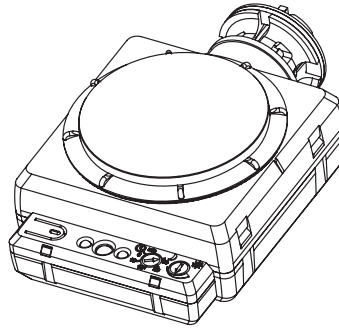


INSTRUCTIONS

LOS800 BAY SENSOR

RAB®

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PIR Sensor , with IR remote capability

IMPORTANT

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

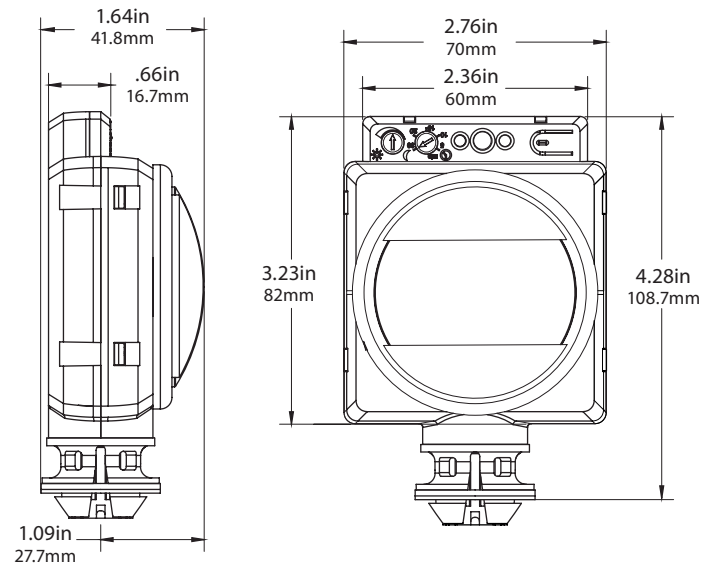
RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WARNING: Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.

SPECIFICATIONS AND FEATURES

- Indoor use only
- Operating Temperature: 32°F to 158°F (0°C to 70°C)
- Operating Humidity: 5% to 95%, noncondensing
- Line voltage for direct connection to load
- 120, 277, 347V, 60Hz or 230V, single phase, 50Hz operation
- Power consumption: 0.2W
- Adjustable time delay and sensitivity
- Adjustable hold-off daylighting level
- Weight: 6.4 oz (181 g)
- UL listed snap-in mounting hardware
- Easy mounting using knockout at end of fluorescent high bay luminaire
- Flexible mounting options
- UL listed

Fig. 1



OPTICAL

- Lens (attached) designed for mounting heights from 15 to 40 feet
- Snap-on rotatable mask for aisleway applications (included)
- Covers a 100-foot diameter area when mounted at a height of 40 feet

FACTORY DEFAULTS

- Time Delay: 15 minutes
- Sensitivity: Max
- Light Level: 300 footcandles

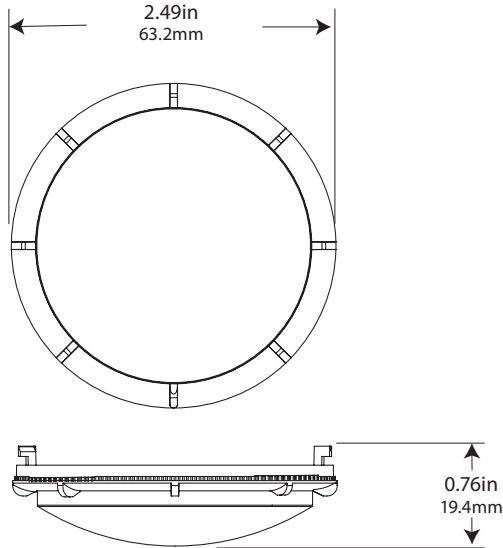
INSTRUCTIONS

HIGH/LOW BAY PASSIVE INFRARED OCCUPANCY AND DAYLIGHT SENSOR

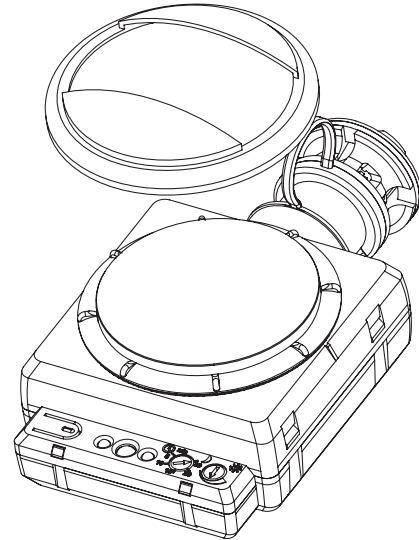


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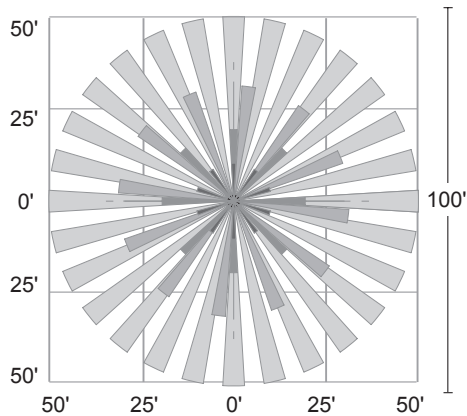
LENS, MASKING AND COVERAGE



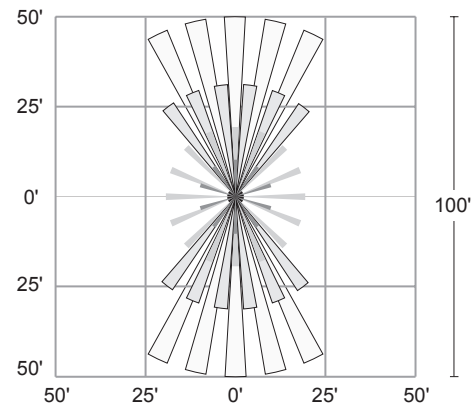
Lens Dimensions



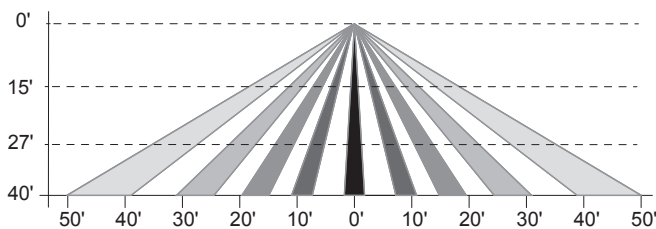
Shown with snap-on rotatable mask for aisleway coverage (included with sensor)



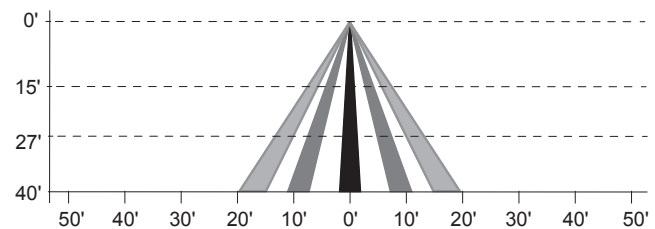
Top coverage pattern



Top coverage pattern with mask



Side coverage pattern



Side coverage pattern with mask

INSTRUCTIONS

HIGH/LOW BAY PASSIVE INFRARED OCCUPANCY AND DAYLIGHT SENSOR



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PASSIVE INFRARED SENSING IN WAREHOUSES

Warehouses can have ambient temperature variations that may affect sensor detection and coverage areas. High temperatures at the covered area (above 80°F) reduce the detection zone of the sensor. Consider adding more sensors if the ambient temperatures

are expected to be high. Additionally, high floor level temperature may require larger movement for detection. In some cases, sensors mounted above 40' may only detect large heat signatures such as forklift trucks.

INSTALLATION & MOUNTING INSTRUCTIONS

1. Determine the mounting location appropriate to the features of the sensor and the coverage area.
2. Avoid placing the sensor where the edge of the fixture, shelving or other obstructions may block the sensor's line of sight. Mount the sensor below the edge of the fixture and away from the lamps so that the heat from the lamps does not affect the sensor.
3. If using the hold-off daylighting light level feature, avoid mounting in location where adjacent fixtures contribute to the photocell measurement.
4. If using snap-in mounting hardware, select washers to accommodate fixture wall thicknesses according to the chart below.
5. Assemble any necessary mounting accessories and attach them to the sensor, making sure that the flying leads from the power module are accessible.
6. Connect the line voltage and load wires to the sensor leads as shown in the Wiring Diagram (see Figure 4) .
 - Do not allow bare wire to show.
 - Make sure all connections are secure.
7. Restore power from the circuit breaker.

IMPORTANT START-UP INFORMATION

A 60-second start-up period occurs during initial installation and after a power failure of 5 minutes or more. After applying power to the sensor, wait at least 60 seconds for the sensor to begin detecting occupancy and the load to turn ON. Regardless of light level the load may turn ON during the start-up period, depending on the state of the relay when power was off.

- If the sensor detects occupancy during the start-up, when the load turns ON it stays ON as long as the sensor continues to detect motion, plus the Time Delay.
- If no occupancy is detected during the 60-second start-up, the load may come on anyway during the start-up. If no occupancy is detected by the time the start-up is complete, the relay opens and the load turns OFF.

ADJUSTABLE CONTROL PARAMETERS

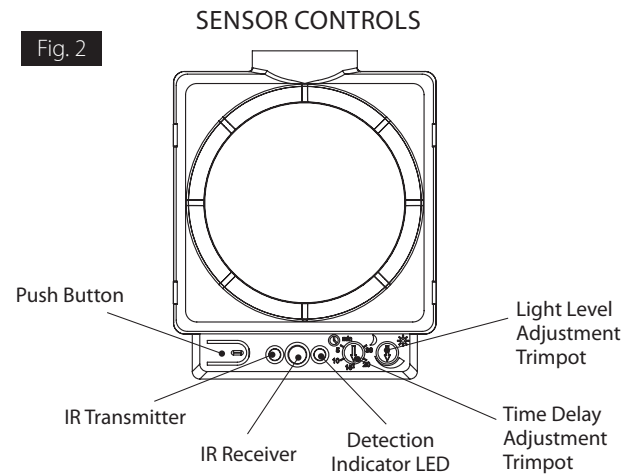
SETTING TIME DELAY

Trimpot

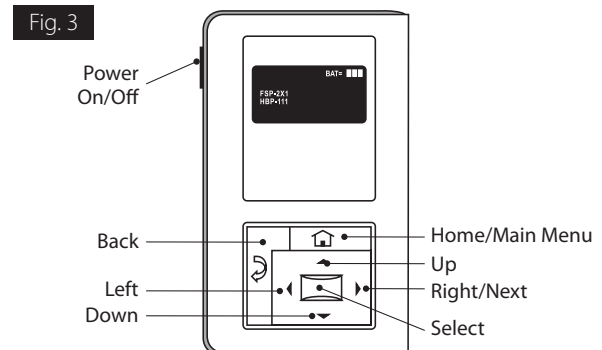
1. Adjust the trimpot to the desired time delay (hard stop settings: 5, 10, 15, 20, 30 minutes; default 15 minutes).

WSREM Remote

1. Aim the remote at the IR receiver on the sensor
2. Select "Adjust Time Delay"
3. Choose from the range of 1 min - 30 mins with 1 minute increments
4. Select "Send"; remote displays "Settings Received"



WSREM REMOTE CONFIGURATION TOOL



INSTRUCTIONS

HIGH/LOW BAY PASSIVE INFRARED OCCUPANCY AND DAYLIGHT SENSOR



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ADJUSTABLE CONTROL PARAMETERS (Continued)

SETTING MOTION DETECTION SENSITIVITY

(factory default setting is ideal for most applications)

Trimpot

1. Hold push button for approx. 3 seconds to enter test mode
2. Adjust the Time Delay trimpot to the hard stop setting for the desired sensitivity (options: 5 or 10 min = Low; 15 or 20 min = Med; 30 min = Max; default Max)
3. Hold push button for approx. 3 seconds to exit test mode
4. Return Time Delay to desired setting

WSREM Remote

1. Aim the remote at the IR receiver on the sensor
2. Select "New Settings" and "Sensitivity"
3. 3. Choose from the options of Low, Med or Max
4. 4. Select "Send"; remote displays "Settings Received"

SETTING LIGHT LEVEL HOLD-OFF

Adjust during daylight hours when ambient light is at the desired level.

Trimpot

Adjust the trimpot on the sensor housing to desired photocell setting (analog wheel with hashmarks: 1-300fc; default 300fc).

WSREM Remote

1. Aim the remote at the IR receiver on the sensor
2. Select "Adjust Photocell Setting"
3. Choose from the range of 1 fc - 300fc with 1 footcandle increments
4. Select "Send"; remote displays "Settings Received"

The light level values referenced are approximate and reference 4000K CCT. Variations in color temperature may affect the actual levels the sensor sees. It is recommended that light level hold off be set up in the morning for best results.

Notes: Any adjustments made will override any previous settings whether manually made on the sensor or through the WSREM commission tool. Adjusting Time Delay does not affect Sensitivity and vice versa.

PUSH BUTTON FUNCTIONS

The following functions are available via the Push Button.

Manual Mode: To toggle the unit in or out of Manual Mode, quickly press the Push Button to toggle the load ON or OFF. When the load is turned ON manually, it will remain ON as long as motion is detected and the time delay has not expired. If the load is turned

OFF manually, the sensor holds the load OFF for as long as motion is detected and then for an additional 5 minutes of no motion detection. The next time the sensor detects occupancy, and the ambient light is lower than the established light level, the sensor automatically turns ON the load.

Test Mode: To place the unit in a 10 minute Test Mode, press the Push Button for about 3 seconds, or enable the Test Mode with the WSREM. The LED will flash once confirming you are in Test Mode. To exit Test Mode, press and hold the Push Button for 3 seconds. Walk-test the unit to ensure proper detection.

Service Mode: To toggle the unit in or out of Service Mode, press and hold the Push Button for about 6 seconds. The LED will flash twice confirming you are in or out of Service Mode. In Service Mode, the LED and load will always be ON.

Power Up On Mode: Press and hold the Push Button for about 9 seconds to enable Power Up ON Mode. The LED will flash three times confirming Power Up ON is enabled. In this mode, the sensor will turn the connected loads ON upon restoration of power.

Power Up Off Mode: Press and hold the Push Button for about 12 seconds to enable Power Up OFF Mode. The LED will flash four times confirming Power Up OFF is enabled. In this mode, the sensor will keep the connected loads OFF upon restoration of power. The sensor is set to this mode by default.

Factory Default: To manually return the unit to factory default settings, press and hold the Push Button for about 15 seconds. This will return all settings to factory default with the exception of time delay and light level, which will be set to the current trimpot settings. When using the WSREM remote to return to factory default, all settings will be returned to the original factory settings regardless of current trimpot positions.

The LED will remain solid ON confirming it has been reset to the factory default.

Cancel: To prevent any changes from being made, hold the push button for about 18 seconds. For example, if resetting to factory default (or any other setting) is not desired then keep holding until you reach 18 or more seconds. The LED will turn off after 18 seconds to indicate there were no changes made.

INSTRUCTIONS

HIGH/LOW BAY PASSIVE INFRARED OCCUPANCY AND DAYLIGHT SENSOR



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ADDITIONAL FEATURES AVAILABLE ON PIR SENSOR

Use the WSREM handheld configuration tool to disable or enable following modes:

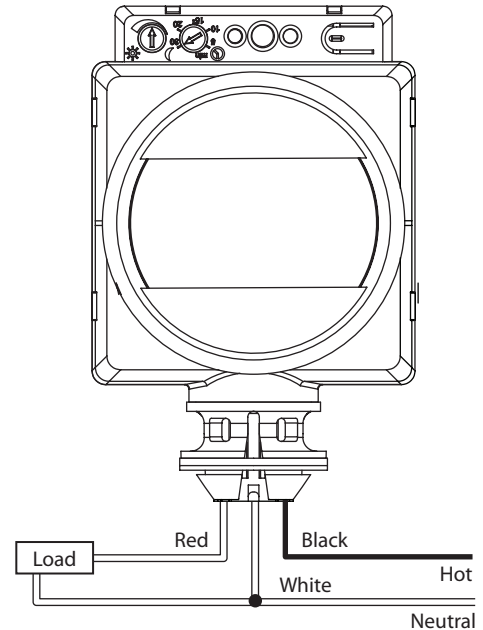
Burn-In Mode: When Burn-In Mode is invoked the output will turn ON for 100 hours continuously. However, the Push Button or remote can be used to turn the load OFF, and the sensor will exit Burn-In Mode. Default setting is Disabled.

Walk-Through Mode: In this mode, the load will turn off after a 3 minute period following an initial occupancy event if there is no motion detected after the first 30 seconds. If occupancy continues beyond the first 30 seconds, the established time delay applies. Default setting is Disabled.

Visual Alert: When enabled, Visual Alert turns the load OFF for 1 second to warn any occupants of impending shutoff 1 minute before the time delay countdown expires. Default setting is Disabled.

Occupancy mode: When Occupancy mode is disabled, the LED will always be on; both motion detection and light level functionality are disabled, and only the Push Button or remote can toggle the load ON and OFF. The default setting for Service mode is Enabled.

Fig. 4 WIRING FOR PIR SENSOR



Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.



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Free Lighting Layouts
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