

NXSMDT-LH & NXSMIR-LH Wall Switch Sensor

Frequently Asked Questions

What is the NX Digital LightHAWK?

The NX LightHAWK is a combination Smart Wall Switch and Digital Smart Sensor specifically designed for wall switch applications. It can be connected via a wire to a NXRCFX2 Room Controller or NXFM2 Fixture module through its dual RJ45 SmartPORTs or connected wirelessly to a NX Next Gen wireless capable product (NXSMP2, NXRM2, NXSMDT-OMNI, NXSW-WRS).

What sensor technologies are included with the NX Digital LightHAWK Sensor?

The NX LightHAWK comes in two sensor technology options. The NXSMDT-LH sensor includes both Passive Infrared (PIR) and Ultrasonic (US) for occupancy detection as well as photocontrol for daylight harvesting. The NXSMIR-LH sensor includes both Passive Infrared (PIR) only for occupancy detection as well as photocontrol for daylight harvesting. Both versions of the NX LightHAWK can adjust the occupancy detection technologies with the Dual Tech (NXSMDT) version being capable of adjusting technologies 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 NX Digital LightHAWK?

Using the NX Lighting Controls App you have the ability to configure a number of different settings on the NX LightHAWK. Adjustment of Occupancy timeout can be made down to the second, the sensor the Dual Tech (NXSMDT-LH) version can be adjusted to function as PIR Only, Ultrasonic Only, or in Dual Tech mode (default), whereas the PIR Only (NXSMIR-LH) version can only function as a PIR Only Sensor. 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 NX LightHAWK is the ability to see occupancy data from multiple technologies (PIR only on the NXSMIR-LH version).

Can you connect multiple NX Digital LightHAWKs on a bus?

Yes. The NX LightHAWK comes standard with dual RJ45 SmartPORTs built into the back box to allow for easy daisy chaining between sensors and/or other Room Control devices.

How many PBUs is the NX Digital LightHAWK?

The NX LightHAWK is 5 PBUs. This allows for up to 6 to be daisy chained on a single Room Controller before additional power is needed.

Will the NX Digital LightHAWK require manual addressing?

No. The NX LightHAWK will be digitally addressable and not have an address wheel that requires manual change.

What does the material nomenclature mean?

There are 6 different NX LightHAWK variations split between two different occupancy sensing types and three different button configuration types. All 6 variations will be available in White, Black, Gray, Ivory, Light Almond, and Red.

Technology		Button Configuration	
NXSMDT	Dual Tech	LH0	No Button
NXSMIR	Passive Infrared	LH1	1 Button Rocker
		LH2	2 Button Rocker

What switch types are available on the NX Digital LightHAWK?

The NX LightHAWK will act as an NX Smart Switch and have all switch types in the NX Switch Type library available. The one-button rocker will have two individually assignable switches and the two-button rocker will have four individually assignable switches.

What are the Default Switch Types on the NX Digital LightHAWK?

The 1 Button Rockers (LH1) are defaulted to On/Raise for the top rocker and Off/Lower for the bottom rocker.

The 2 Button Rockers (LH2) are defaulted to On for the top left rocker, Off for the bottom left rocker, Raise for the top right rocker, and Lower for the bottom right rocker. (See Spec Sheet for diagram)

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The NX LightHAWK comes with wireless capabilities

What is new in the NX Wireless Platform?

The NX Digital LightHAWK 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 NX Digital LightHAWK sensor programmed?

The NX LightHAWK 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 NX Digital LightHAWK be configured from a NX Area Controller?

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

When using the NX Digital LightHAWK 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 NX Digital LightHAWKs 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 NX LightHAWK. 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 NX Digital LightHAWK 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.