NXSMDT OMNI Ceiling Mount Sensor

Frequently Asked Questions

What is NXSMDT OMNI?

NXSMDT-OMNI is a Digital Smart Sensor specifically designed for indoor ceiling mount applications. It can be connected via a wire to a NXRCFX2 Room Controller or NXFM2 Fixture module through its mini smartPORT or connected wirelessly to a Next Gen NXSMP2 sensor or Next Gen NXRM2-H radio module.

What sensor technologies are included with NXSMDT-OMNI Sensor?

The NXSMDT-OMNI sensor includes both Passive Infrared (PIR) and Ultrasonic (US) for occupancy detection as well as photocontrol for daylight harvesting. The NXSMDT-OMNI occupancy detection technologies can be adjusted to perform independently or together as a Dual tech sensor. All sensors ship with photocontrol disabled from the factory.

How can I adjust the occupancy settings and sensitivity of my NXSMDT-OMNI?

Using the NX Lighting Controls App you have the ability to configure a number of different settings on the NXSMDT-OMNI. Adjustment of Occupancy timeout can be made down to the second, the sensor can be adjusted to function as PIR Only, Ultrasonic Only, or in Dual Tech mode (default). Sensitivity settings for both technologies can be made in the app as well as several other settings.

What is IntelliSCOPE?

Each sensor also comes enabled with our proprietary IntelliSCOPE technology which allows you to see real time occupancy data from your mobile device providing more accuracy and faster commissioning times. New with NXSMDT-OMNI is the ability to see occupancy data from multiple technologies.

Can you connect multiple NXSMDT-OMNIs on a bus?

Yes. All NXSMDT-OMNI sensors ship with a NXCBL-P2 SmartPORT mini to Dual RJ45 to allow for easy daisy chaining between sensors and/or other Room Control devices.

NXSMDT-OMNI comes with wireless capabilities

What is new in the NX Wireless Platform?

The NXSMDT-OMNI sensor now provides both Bluetooth and Wireless 2.4GHz communication in a single device. These improvements allow for simple design, installation and commissioning saving time and cost on both new and retrofit deployments.

How is the NXSMDT-OMNI sensor programmed?

The NXSMDT-OMNI can be easily programmed through our free to use NX Lighting Controls App, available Android and iOS devices.

Does the NX Lighting Controls App require a cloud connection and/or cellular connectivity?

No. Once you have installed the NX Lighting Controls App on your device you do not need any cellular connection to program a NX system. Just be sure to verify that your Bluetooth is enabled on your device so you can discover and commission NX devices.

Can my NXSMDT-OMNI be configured from a NX Area Controller?

Yes the latest version of the NX Area Controller now supports the new NXSMDT-OMNI which allows to you discover, commission and configure your NX system.

When using the NXSMDT-OMNI Wireless capabilities how many NX Wireless Devices can be placed into a single zone?

Up to 100 NX Wireless Devices can be placed in a single zone or space.

Is the NXSMDT-OMNIs new wireless platform compatible with the previous generation NXSMP1 sensors and radios?

No. The NXSMP 1.0 wireless devices are not compatible directly with the Next Gen wireless platform in the NXSMDT-OMNI. However, by adding a NX Network Bridge you can combine the two wireless systems to work seamless together on the same site. For additional information contact NX Lighting Controls Tech Support for more details.

What is the maximum distance between NXSMDT-OMNI Sensors and other Next Gen Wireless devices?

All NX Wireless devices are rated for a maximum of 100ft line of site indoors and 300ft line of site outdoors.

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