

Model CA9000

Passive Infrared (PIR) Occupancy Sensor



The CA9000 PIR Occupancy Sensor is a Z-wave™ enabled device which is fully compatible with any Z-wave enabled network. Z-wave enabled devices display the Z-wave logo and guarantee connectivity and interoperability between devices. Each line powered node in a Z-wave network is designed to act as a repeater forming a mesh network eliminating radio “dead spots” and providing the highest level of reliability.

Features

- Multiple location On/Off control when used with Z-wave enabled devices.
- Pre-set scene control when used with up to 5 Z-wave enabled devices.
- Full 229 device scene control when used with Intermatic InTouch™ server (CA5500B).
- Twin pyro sensor elements provide for high accuracy and reliability.
- Wide detection pattern can be used for whole room coverage.
- 3-Mounting options; Adjustable swivel neck rotates 30° vertically and 30° horizontally, Flat on wall, or Corner mount.
- Adjustable timing interval features settings for pulse, 5 minute, 10 minute, 15 minute, and Manual Off time ranges.
- Meets ASHRAE Standard 90.1 requirements.

Passive Infrared (PIR)

Passive Infrared occupancy sensors are designed to sense the motion of objects or bodies that are radiating heat. These sensors are installed to monitor areas where there are limited physical obstructions that could block the sensor's field of vision.

HOW THEY WORK: The human body naturally radiates heat in the form of infrared energy. As a body crosses through the sensor's field of vision, it “sees” the motion as a change in the pattern of infrared energy it is receiving.

INSTALLATION:

1. Mount sensor in location with clear view of area to be monitored using included tilt-swivel base or adhesive strips.
2. Separate rear housing from front by lifting upwards, install three (3) AA alkaline batteries in front housing and reattach to rear housing.
3. **Operation:** Press the activator button to enable and disable the sensor. Set the mode selector switch to desired mode: Pulse, 5 Min delay, 10 Min delay, 15 Min Delay or Manual Off mode.
4. For programming instructions refer to the *InTouch Installer & Users Guide* (158CA12789).

Specifications:

Wireless RF Control
 Operating Temperature Range:
 32°F (0°C) to 104°F (40°C)
 3x AA Alkaline Batteries

Ratings:

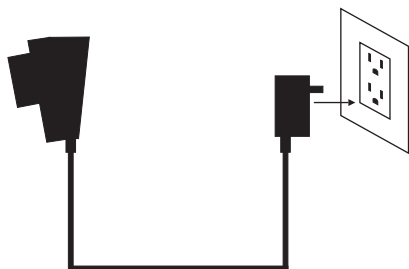
Wall-pack Transformer:
 Input: 120VAC, 50/60Hz;
 Output 9VDC 500mA (CATRFM)

RF Information:

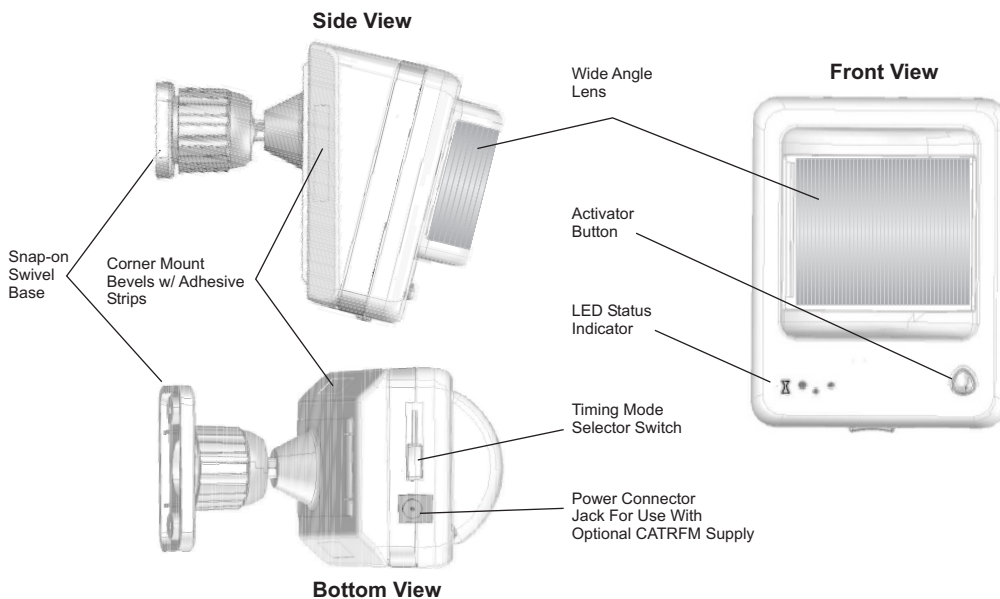
Minimum Range:
 50ft indoor; 100ft outdoor
 Frequency: 908.42 MHz

Network Information:

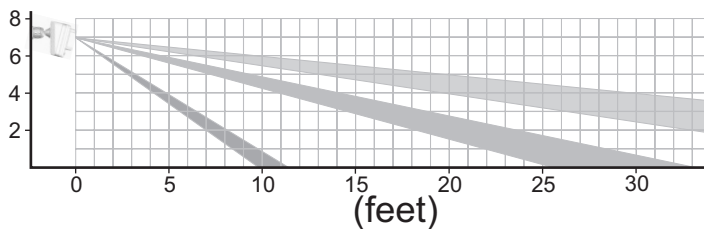
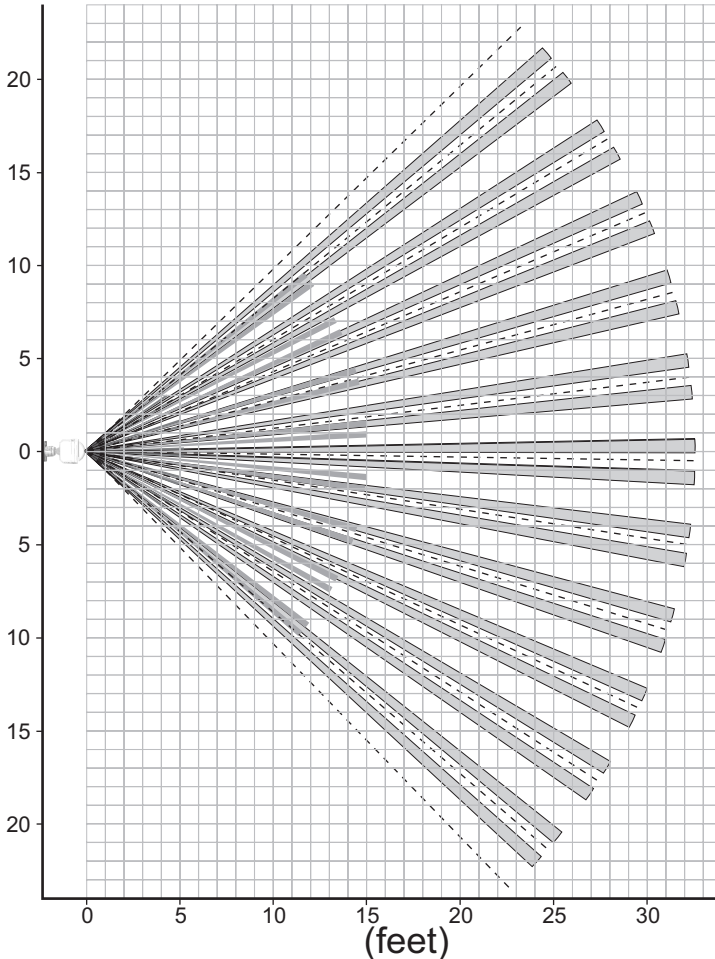
Mesh Network - Each line powered node acts as a repeater to route distant signals.
 Data Rate: 9600 bits/second
 Size: 232 Z-Wave™ Nodes



Optional Transformer Adapter (CATRFM)



CA9000 Coverage Pattern



FCC STATEMENT OF COMPLIANCE

This device complies with part 15 of the FCC rules. Operation of this device is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation.

NOTE: 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 or device.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING! Changes or modifications not expressly approved by Intermatic Inc. could void the user's authority to operate the equipment.

LIMITED TEN YEAR WARRANTY

If within ten (10) years from date of purchase, this product fails due to a defect in material or workmanship, Intermatic Incorporated will repair or replace, at its sole option. This warranty applies only to the original purchaser and is not transferable. This warranty excludes and this is disclaimed liability for labor for removal of this product or reinstallation. The warranty does not apply to: (a) damage caused by accident, abuse, mishandling, dropping, acts of God, or any negligent use; (b) units which have been subject to unauthorized repair, opened, taken apart, or otherwise modified; (c) units not used in accordance with directions; (d) damages exceeding the cost of the product. Some states do not allow a limitation of damages, so the foregoing limitation may not apply to you. This warranty gives you specific legal rights and you may have other rights that vary from state to state. **INTERMATIC INCORPORATED WILL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY AND THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, ARE HEREBY MODIFIED TO EXIST ONLY AS CONTAINED IN THIS LIMITED WARRANTY, AND SHALL BE OF THE SAME DURATION AS THE WARRANTY PERIOD STATED ABOVE.**

This warranty service is available by either (a) returning the product to the dealer from whom the unit was purchased, or (b) mailing postage prepaid to the nearest authorized service center listed. Please be sure to wrap the product securely when mailing to avoid shipping damage. This warranty is made by: Intermatic Incorporated, After Sales Service, 7777 Winn Road, Spring Grove, IL 60081-9698, 815-675-7000 www.intermatic.com