

INSTALLATION

English

WARNINGS AND CAUTIONS:

- TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH ELECTRICAL CODES AND REGULATIONS.
- IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- TO BE USED FOR INDOOR APPLICATIONS ONLY (10-30°C ENVIRONMENTS).
- DO NOT EXPOSE THIS DEVICE TO DIRECT SUNLIGHT. IT IS INTENDED FOR INDOOR USE ONLY, WITH OPERATIONAL LIGHTING REQUIREMENTS FROM 4 TO 100 FOOT CANDLES (1000 LUX)
- DO NOT EXPOSE THIS DEVICE TO CONDITIONS IN EXCESS OF 100 FC

DESCRIPTION:

The Wireless Occupancy Sensor is a solar powered & battery-free wireless transmitter that communicates with a wide variety of receivers. Each time motion is detected, the transmitter sends a wireless signal that commands the receiver to turn a device off or on. A switch can also be added to control the lights.

COMPATIBLE DEVICES:

- 3-Wire Relay
- 4-Channel Low Voltage Receiver
- More receivers available
- 5-Wire Relay
- Room Controller
- Wallbox receiver switch
- Plug-in Dimmer/Relay
- Thermostat

EQUIPMENT NEEDED FOR INSTALLATION

- Slotted Screwdriver
- Phillips screwdriver
- Double Sided Foam Mounting Tape (Included - for "screwless" mounting)
- Wall Anchors and Screws (Anchors Not included - for "screw to" mounting)
- Ceiling Tile Stem, Nut, & Washer (Included - for "ceiling tile" mounting)

PROGRAMMING AND ACTIVATION:

1. **Do not mount the sensor until after it has been programmed** to communicate with all appropriate receivers.
 2. **Do not remove Test Cover until after it has been tested.**
 3. **Make sure the sensor is within 16 feet (5 meters) of the desired receiver when programming.**
 3. **Programming:** To associate a sensor with a receiver, carefully remove the access door with a slotted screw driver, then press the learn button on the Wireless Occupancy Sensor while the receiver is in the desired Program Mode (see receiver instructions for programming).
 4. **Activation:** Once an Occupancy Sensor has been associated with a receiver, its load will turn on each time the sensors field of view is entered.
 - In Auto on mode the sensor will turn the load on with initial motion and start the time delay. Time delay will reset every 60 seconds with occupancy.
 - In Manual on mode the sensor will start the time delay at first occupancy detection. Time delay will reset every 60 seconds with occupancy.
- PLEASE NOTE:** Do not attempt to activate loads while receivers are in Program Mode or other devices could be accidentally added or deleted from memory. Receivers have reduced range during programming. Wireless Occupancy Sensor start up time is 2-4 minutes out of the box depending on light source (keep this in mind while considering mounting location). Wireless Occupancy Sensor Self Powered light requirements are approximately 20 foot candles for 3 hours every 24 hours (keep this in mind while considering mounting location). If these requirements cannot be met, consider utilizing battery backup feature or the two pin 24 vdc connection located underneath the sensor as the power source for your application.

SPECIFICATIONS	
WSC04-lxW and WSC15-lxW	
F.O.V.	WSC04=450 sq. feet - WSC15=1500 sq. feet
Frequency / Range	315 MHz / 50-150 feet
Power Supply	Solar Powered, Battery for backup (not required)*
Channels	1 Channel
Output Channels	Only limited by number of receivers in range
Addressing	Factory set unique ID (1 of 4 billion)
Radio Certification	FCC (United States) QGH-WSCR I.C. (Canada) 2437A-WSCR

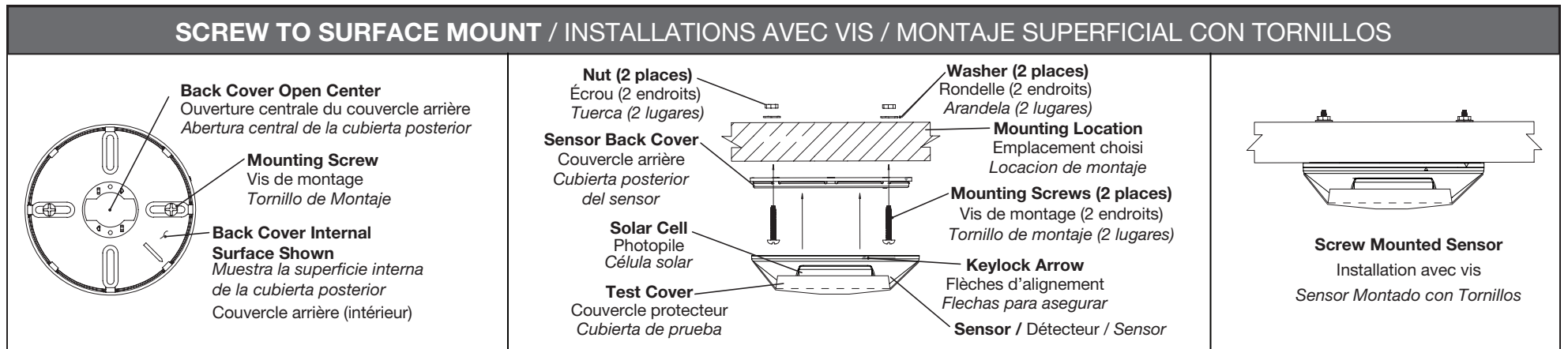
*Battery - 1/2 AA, 3.6v Lithium

INSTALLATION

Wireless Occupancy Sensors can be mounted using screws, adhesive foam, or ceiling tile mounted using the provided ceiling tile stem, nut, & washer.

SCREW TO SURFACE MOUNT:

1. Select location for mounting of sensor. If necessary, drill pilot holes into the mounting surface.
2. Use the included screws to mount the wireless Occupancy Sensor to the surface (wall anchors [not included] can be used with these screws).
3. Remove the back cover of the sensor. Hold the back cover and body of the sensor and rotate until the two arrows line up and pull apart.
4. Install back cover of the ceiling sensor to desired location using the included screws, nuts and washers, or screws in combination with commercially available wall anchors.
5. Secure the sensor body to the back cover by aligning the arrows. Lock it by turning the sensor such that the arrows do not line up.
6. Rotate the sensor to the desired orientation.

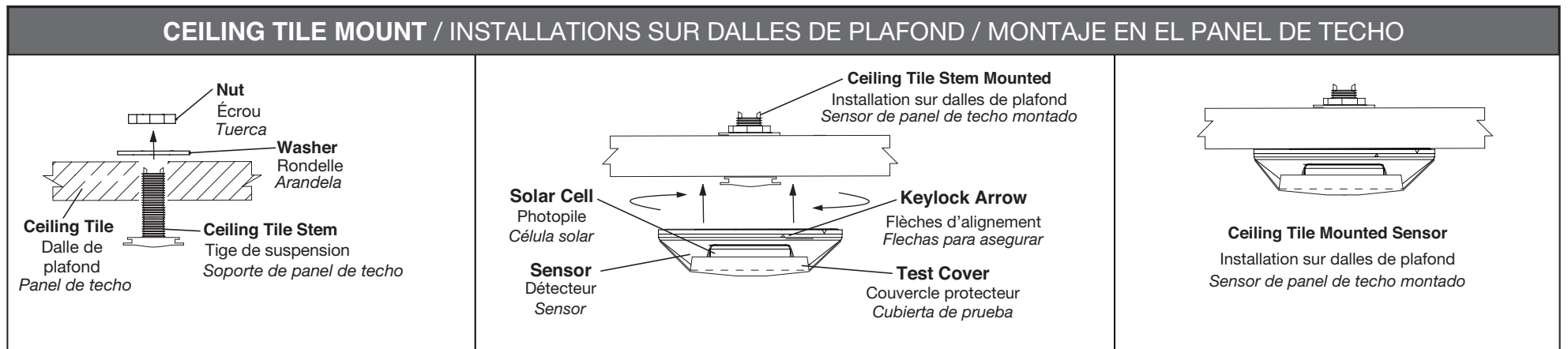


ADHESIVE SURFACE MOUNT:

1. Remove backing material and apply double sided mounting tape to the Sensor Base.
2. Press and hold the Wireless Occupancy Sensor to the desired mounting surface for a few seconds before releasing.

CEILING TILE MOUNT:

1. Use the included ceiling tile stem to push through the ceiling tile in the desired location. Install the proper washer and nut above the ceiling tile to secure.
2. Connect Sensor Base to the stem and twist to secure, reference figures below for details.
3. Rotate the sensor to the desired orientation. Note that the sensor base and back cover are keyed. To lock the device in place, ensure that the arrows are not aligned.



TESTING:

1. Ensure Test Cover is in place to control Test Environment:
 - a. Assure device pairing is properly completed.
 - b. Verify timeout/load off function occurs accurately.
 - c. Remove Test Cover and verify Auto-On responds energizing load(s).
2. Walk test the sensor for correct field of view and operation within responsible space.
 - a. Adjust sensor by rotating as needed to fine tune performance.

TROUBLESHOOTING :

1. Verify Red LED is blinking every 60 seconds with occupancy, this indicates the device is charged and transmitting.

FCC COMPLIANCE STATEMENT:
FCC ID: QGH-WSCR IC: 2437A-WSCR
The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(i.) This device may not cause harmful interference
(ii.) This device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by Leviton could void the user's authority to operate this equipment.

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