

NXSMDT Series

WALL SWITCH SENSOR - LIGHTHAWK

FEATURES

- Digitally configurable Dual Technology Ultrasonic (US) and Passive Infrared (PIR) detection technologies
- Simple wired plug-and-play connection to NX Room Controllers and hybrid wireless connection to NX wireless enabled devices
- Integrated 2.4GHz Wireless Mesh and Bluetooth radio for easy commissioning and communication
- Fully configurable switch type functionality
- Integrated photocell for daylight harvesting application
- Device configuration through NX Lighting Controls Mobile App and NX Area Controller
- Patented IntelliSCOPE™ technology enabled providing real time visibility of motion (US and PIR) for improved accuracy of sensor sensitivity and time delay adjustments
- Five-year limited warranty



SPECIFICATIONS

CONSTRUCTION

- Housing: Rugged injection molded plastic, Polyloc FR-ABS, (UL-94 5VA) flame class rating
- Color: White, Black, Gray (MTS); Ivory, Light Almond, Red (MTO)
- 2.4oz (68g)
- Dimensions: 4.12" (104.65mm) H x 1.86" (47.24mm) x 1.86" (47.24mm) D

MOUNTING

- Single-gang NEMA-style switch box (standard switch box - max mounting height: 48")
- Decorator-style wall plate sold separately

ELECTRICAL INPUT

- Input Voltage: 12-24VDC supplied by NX Room Controller (p/n NXRCFX -not included)
- Power Consumption: 35mA
- NX PBU: 5

OPERATING ENVIRONMENT

- Rated for Indoor Use Only
- Operating temperature: 32°F to 104°F (0°C to 40°C)
- Relative humidity (non-condensing) 0% to 95%

WIRELESS

- 2.4GHz: IEEE 802.15.4 based
- Bluetooth® Version V5.2
- Radio Range: ~100ft. (30m) Note: Actual range is dependent upon building construction and radio location
- Recommended Deployment Practices: Locate three radios within a 300 foot radius for most reliable performance

SENSOR

- Detection Technology: Passive Infrared and Ultrasonic (Selectable)
- Coverage: Adjustable up to 1,000 square feet
- LED Indicator (Red) indicates infrared motion detection
- LED Indicator (Green) indicates ultrasonic motion detection

PROGRAMMING INTERFACE

- NX Lighting Controls Mobile App
- NX Area Controller (NXAC2) for Network Applications

CERTIFICATIONS

- cULus Listed
- Complies with FCC Part 15
 - FCC ID: YH9NXSMDT-LH
 - IC: 9044A-NXSMDTLH

- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9). See [Buy America\(n\) Solutions](#).

WARRANTY

- 5 year limited warranty
- See website for additional information

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WALL SWITCH SENSOR - LIGHTHAWK

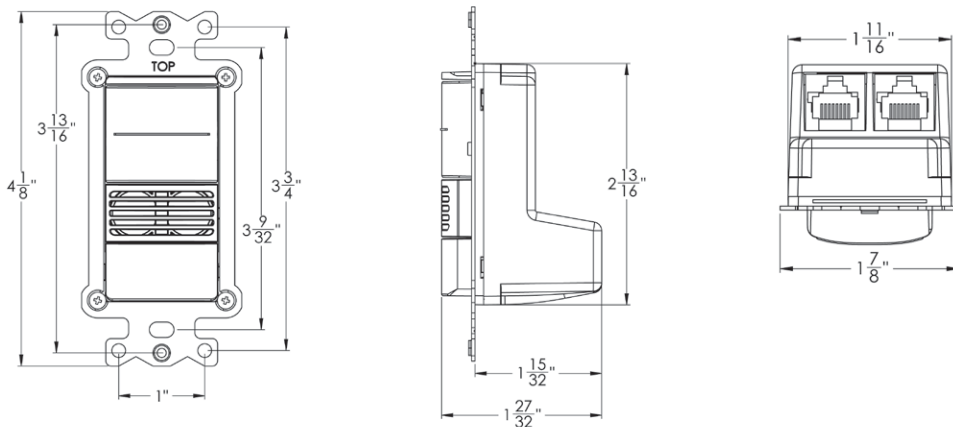
ORDERING GUIDE

CATALOG # **Example: NXSMDT-LH2-WH**

NXSMDT					
Model		Sensor Type		Color	
NXSMDT	NX Digital Smart Occupancy Sensor, Wall Switch, PIR and Ultrasonic, with Daylight Harvesting, Integrated Bluetooth, Dual RJ45 SmartPort	LH0	0 Button	WH	White
		LH1	1 Button	BK	Black
		LH2	2 Button	GY	Gray
				IV	Ivory ¹
				LA	Light Almond ¹
				RD	Red ¹
				BAA*	
				Blank	Standard Product * See Buy American Solutions below

*Buy American Solutions
BAA FAR §52.225-9
NXSMDT-LH1-WH-U
NXSMDT-LH2-WH-U

DIMENSIONS



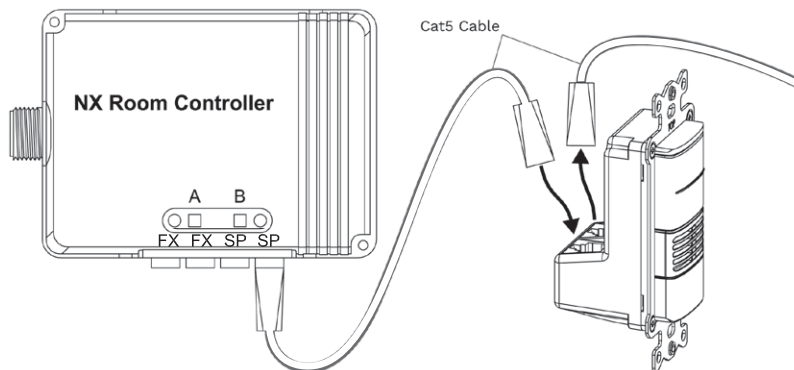
Notes:

- Made to Order Options; Consult Factory for Lead Times

*See Buy American Solutions above

ADDITIONAL INFORMATION

Wiring Diagrams



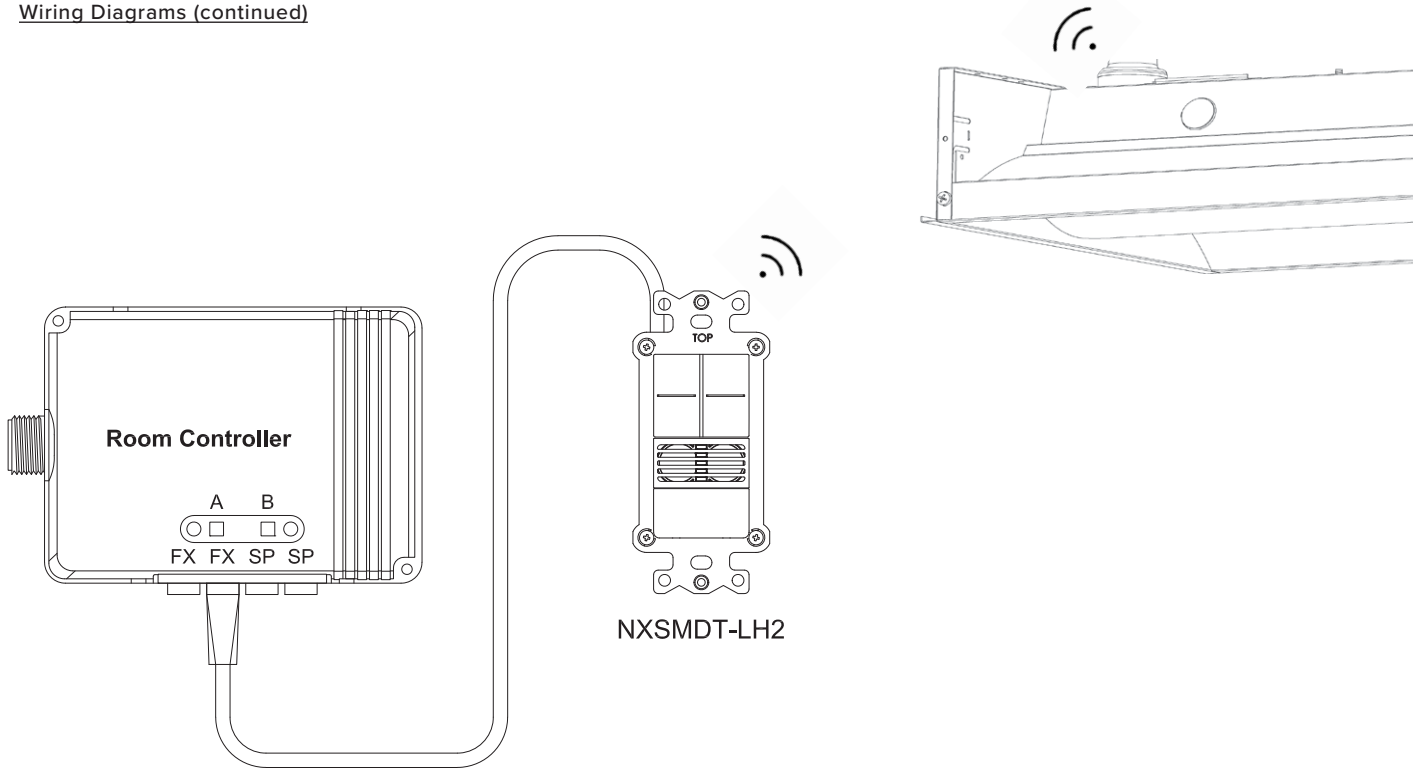
NX LightHAWK (NXSMDT-LH1) with NXRCFX2 Room Controller

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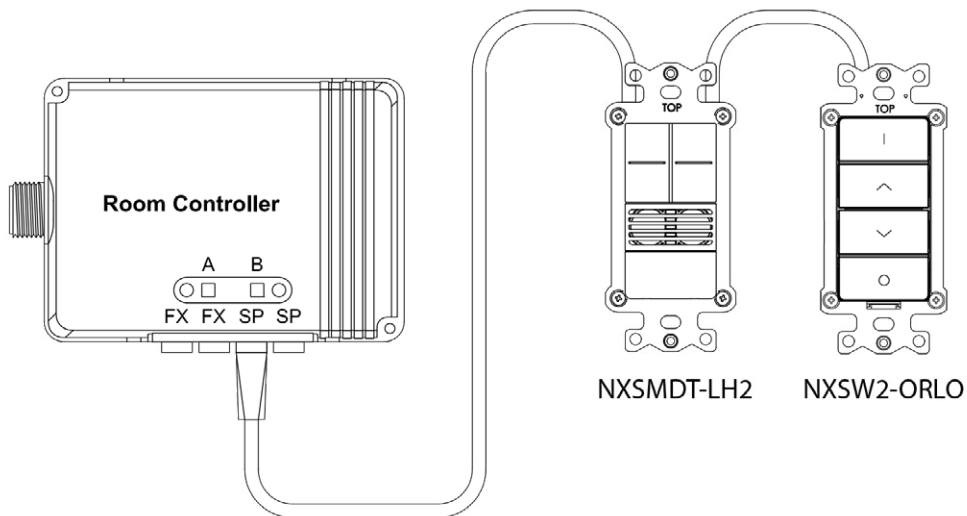
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ADDITIONAL INFORMATION (CONTINUED)

Wiring Diagrams (continued)



NX LightHAWK (NXSMDT-LH2) Wireless Configuration with NX Enabled Luminaires

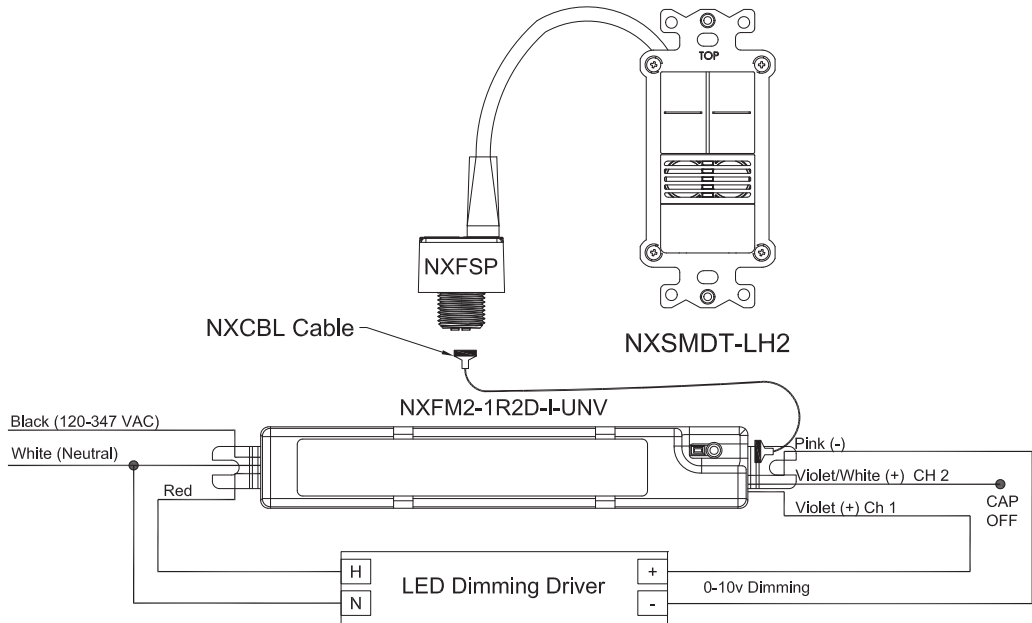


NX LightHAWK (NXSMDT-LH2) daisy chained with 4 Button NX Smart Switch

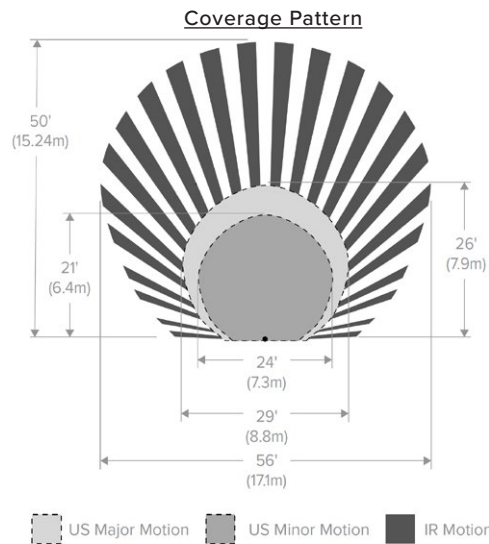
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ADDITIONAL INFORMATION (CONTINUED)



NX LightHAWK (NXSMDT-LH2) with NXFM2-I Fixture Module



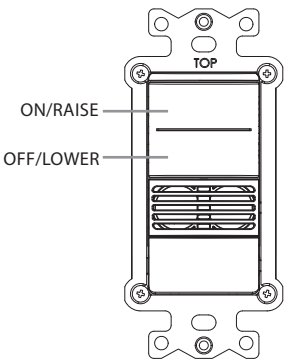
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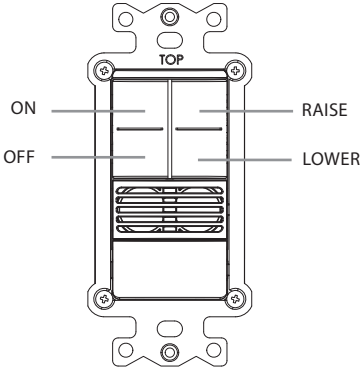
DEFAULT AND CONFIGURABLE SENSOR SETTINGS

Sensor Settings	Available Settings	Default Settings
Occupancy Sensor Modes	PIR & US; PIR Only; US Only	PIR & US
Occupancy Sensor Sensitivity	Levels 1 (Low) - 10 (High)	PIR 7, US 7
Occupancy Sensor Timeout	1 Sec - 20 Minutes	15 Minutes
Occupied When	Motion detected by PIR AND US; Motion detected by PIR OR US	Motion detected by PIR AND US
Unoccupied When	No motion detected by PIR AND US; No motion detected by PIR OR US	No motion detected by PIR AND US
Lightbar Mode	Location Indicator; Group Status; Occupancy	Location Indicator
Daylight Sensor Modes	Closed Loop Full Range Dimming; Closed Loop On/Off; On/Off; Disabled	Disabled
Bluetooth Radio Modes	Enabled; Disabled	Enabled
LED Status Modes	Off; Passive Infrared (Red); Ultrasonic (Green); Both Enabled	Both Enabled
Passcode	Enabled; Disabled	Enabled (Factory Passcode: HubbN3T!)

DEFAULT AND CONFIGURABLE SWITCH SETTINGS



NXSGMDT-LH1



NXSGMDT-LH2

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DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

Button Type	Button Function	Button Type	Button Function
Toggle	Group ON 100% Group OFF 0%	Timed On	Group ON 100% (configurable) Group OFF 0% at timeout (configurable)
RAISE On	Group ON (level configurable)	Preset	Active preset scene (1-16)
LOWER Off	Group OFF (level configurable)	On/Off	Group ON (level configurable) Group OFF(level configurable)
Raise	Ramp Group Level Up	Partition	Tap ON to combine rooms Tap OFF to separate rooms
Lower	Ramp Group Level Down	CCT On	Group ON to selected color
On/Raise	Tap Group ON (configurable) Press & hold while ON to ramp group level up	On/Raise/ Lower/Off	Group ON 100%(configurable) Press & hold while ON to ramp group up Release & press again to ramp group down Group OFF 0% at timeout (configurable)
Off/Lower	Tap Group OFF (configurable) Press & hold while ON to ramp group level down	CCT Raise	Ramp group color temp up
		CCT Lower	Ramp group color temp down