

alula™

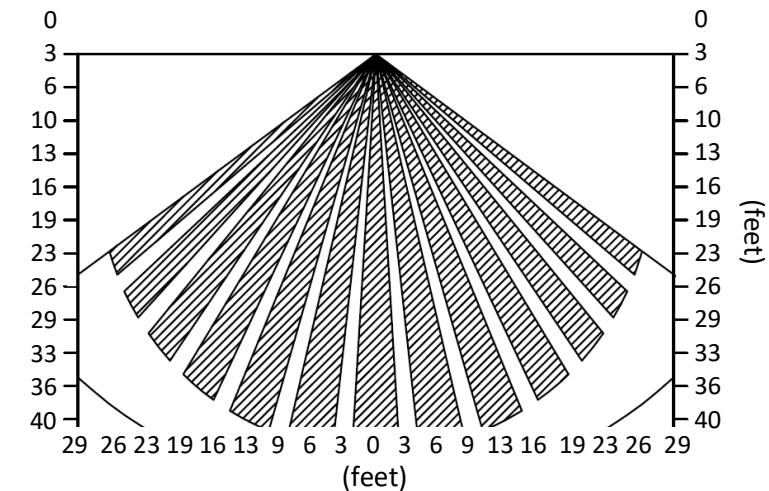
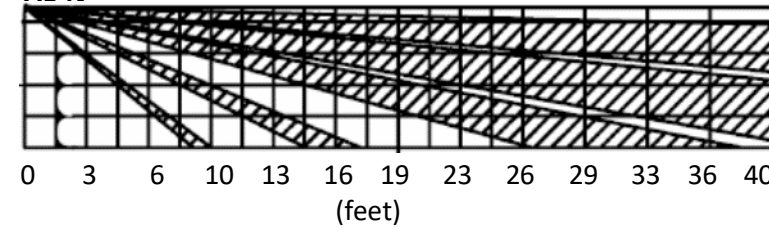
RE111P

Indoor Motion Sensor, Pet Immune, Interlogix / GE Compatible

1. Specifications

Frequency:	319.5 MHz
Operating Temperature:	32°-120°F (0°-49°C)
Operating Humidity:	5-95% RH non-condensing
Battery:	1x CR123A Panasonic Lithium 3V DC
Battery Life:	5 Years
Compatibility:	Interlogix / GE receivers
Pet Immunity:	Up to a maximum of 85 lbs
Supervisory Interval:	Approximately 60 minutes
Coverage Area:	40 feet by 40 feet, 90° angle
Light Immunity:	2000 Lux

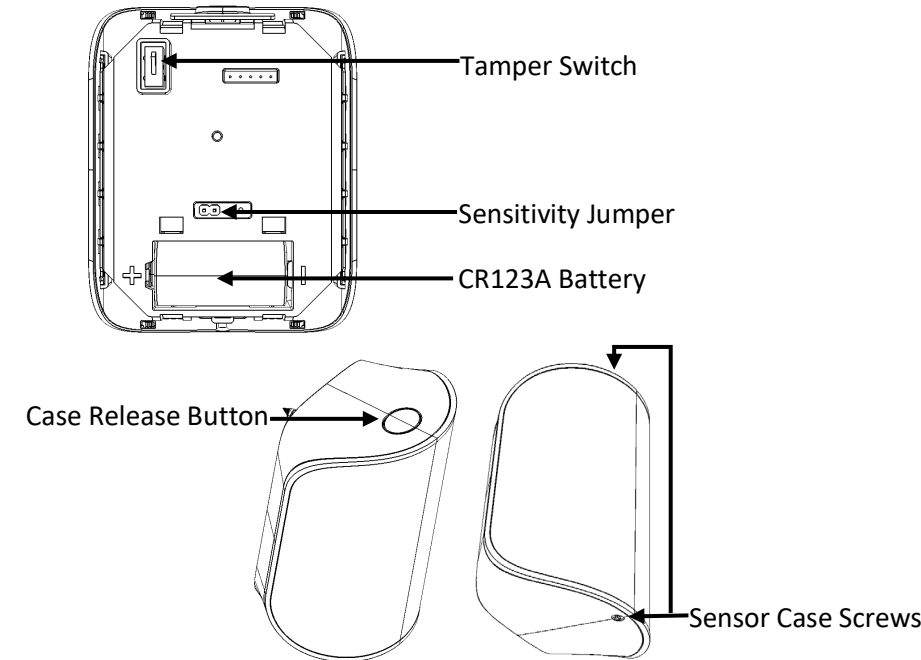
7.5 ft Side View:



2. Package Contents

1x Sensor	1x Sensitivity Jumper
4x Screws & Wall Anchors	1x CR123A battery (installed)
2x Sensor Case Screws	1x Back Mounting 2-Sided Adhesive Tape
1x Manual	2x Side Mounting 2-Sided Adhesive Tape

3. Component Identification



4. Enrollment

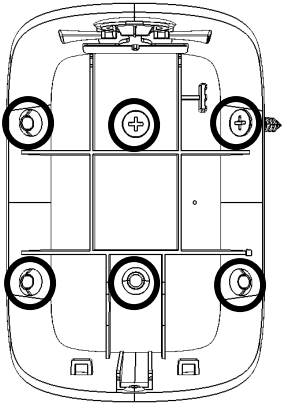
To enroll the sensor, set your panel into program mode. Then go to the Learn Sensors menu. Refer to your specific alarm panel instruction manual for details on these menus. To trip the sensor:

- Remove the PIR from its back cover mounting plate.
- Pull the Battery Tab -or- Remove and reinstall the CR123A battery to place the sensor in Walk Test Mode. The red LED will begin to flash for 45 seconds.
 - When the LED stops flashing, the sensor can be triggered by waving your hand in front of the motion sensor.
 - The sensor will transmit every time motion is detected. Trigger the motion sensor as many times as necessary until the panel recognizes the sensor's serial number.
- Select the appropriate sensor group and number in your panel.

- Exit the panel's programming mode. Return the PIR to its mounting plate.

5. Mounting

Mount the motion sensor at 7.5 feet (2.3 meters) above the floor. Press the case release button to separate the front and back sensor case. The back case gives access to both the flush mount and corner mount screw knock outs. Remove the appropriate knockouts and use the included screws to mount in the desired mounting location. It is recommended to ensure there is a tight seal around the knockouts to prevent bugs from entering the sensor and causing false alarms. Replace the front sensor cover to snap shut and screw in the sensor case screws on the top and bottom of the back sensor case. The RE111P is intended to be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, UL1641 & UL 691 - Classification of Burglar and Holdup Alarm Systems, UL 681, and is intended for Residential use only. The RE111P intrusion detection unit shall be installed in accordance with the Standard for Installation and Classification of Residential Burglar Alarm Systems, CAN/ULC-S310 and CSA C22.1, Canadian Electrical Code, Part I, Safety Standard for Electrical Installations.



6. Sensitivity Jumper Settings

For standard sensitivity motion detection with pet immunity leave the jumper in the default setting (on). Remove the jumper if increased sensitivity to movement is desired.

7. Walk Test Mode

Walk test mode can be used to test the motion sensor detection coverage area. To enter walk-test mode remove the battery for 10 seconds and re-insert the battery. The red LED will begin to flash indicating that the motion sensor is warming up. After 45 seconds, the LED will stop flashing which indicates the motion sensor is ready to detect motion. The LED will illuminate each time motion is detected. Once the LED goes out, the sensor is ready to detect motion again. Walk test mode ends after 15 minutes. It is recommended that the RE111P PIR is tested monthly to ensure proper function.

8. Operation

During normal operation, the LED will not turn on even if motion is detected. This is done to maximize battery life. Furthermore, when motion is detected and a signal is transmitted to the panel, the sensor will not transmit again for a period of three minutes.

9. Maintenance - Replacing the Battery

When the battery is low, a signal will be sent to the control panel.

To insert or replace the battery:

- Remove the front cover to expose the battery.
- Remove the backplate using a bottom-to-top lifting motion.
- Remove the CR123A lithium battery. Note the correct orientation of the battery as shown on the sensor cover plate. Always match the plus (+) sign on the battery with the flat side of the compartment and the minus (-) sign on the battery with the spring side.
- Replace the front cover.

WARNING: Failure to follow these warnings and instructions can lead to heat generation, rupture, leakage, explosion, fire, or other injury, or damage. Do not insert the battery into the compartment in the wrong direction. Always replace the battery with the same or equivalent type (see Specifications on page 1). Never recharge or disassemble the battery. Never place the battery in fire or water. Always keep batteries away from small children. If batteries are swallowed, promptly see a doctor.

- Always dispose and/or recycle used batteries in accordance with the hazardous waste recovery and recycling regulations for your location. Your city, state, or country may also require you to comply with additional handling, recycling, and disposal requirements.

10. Environmental and Other Useful Information

- The RE111P PIR is an indoor use residential product only.
- While the PIR is a highly reliable intrusion detection device, it does not guarantee against burglary. Any intrusion device is subject to a “failure to warn” for a variety of reasons. Consider the following when installing and setting up the PIR:
- This PIR has built-in protection to keep bugs from getting into the sensor area and causing false alarms. Note that this protection does not prevent insects from crawling across the lens of the PIR, which could trigger the PIR.
- Infrared energy can be reflected off any glossy surfaces such as mirrors, windows, floors, or counter tops with glossy finish, and slick-finished concrete. Some surfaces reflect less than others (e.g. the PIR can see a change in infrared energy off of reflective surfaces even if the heat or cold source is not within the PIR detection pattern).

- Windows reflect infrared energy. They also allow sunlight or light from other sources (e.g., cars) to pass through to the PIR. The PIR can detect these changes in infrared energy. For example, if sunlight passing through a window shines onto a hardwood floor and the change in infrared energy is quick enough, the PIR can trigger an alarm. The same applies if the PIR area includes a window, even though the pattern of protection cannot “see” through glass. Lights from a passing car can also pass through the window at night and shine directly into the PIR’s lens.
- Heating and air conditioning ducts are also important because if they blow air onto an object within the field of the PIR’s view, the temperature of that object could change quickly enough for the PIR to “see” a change in infrared energy. PIR’s cannot see air current, only the change in temperature of a physical object.
- The PIR senses change in temperature. However, as the ambient temperature of the protected area approaches the temperature range of 95° to 120° F, the detection performance of the PIR decreases.
- Ensure that the area you wish the PIR to cover is free of obstructions (for example, curtains, screens, plants, etc.) that may block the pattern of coverage.
- Anything that can sway or move due to air current can cause a change in infrared energy within the fields of view. Drafts from doors or windows can cause this to occur. Plants, balloons, curtains, and hanging baskets should never be left in the PIR’s field of view.
- Do not mount the PIR on a surface that allows for any vibration. Vibrations not only cause the PIR to move a little, but it also causes the fields of view in a room to move with respect to the PIR. A little vibration can cause havoc with the PIR’s field of view, thus the PIR may see a change in energy and trigger the alarm.
- An installation often requires that the PIR is aimed at the door. The PIR may detect door movement before the door contact can initiate an entry delay, causing the alarm to trigger. If you install the PIR facing a door, then while programming the PIR, choose an appropriate sensor/zone type.
- The PIR ONLY detects intrusion within the pattern of coverage.
- The PIR does not provide volumetric area protection.
- The PIR creates multiple beams of protection. Intrusion can only be detected in unobstructed areas covered by those beams.
- The PIR cannot detect motion or intrusion that occurs behind walls, ceilings, floors, closed doors, partitions, glass doors, or windows.
- Tampering with, masking, painting, or spraying of any material on the PIR lens or any part of the optical system can impair detection ability.
- The PIR, like other electrical devices, is subject to component failure. Even though the PIR is designed to last as long as 10 years, the electronic components are subject to failure.

FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee

that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a different circuit from the receiver
- Consult the dealer or an experienced radio/TV contractor for help.

Warning: Changes or modifications not expressly approved by Alula could void the user’s authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

C’et appareil est conforme la norme d’Industrie Canada exempts de licence RSS. Son fonctionnement est soumis aux deux conditions suivantes: (1) c’et appareil ne peut pas provoquer d’interférences, et (2) c’et appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de la dispositif.

FCC ID: XQC-WST741 IC: 9863B-WST741

Trademarks

Alula is a trademark owned by Alula Holdings, LLC.

Ecolink is a trademark owned by Ecolink Intelligent Technology Inc.

All trademarks, logos and brand names are the property of their respective owners. All company, product and service names used in this document are for identification purposes only. Use of these names, trademarks and brands does not imply endorsement.

Alula products will function with one of either Interlogix or GE systems. However, no Alula product is produced by, endorsed by, nor is officially associated with Interlogix or GE. Alula recommends verifying proper enrollment and operation, per control panel installation instructions, at installation.

RE111P Designed and manufactured by Ecolink Intelligent Technology Inc. 2022.

© 2022 Ecolink



2340 Energy Park Drive
St. Paul, MN 55108
1-888-88-ALULA
www.Alula.com

PN: 47007-00xxxx
REV & REV Date: A01 07/08/2022