

# Wireless Lighting Controls

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## Frequently Asked Questions

### What is being announced?

The NX Connect lighting control system is an easy to deploy, code compliant solution for industrial and commercial applications. It provides zonal control based on occupancy, ambient daylight, and manual scene recall.

Each room acts independently and can contain multiple devices.

The components of the NX Connect system are: one, two or three zones room controllers (NXC-WA200 series), battery-operated sensors (NXC-WOS3-PC) and battery-operated switches (NXC-WWD2 series), fixture embedded sensors (NXC-WHS20 for high bay applications or NXC-WIZ20 for commercial applications).

## Features and benefits

### How many wireless devices can be grouped in one “room”?

A “room” can contain up to 50 wireless devices: room controllers, in-fixture sensors, battery operated sensors and switches, but no more than five switches per room. Maximum distance between devices is 100 ft without obstructions and 30 ft through walls.

### Can more than one room controller be installed in one “room”?

Only the single zone room controllers (NXC-WA210) can share the room.

### How many two & three zones room controllers can be installed in one “room”?

Only a single two zone (NXC-WA220) or a single three zone (NXC-WA230) room controller can be deployed in one room. They can share the room with other sensors and switches but not with other room controllers.

### Can I use a two or three-zone room controller to control multiple lighting circuits in the room?

No, regardless how many zones a room controller has, it can control a single circuit with a maximum of 20A load per controller. The zonal loads do not need to be balanced, so one zone can be 15A while the other 5A.

### For two & three zones room controllers, can each zone be programmed with different parameters?

Yes, each zone can have its own configuration for light levels while occupied, daylight harvesting, switch operation

### Can an occupancy sensor or photocell be assigned to a single zone in the room or only to the entire room?

Any sensor or switch can be assigned either to the whole room or to a single zone in the room.

### Can each button on a scene switch be programmed with different presets for each zone in the room?

Yes, the scene switch can be programmed to control each zone with a different preset. For example, button 1 can have the preset: Zone 1 - 100%, Zone 2 - 25% and Zone 3 - OFF.

### Can I add a switch to more than one room?

A. The battery-operated switches (NXC-WWD2) cannot control more than one room. The kinetic switches (ZBT-S1AWH) can be associated with multiple rooms with the restriction they need to be within 30 ft range with no obstructions from at least one device in each room they control.

### Can I add a time schedule to my room?

No, the system operates just based on occupancy sensors, daylight sensors and manual control using the override switches. As a note, turning the lights OFF by switch is automatically setting the room to Vacancy mode. To revert to Occupancy mode requires to turn the switch ON.

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### Can I use same settings for multiple rooms?

Yes, if multiple rooms have a similar configuration the app allows to save the settings as a profile which can then be applied to other rooms.

### Can I program an open office so that during occupied time the night lights will turn ON at 100% but when the space is unoccupied, they will remain ON at 15%, while the normal lights will follow ON/OFF control?

Yes, this scenario can be accomplished using a two-zone room controller. The normal lights will be associated to Zone 1 while the night lights to Zone 2. The occupancy sensors will be associated to the entire room. The stand-by level for Zone 2 (night lights) will be setup at 15%.

### Can I share my rooms with other people?

Yes, it is recommended to share the rooms at time of creation.

### I did start the app and I can see the rooms, but they show as “locked” rooms. How can I unlock them?

Lock rooms means these rooms were not shared with you. In order to access these rooms will need to contact a person that has access to these rooms and ask to add your email to the room/team access.

### Do I need internet connection while commissioning the rooms?

Yes, user credentials are stored in the cloud, therefore internet access is required when commissioning a system.

### I am moving around under a fixture with an embedded sensor and it will not light up. I know the sensor “sees” me because it flashes each time I move under it. What is wrong?

Depending on the parameters used when the room was commissioned, there may be many reasons why one or more fixtures remain off, even though occupancy is detected beneath them. Some of these reasons may be:

1. Daylight Harvesting is enabled. In this case, if the light available under a particular fixture is high enough, the fixture will turn itself off (to save energy) even though occupancy is detected.
2. The room may have been turned off using the wireless wall switch. In that case, regardless of the operating mode, all fixtures will remain off even when occupancy is sensed beneath them. If a room was turned off using the wall switch, the only way to turn the lights back on again is to press the “ON” side of the wall switch.
3. The room may be programmed to operate in vacancy mode. The lights can be turned ON only by the switch.
4. Room programming error, the Task and/or Background Level may have been programmed to 0% light level. In this case need to adjust the program.
5. As a note, if the room does not operate as expected, the first step is to check the room profile as well as the node configuration (to confirm the correct profile is stored in the node (room controller or embedded sensor).