
Detection Range	2.0m (6.6ft)~4.0m (13.1ft) Max.
Detection Area	See chart
Detection Method	Near Infrared Reflection Method
Depth Area	Inner Area : approx.0~18'
Variable Range	Approach Area : approx.0~26'
Power Input	12~24V AC/DC
Current Draw	300mA Max. (at 24V AC)
Power/Operating Indicator	LED ON in stand by LED OFF when detecting
Output Contact	N.O. Relay 50V 0.1A (Resistance Load)
Output Hold	0.5 sec. Delay
Operating Temperature	-20 °C ~ +55°C (-4°F ~ 131°F)
Weight	430g (15.2oz)
Accessories	3m Wire with plug, 2 Mounting Screws, Mounting Template, Area Masking Seals

* Specifications subject to change without prior notice.



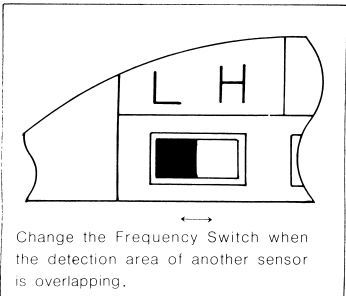
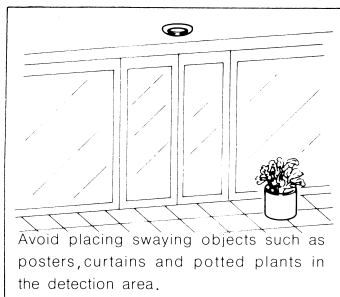
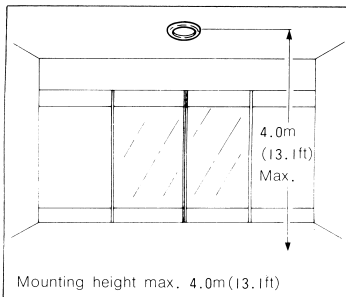
OPTEx CO., LTD. (ISO 9001 Certified by LRQA)
4-7-5 Niinohama Otsubu, 520-0801 Japan
TEL +81(7)7524-1900 FAX +81(7)7524-3201

OPTEx AMERICA, INC.
1845W, 205th Street Torrance, CA 90501-1510 U.S.A.
TEL(310)633-1500 FAX(310)633-5910 Toll-Free 800-96-OPTEx(900-966-7839)

OPTEx (EUROPE) LTD. (ISO 9002 Certified by NQA)
Clivernot Road, Cordwalles Park, Maidenhead, Berkshire, SL6 7BU U.K.
TEL(01628)31000 FAX(01628)36311

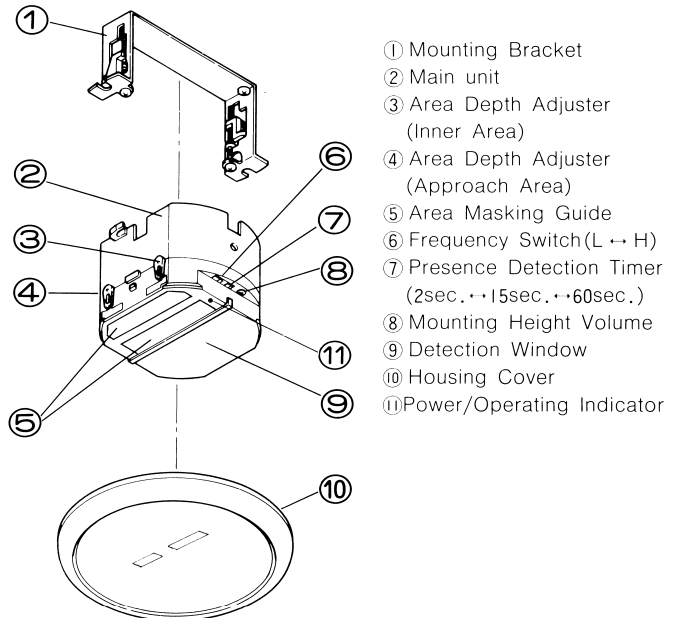
MADE IN JAPAN
5905743 98-06

INSTALLATION HINTS



When the Area Depth Adjuster and (or) the Area Width Adjuster are turned to adjust the detection area, the unit continues to supply output to open the door for the presence detection timer period (2sec., 15sec. or 60sec.). When the timer period expires, the door will close.

PARTS IDENTIFICATION



MOUNTING AND WIRING

① Apply Mounting Template to ceiling and make holes of $\phi 130$ - $\phi 135$ mm ($\phi 5\frac{1}{8}$ " - $\phi 5\frac{3}{8}$ " inches.)

③ Adjust Mounting Height setting according to the mounting height.

2.5m (8.2ft)	3.0m (9.8ft)	4.0m (13.1ft)

⑤ Change Presence Detection Period by adjusting Presence Detection Timer.

2 15 60

When timer period expires, the door will close, even if a non-moving object(s) is within detection area.

② Wire the cord to Door Controller, connect it to Sensor and attach Main unit to Mounting Bracket.

④ When the unit is first powered up, it will detect motion only for 10 seconds, after which it will detect presence.

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    Power On → Motion Detection → 10 sec. → Presence Detection
    
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⑦ Attach Housing Cover to Main Unit.

⑤ Adjust Detection Area. See "Adjusting The Detection Area" and "Installation Hints".

(Wiring)

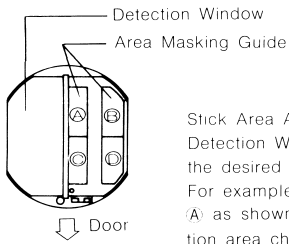
To remove, push tab and pull.

(Yellow) Connect to Output Contact
(Grey) Connect to Power Source

ADJUSTING THE DETECTION AREA

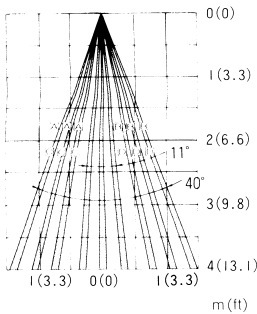
1. AREA WIDTH ADJUSTMENT

The Area Width can be adjusted by using Area Adjusting masking.

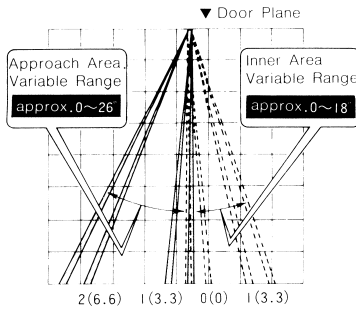


Stick Area Adjusting masking on Detection Window to get the desired detection area. For example, to eliminate Area (A) as shown on the detection area chart below, apply Area Adjusting masking (A) on (A) position of Detection Window.

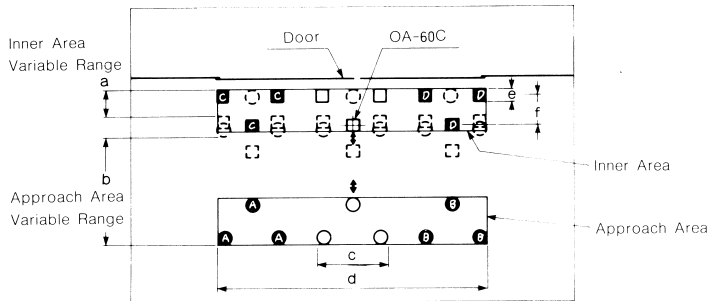
Front View



Side View



Top View



Mounting Height m(ft)	a	b	c	d	e	f
2.5 (8.2)	0~800 (0~31%)	0~1300 (0~51%)	480 (18%)	1800 (70%)	80 (3%)	230 (9%)
3 (9.8)	0~1000 (0~39%)	0~1500 (0~59%)	580 (22%)	2180 (85%)	100 (3%)	280 (11%)
4 (13.1)	0~1300 (0~51%)	0~1900 (0~74%)	770 (30%)	2900 (114%)	120 (4%)	370 (14%)

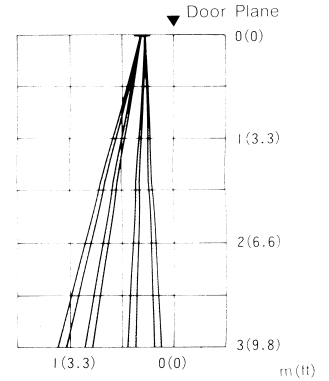
2. AREA DEPTH ADJUSTMENT

The Area Depth can be adjusted by Area Depth Adjuster (Inner and Approach).

Approach Area & Inner Area can be adjusted independently.

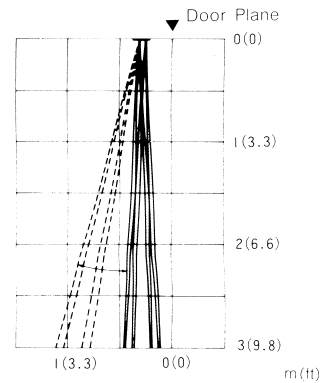
Typical Installation
Mounting Height 3m (9.8 ft)

- Inner Area :
Set the area on floor level as close to the door as possible. About 50 - 100mm(2 - 4 inches) from Door Plane.
- Approach Area :
Set the area on floor level about 1.5m (5ft) away from Door Plane.

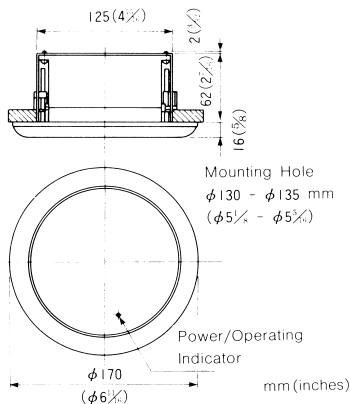


How to Obtain Shallow Area

Set Approach Area Depth Lever at 0°.



EXTERNAL DIMENSIONS



TROUBLE SHOOTING

Problem	Possible Cause	Remedy
No Operation	1 Not connected to system or power 2 Unsuitable voltage(Low voltage)	1 Check wiring, correct to normal. 2 Use rated voltage.
Intermittent Operation	1 Detection Window is covered with dust, water drops, etc.	1 Clean it with soapy water. (Do not use thinner, benzine or alcohol.)
Operates when there is no person within area.	1 Swaying objects within area 2 Strong EMI source in area 3 Activation by dogs or cats 4 The detection area of another sensor is overlapping.	1 Adjust area or remove the objects. 2 Keep the source away from door. 3 Normal 4 Change the Frequency setting.