Honeywell Home

SiXOCC
Wireless Occupancy Sensor

INSTALLATION INSTRUCTIONS

The Honeywell Home SiXOCC Occupancy Sensor is a wireless device used with controllers that support Honeywell Home's SiX™ series devices.

The SiXOCC combines security motion detection and automation in one unit. Using automation, or occupancy mode allows the device to signal the control to turn a light on or off and/or a thermostat to a pre-programmed temperature.

NOTE: Lights controlled via Z-Wave devices have not been evaluated by ETL.

SECURITY SENSOR

The security sensor reacts to movement and tells the panel to react based on the control's programming.

1. Typically, it's programmed as an interior follower.
2. LED walk test mode indication, one for the intrusion detection and the other for the occupancy detection. (See testing for more information.)
3. Up to 40 pounds' pet immunity.

   If the system is Armed, the control goes into alarm.

   If the system is disarmed it turns the light on (or adjusts the thermostat) based on the explanation below.

OCCUPANCY SENSOR

When the control is disarmed (deactivated), the occupancy sensor switches to occupancy mode and reacts to the user's programming in the control. Logic is as follows:

General Operation

1. First detection activates turns on the lights and/or adjusts the temperature.

   Any small movement, such as the turning a page of a book or swiping a tablet will continue to keep the light on and temperature at the programmed levels.

2. When it stops detecting movement for a pre-defined time-period defined by the user/ installer, it will turn off the light and increase or lower the temperature until movement is detected again.

Daylight Savings

Daylight Savings sensor detects the lighting level in the room.

1. Turns on lights only if the daylight is below a certain level and tries to keep the same amount of light in the room.
2. Once the daylight has been evaluated, the SiXOCC decides when to turn on the light. Depending on the level the light turns on to 25%, 50%, 75%, and 100%.

   Example: If the natural room light level is at 100%, then the light does not turn on; at 0% natural light, the light turns on to 100%.

3. The level the light turns on can be set to a certain % (vs. slowly increasing the light level). For example, any natural light level decrease turns on the light to 100%.

Programmable to turn the feature on (described above), or off (when it detects any movement).
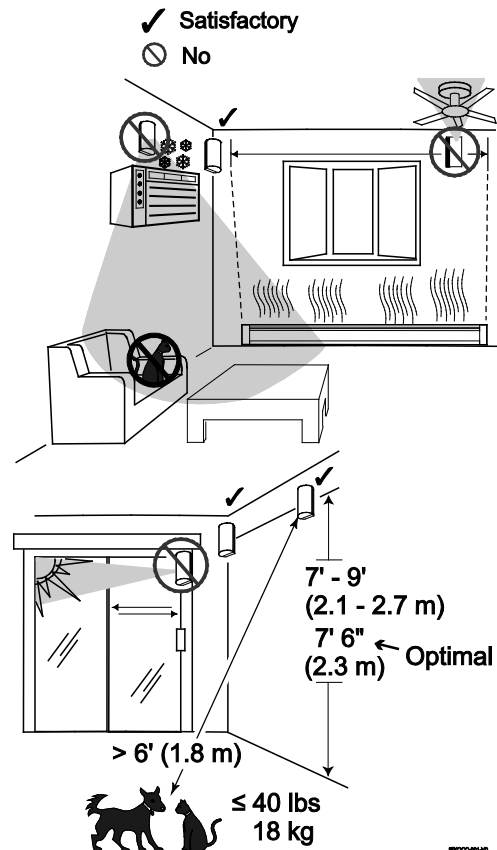
MOUNTING LOCATION

- The optimal range is obtained at a mounting height of 7' 6" (2.3m).
- Allow a clear line-of-sight to all areas to protect.
- Do not directly face windows.
- Avoid close-proximity to moving machinery, fluorescent lights, and heating/cooling sources.

For use in applications with pets up to 40 pounds (36 kilograms).

In Applications with Animals:

- Mount with the center of the device at 7.5 feet (2.3m)
- Mount where pet cannot come within 6 feet (1.8m) of the sensor by climbing on furniture, stairs, boxes or other objects.

Test each installation to determine exact level of animal immunity; levels vary based on environmental differences and the amount of heat radiated by an animal.

✓ Satisfactory
⊘ No

7' - 9'
(2.1 - 2.7 m)
7' 6"
(2.3 m) ← Optimal

> 6' (1.8 m)

≤ 40 lbs
18 kg

MOUNTING OPTIONS

After enrolling, verify adequate signal strength by conducting Go/No Go tests (see the controller's instructions) with the device in its intended mounting location. Adjust the device location and orientation as necessary.

The SIXOCC can be mounted on the wall or in corners:

- **[A]** = Wall mounting holes.
- **[B]** = Corner mounting holes.
- The rear tamper plate MUST be mounted to a stud, solid wood, or with a robust wall anchor.

#4 x 1"
(2,9 mm x 25 mm)

#4 x 1"
(2,9 mm x 25 mm)

SIXOCC-002-V1
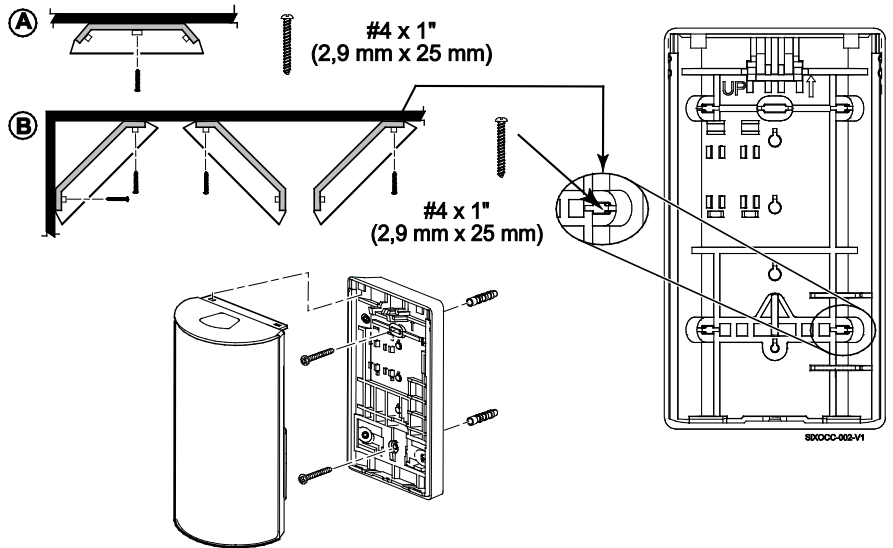
ENROLL THE SIXOCC

NOTE: Once enrolled in a system, the sensor cannot be used with another controller until it is removed from the current controller. See the Controller's instructions for details.

Press down on the top latch and separate the front and back covers.

1. Put the controller in Programming Mode and when prompted:
2. Remove the battery tab to activate and begin the enrollment process. Or, if powered, press the tamper.
3. The green LED beneath the batteries flashes (up to about 20 seconds*) during enrollment. The device sends its unique MAC ID (Serial Number) and Services information to the controller.

   NOTE: Enrollment time varies depending on the signal strength between the device and the controller.

4. Enrollment is confirmed when the LED is ON for 3 seconds.

   NOTE: If the sensor is not successfully enrolled during the enrollment period, the LED turns off and the device enters a sleep mode. Activate a tamper or remove and reinsert the batteries to restart the enrollment process.

   NOTE: Pet Immunity is selectable: Off or Up to 40 lbs (36 kg).

Sensor Location Feature: To verify the location of each SiX device in an installation, enter programming mode and select a SiX device. The device LED lights. Select it again to turn the LED off or select the next device to locate.

You must enroll the device in the control. Refer to the control's programming instruction for detailed procedures.

③ The LED flashes for approximately 20 seconds

LED is ON for 3 seconds confirming enrollment

SIXOCC-003-V1
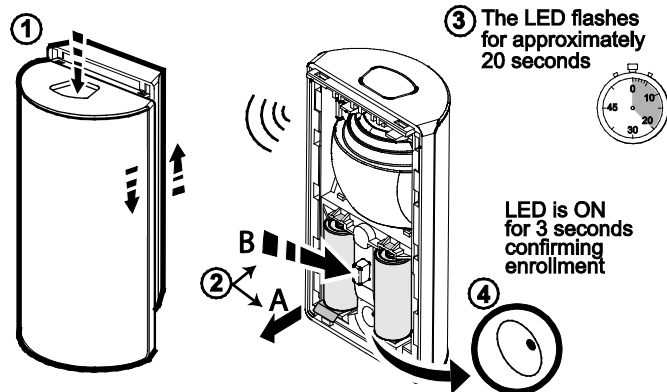
Signal Strength:
Range of 1-4 bars (green); should be minimum 1 green bar for the Zone being programmed. Four red bars indicate poor signal strength; the device should be relocated. See the Controller's instructions for bar indication signal strength values.

Icon	Description	Signal Strength
	Four Green Bars	Good
	Three Green Bars	
	Two Green Bars	
	One Green Bar	
	Four **Red** Bars	Relocate the device

24-HOUR ENROLLMENT DELETION AND DEFAULT

If the device is enrolled in a panel different than the intended panel, and you are unable to delete it from the unintended panel, reset default the device to factory default setting:

1. Open the cover and remove the batteries.
2. Insert the batteries while holding the tamper switch down for 10 seconds.

This procedure is available for 24 hours after enrollment with a panel and the device remains powered (batteries installed).

WALK TEST THE SIXOCC

After power up and enrollment, the sensor automatically enters Walk Test mode.

Walk through the detection area and observe the LED.

After 10 minutes, the sensor automatically exits Test mode, disables the LED and enters normal operation mode.

To restart a 10-minute Test period, activate the Test mode with the controller (see the Controller's instructions), or use the flashlight feature (see the following section).

NOTE: the system must be **disarmed** to enter Test Mode.

When in walk test the LED shows red for intrusion and green for occupancy.

Activate the test mode from the control

OR

< 4' (1.2m)

1/2 sec. hold 3-5x

10 minutes

< 4' (1.2m)

1/2 sec. hold 3-5x

Restart 10 minute Test
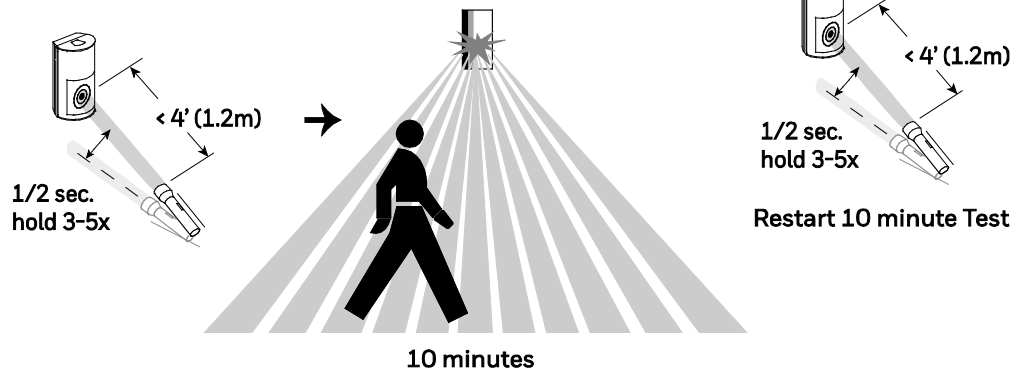
FLASHLIGHT FEATURE

The flashlight feature is only available for the first 24 hours after the first power up, or until the system is first armed. **This feature is no longer available after the first system arming**.

Each time the flashlight features is used, and the system is disarmed, the walk test timer restarts for 10 minutes.

When in walk test the LED shows red for intrusion and green for occupancy.

1. Use a flashlight with a bright light beam, and stand within 4ft (1.2 m) of the sensor.
2. Swing the light beam past the sensor Lens 3-5 times, holding the beam on the window for 0.5 second each pass.
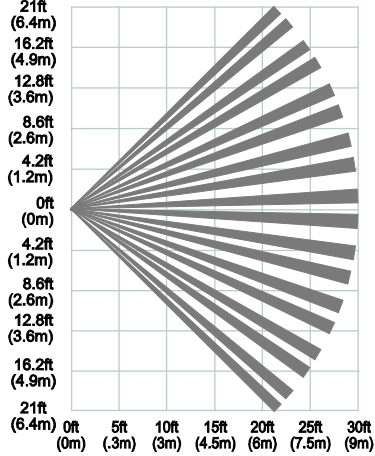
NOTE: The flashlight feature only imitates or restarts the Test Mode and does not change any other sensor settings.
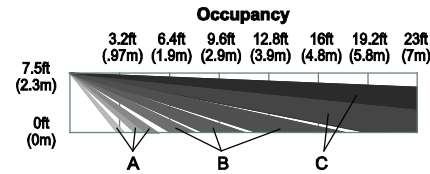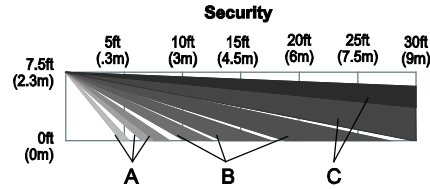
< 4' (1.2M)

Hold 1/2 sec. 3-5 times to activate test mode.
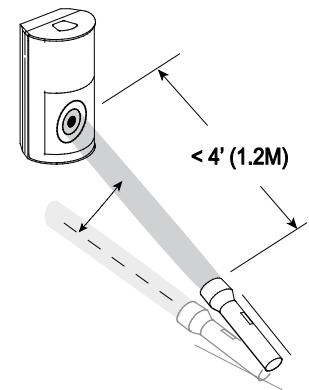
DETECTION PATTERNS

Intrusion Mode

Top View

Side View

Security

| | 5ft (.3m) | 10ft (3m) | 15ft (4.5m) | 20ft (6m) | 25ft (7.5m) | 30ft (9m) |

A   B   C

Occupancy

| | 3.2ft (.97m) | 6.4ft (1.9m) | 9.6ft (2.9m) | 12.8ft (3.9m) | 16ft (4.8m) | 19.2ft (5.8m) | 23ft (7m) |

A   B   C

Zones (Both Security and Occupancy Modes)

A	18	Lower
B	46	Intermediate
C	36	Long

Occupancy Mode

Top View
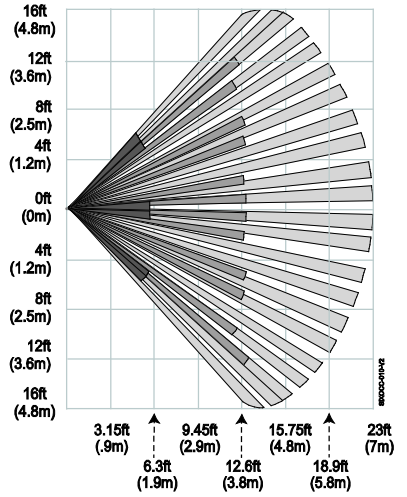
BATTERY REPLACEMENT

- Press the latch at the top of the device and slide the front cover down to remove it.
- Remove the batteries and wait 10 seconds, then insert the new batteries. Recommended batteries: Panasonic CR123A, Honeywell 466, Huiderui CR123A, Duracell DL123A

- Place the front and back covers together and slide the front cover upward as shown.

NOTE: Constant exposure to high or low temperature or high humidity may reduce battery life.

BATTERY CAUTION!

Risk of fire, explosion and burns. Do not recharge, disassemble, heat above 212°F or incinerate. Dispose of used batteries properly. Keep away from children.

Panasonic CR123A
Duracell DL123
Duracell DL123A
Honeywell 466

~ 10 sec
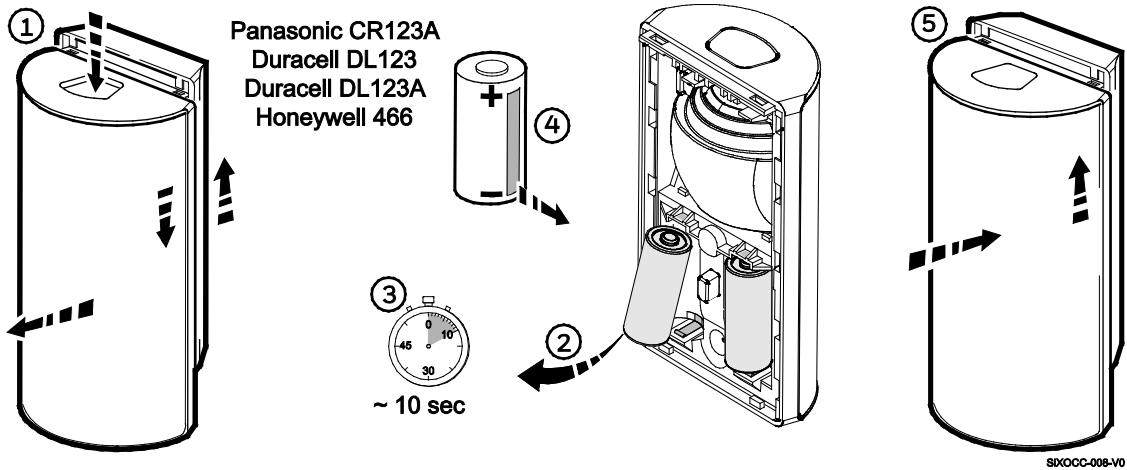
SIXOCC-008-V0

LED INDICATORS

	PATTERN	TIME DURATION	OCCASION

FRONT RED LED (INTRUSION)

	PATTERN	TIME DURATION	OCCASION
Warm Up	Steady Blink (1s/1s)	6-45 seconds	Power On
Sensor Location Feature	ON when zone selected; OFF when not selected	Time of selection	When the user selects the zone in question in controller programming
Enter/Exit walk test mode	Quick Flash	2 seconds	Enter or Exit Walk Test mode
Trouble	Slow then long blinks	Flash if the error exists	Self-Test Error
Movement Detected with no Pet Immunity / Panel programmable	Slow Blink	3 seconds	Movement detected in walk test mode
Movement Detected with Pet Immunity / Panel programmable	3s ON	3 seconds	Movement detected in walk test mode

FRONT GREEN LED (OCCUPANCY)

	PATTERN	TIME DURATION	OCCASION
Off	N/A	N/A	Normal operation when no activity detected
Occupant Detection	3s Slow Blink	3 seconds	Movement detected in walk test mode

REAR GREEN LED

	PATTERN	TIME DURATION	OCCASION
Not enrolled in a network	Fast Blink	0-60 seconds	Powered on, seeking enrollment to the controller
Enrollment Confirmation	3s ON	3 seconds	Process is complete and enrollment confirmed
Enrolled and programmed into the controller's network	3 seconds ON	3 seconds	Upon power up
Delete	Fast Blink	2 seconds	During deletion from the panel
Tamper (already enrolled)	Short Flash every 3s	10 minutes	Tamper triggered, while the tamper is faulted
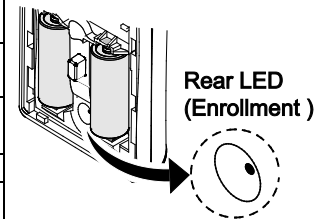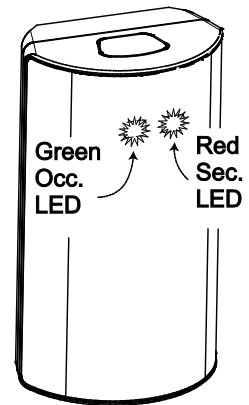
SPECIFICATIONS

Batteries .... Two 3-volt lithium; Duracell DL123A, Panasonic CR123A, or HUIDERUI CR123A., Honeywell 466

Full Range... **Security**: 30ft x 42ft (9m x 12.8m) / **Occupancy**: 23ft x 32ft (7m x 9.8m)

Angle of Detection.. 90 Degrees

Default Sensitivity Setting............................... Lowest Sensitivity, Pet Immunity Enabled

Wall Mounting Height...................................... 7' – 9' (2.1 m – 2.7 m); Optimal 7'6" (2.3 m).

RF Frequency.. 2.4 GHz

Tamper... Cover

Dimensions .... 4.5 in. (11.4 cm) diameter, 2.5" (6.3 cm) deep

Relative Humidity .... 95% (Agency Compliance – 93%), Non-condensing

Operating Temperature .... 32° – 122°F / 0° – 50°C

Weight.. 4.34 oz. (123.04g)

REFER TO THE INSTALLATION INSTRUCTIONS FOR THE CONTROL WITH WHICH THIS DEVICE IS USED, FOR DETAILS REGARDING LIMITATIONS OF THE ENTIRE ALARM SYSTEM.

RF EXPOSURE

Warning – The antenna(s) used for this device must be installed to provide a separation distance of at least 7.8 inches (20 cm) from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC and ISED multi-transmitter product procedures.

Mise en Garde

Exposition aux Fréquences Radio: La/les antenne(s) utilisée(s) pour cet émetteur doit/doivent être installée(s) à une distance de séparation d'au moins 20 cm (7,8 pouces) de toute personne et ne pas être située(s) ni fonctionner parallèlement à tout autre transmetteur ou antenne, excepté en conformité avec les procédures de produit multi transmetteur FCC et ISED.

APPROVAL LISTINGS / APPROBATIONS HOMOLOGATIONS

FCC / IC
cETLus Listed
  Conforms to UL 639
  Certified to ULC-S306-03

OTHER STANDARDS

SIA-PIR-01
RoHS

SUPPORT, WARRANTY, & PATENT INFORMATION

For online support information, please go to:
https://mywebtech.honeywellhome.com/

For the latest warranty information, go to:
https://www.security.honeywellhome.com/hsc/resources/wa/index.html

For patent information, see https://www.resideo.com/patent

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