

## **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), self-powered switches (ZBT-SWAWH), 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, self-powered switches but ***no more*** than five self-powered switches per room. Maximum distance between devices is 100 ft direct line of sight and 30 ft through obstacles. Battery operated devices do not repeat the signal so they cannot extend the mesh. **When commissioning large spaces, create and save the room in phases, including only the fixtures in 30 ft range from the commissioning device (iPhone, iPad).** Then open the newly created room to add more fixtures – maintaining the 30 ft range. Repeat until all fixtures are commissioned.

This process will ensure the added sensors communicate to the app via Bluetooth and receive the correct network ID corresponding to the room.

### **How many zones can be created in a “room”?**

A room can contain up to six zones.

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

Two 3-zones room controllers or three 2-zones room controllers can be commissioned in same room. Single zone room controllers can be added to any of the zones.

### **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 only one single circuit (one hot in) 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 rooms with multiple zones, 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, strategy.

**Can an occupancy sensors 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, Zone 4 not included in the scene. The Fade time can be adjusted as well.

**Can the 4-button switch be used to control two zones?**

Yes, the 4-button switch can be commissioned either as Scene controller or as Switch. During the commissioning process, the app will prompt to change the switch personality either to scene or 2-zone operation.

**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.

**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 share my rooms with other people?**

Yes, it is recommended to share the rooms at time of creation, but they can be shared remote as well. The persons the rooms are shared with need to have an NX Connect account.

**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. To access these rooms will need to contact a person that has permissions 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?**

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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, to manually 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).