

## Occupancy/Vacancy Sensor Installation Relative to 2.4 GHz RF Devices

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### 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 and Clear Connect® devices do not interfere with 3<sup>rd</sup> party devices and systems that operate at 2.4 GHz.

When installing a sensor in close proximity to a wireless router, microwave oven, or other 2.4 GHz devices, the following guidelines are recommended:

- Install sensor a minimum of 4 ft (1.22 m) away from the 2.4 GHz device.
- Lowering sensor sensitivity will help to further reduce false motion detection near 2.4 GHz devices.

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### Lutron Contact Numbers

#### WORLD HEADQUARTERS USA

Lutron Electronics Co., Inc.  
7200 Suter Road  
Coopersburg, PA 18036-1299  
TEL: +1.610.282.3800  
FAX: +1.610.282.1243  
Customer Assistance:  
1.844.LUTRON1 (1.844.588.7661)  
intsales@lutron.com

#### EUROPEAN HEADQUARTERS United Kingdom

Lutron EA Ltd.  
6 Sovereign Close  
London, E1W 3JF United Kingdom  
TEL: +44.(0)20.7702.0657  
FAX: +44.(0)20.7480.6899  
FREEPHONE (UK): 0800.282.107  
Technical Support: +44.(0)20.7680.4481  
lutronlondon@lutron.com

#### ASIAN HEADQUARTERS Singapore

Lutron GL Ltd.  
390 Havelock Road  
#07-04 King's Centre  
Singapore 169662  
TEL: +65.6220.4666  
FAX: +65.6220.4333  
Technical Support: 800.120.4491  
lutronsea@lutron.com

#### North & South America Technical Hotlines

USA, Canada, Caribbean:  
1.800.523.9466  
Mexico:  
+1.888.235.2910  
Central/South America:  
+1.610.282.6701

#### Asia Technical Hotlines

Northern China: 10.800.712.1536  
Southern China: 10.800.120.1536  
Hong Kong: 800.901.849  
Indonesia: 001.803.011.3994  
Japan: +81.3.5575.8411  
Macau: 0800.401  
Taiwan: 00.801.137.737  
Thailand: 001.800.120.665853  
Other Countries: +65.6220.4666