Product Summary

The Alarm.com Image Sensor (ADC-IS-100-LP, ADC-IS-100-SL) is a wireless PIR (passive-infrared) motion sensor with image capture capabilities. The PIR sensor detects motion by changes of infrared radiation in the sensor's detection area. The sensor reports motion activations to the control panel it is enrolled in. An Alarm.com Image Sensor enabled GSM module is required to enroll the ADC-IS-100-LP and ADC-IS-100-SL into a control panel.

On motion activations, the device can be configured to capture images. Specific Alarm.com service plans and hardware are required for this service.

Compliance

Operation is subject to the following two conditions:

(1) This device may not cause interference

(2) This device must accept any interference, including interference that may cause undesired operation of the device

Changes or modifications not expressly approved by Alarm.com can void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, 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 instructions, 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different form that which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Installation Guidelines

Adhere to the following guidelines for optimal performance and false alarm protection:

- ☑ The ADC-IS-100-LP or ADC-IS-100-SL should be installed indoors only using the provided corner or flat wall mount brackets and mounting arm.
- ☑ The sensor should be mounted on a flat wall surface (do not set on shelf) free of vibrations.
- ☑ To obtain the maximum coverage area of 40 feet by 40 feet, the sensor should be mounted at a downward angle as prescribed in the installation instructions. Altering mounting height or angle will change the coverage area.
- ☑ The sensor should be mounted within 100 feet of the control panel. The range may be affected by environmental conditions that vary by installation. Avoid facing the sensor toward or between areas that may affect communication, such as metallic objects or electronics likely to produce

interference. Complete full sensor testing to verify proper communications, even if within the specified range.

☑ The device is designed for indoor use only and should not be installed outdoors. For proper sensor operation, the room should be kept between 60° and 120° F.

☑ For optimal detection capabilities, mount the sensor where someone will most likely walk across the sensor coverage area as opposed to directly towards the sensor.

☑ The horizontal position of the sensor can be altered while mounting by lifting the sensor about 1/3 of the way off the mounting piece and rotating it. Position the sensor such that activity of interest will be detected within the sensor field of view. Be sure to properly secure the sensor with the provided pin and screw.

☑ Leave at least 3 inches of clearance above the sensor to allow for battery replacement without uninstalling the bracket mount.

Mounting Hardware

The ADC-IS-100-LP and ADC-IS-100-SL mounting hardware packet contains:

☑ Mounting Arm- The mounting arm attaches to the back of the sensor and to the wall mounting bracket. To attach the mounting arm to the sensor, slide the back cover off the sensor. Insert the mounting arm pins into the holes on the back of the sensor. Secure the back of the sensor to the mounting arm with the provided screw and washer.

☑ Mounting Bracket- The sensor comes with 2 mounting brackets for different mounting scenarios. Use the provided

1" screws and anchors to attach the bracket to the wall.

- Flat Wall Bracket- Use for mounting on flat surfaces (non-corner).
- Corner Wall Bracket- Use for mounting in corner (non-flat) scenarios.

☑ Lock Pin- The lock pin is used to secure the horizontal position of the sensor once placed on the mounting bracket. Once the sensor is placed on the mounting bracket, slide the lock pin into the hole and push to secure.

☑ Assembly Pack- The assembly pack includes the necessary mounting accessories for installation the sensor.

- 1'' Screws (2)- For securing the mounting bracket to wall
- Anchors (2)- For securing the mounting bracket to wall
- Washer (1)- For securing sensor back to mounting arm
- ¼" Screws (2)- For securing sensor back to mounting arm; For securing the lock pin

Installation Steps

1) Determine sensor mounting location based on installation scenario and according to Installation Guidelines indicated above.
2) Choose applicable mounting bracket for customer scenario. Mark location of bracket holes on mounting surface at a height of 8 feet.
3) Secure the mounting bracket to the mounting surface using the anchors and wall bracket screws.
4) Attach the mounting arm to the back of the sensor. Slide the sensor back off and

use the washer and small screw to secure the mounting arm to the sensor back.

5) Slide the sensor back and mounting arm assembly onto the mounting bracket. Adjust the horizontal positioning of the sensor to point towards the desired coverage area. To adjust positioning, lift the mounting arm at least 1/3 of the way off the bracket and rotate the arm.

6) See "Programming- Enrolling Sensors" instructions for enrolling the sensor into the panel. After enrolled, slide the sensor onto the mounted sensor back.

7) Perform sensor testing.

8) Secure the mounting arm location by sliding the lock pin into the hole. Use the remaining small screw to secure the lock pin by screwing it up through the bottom of the hole in the mounting bracket.

Programming- *Enrolling Sensor*

The ADC-IS-100-LP and ADC-IS-100-SL is enrolled in the control panel via the Interactive Services menu, which is visible when the Alarm.com Image Sensor enabled GSM Module is used. Before completing image sensor enrollment, the control panel should be communicating with Alarm.com. For questions on modules and panel compatibility, refer to the Support Tools section of the Alarm.com Dealer Site.

To enroll the sensor in the Simon XT 1.3:

1) Remove batteries from the sensor.

2) On the panel, scroll until the screen displays "System Programming", press OK.

3) Enter the installer code (default 4-3-2-1) and press OK.

4) Scroll to "Interactive Services", press OK.

5) Scroll to "Image Sensor Setup", press OK.

6) Scroll to "Image Sensor Learn Mode", press OK.

7) Insert the batteries into the sensor.

8) Wait (approximately 10 seconds) for the control panel screen to display "Camera [x] Added as Sensor [y]".

9) The sensor is now learned into the panel. The sensors are enrolled in group 17 by default. To change the sensor group, use the Sensors menu in System Programming.

Troubleshooting

☑ Sensor Non-Responsive
- Verify Range: Verify sensor range is not an issue by confirming motion activations at sensor position with a functioning sensor. Alternatively, move non-responsive sensor close to control panel and verify operation.
- Replace Batteries: Check battery level at the panel and install fresh sensor batteries.

☑ Improper Motion Activations
- Environmental- Heating or cooling elements may adversely affect sensor performance. Test sensor with and without these elements to determine interference.
- Sensor Positioning- The sensor may not be properly positioned to capture the desired motion. Check horizontal positioning of sensor and re-mount as necessary.

Technical Specifications

Power Source: 2 AA 1.5v High Energy Lithium Batteries

Battery Life: Battery life varies widely by use case depending on frequency of motion activations on image capture settings configured by the customer