

Occupancy/Vacancy Sensor Installation Relative to 2.4 GHz RF Devices

Overview

Microwave energy (2.4 GHz) like that transmitted by wireless routers and microwave ovens is known to couple into the motion-detecting passive-infrared circuitry in occupancy and vacancy sensors which are in close proximity. This type of coupling could result in a sensor falsely detecting motion in an empty room and can affect all sensors that rely on passive-infrared sensing technology. Please note that 2.4 GHz devices do not interfere with wireless communications between Lutron sensors and systems. Additionally, Lutron sensors do not interfere with third party devices and systems that operate at 2.4 GHz.

DO NOT mount the sensor within 4 ft (1.2 m) of HVAC vents, halogen or incandescent light bulbs, microwave ovens, Wi-Fi routers, IOT cameras, or other non-Clear Connect wireless devices. When using Clear Connect-Type X lamps or fixtures, ensure sensor is mounted at a distance of 2 ft (0.6 m) or greater from the lamp or fixture.

Lowering sensor sensitivity will help to further reduce false motion detection near 2.4 GHz devices.

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