

NXSMIR Series

WALL SWITCH SENSOR - LIGHTHAWK

FEATURES

- Digitally configurable Passive Infrared (PIR) detection technology
- 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 (PIR) for improved accuracy of sensor sensitivity and time delay adjustments
- Five-year limited warranty



SPECIFICATIONS

CONSTRUCTION

- Housing: Rugged injection molded plastic, Polylac FR-ABS, (UL-94 5VA) flame class rating
- Color: White (MTS); Black, Gray, Ivory, Light Almond, Red (MTO)
- Weight: 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

*For installation with multi-gang Mud Rings please dry fit NX Lighthawk prior to installation to verify compatibility

Recommended multi-gang Mud Rings:

Raco 841	Cooper TP496
Raco 8778	Cooper TP488
Raco 780	Steel City 52-C-00
Raco 8781	Orbit 42075
Raco 8777	Orbit 42058
Raco 8780SP	Fraser Oaks MR-12E
Cooper TP499	

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
- Coverage: Adjustable up to 1,000 square feet
- LED Indicator (Red) indicates infrared 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

WARRANTY

- 5 year limited warranty
- See website for additional information

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WALL SWITCH SENSOR - LIGHTHAWK

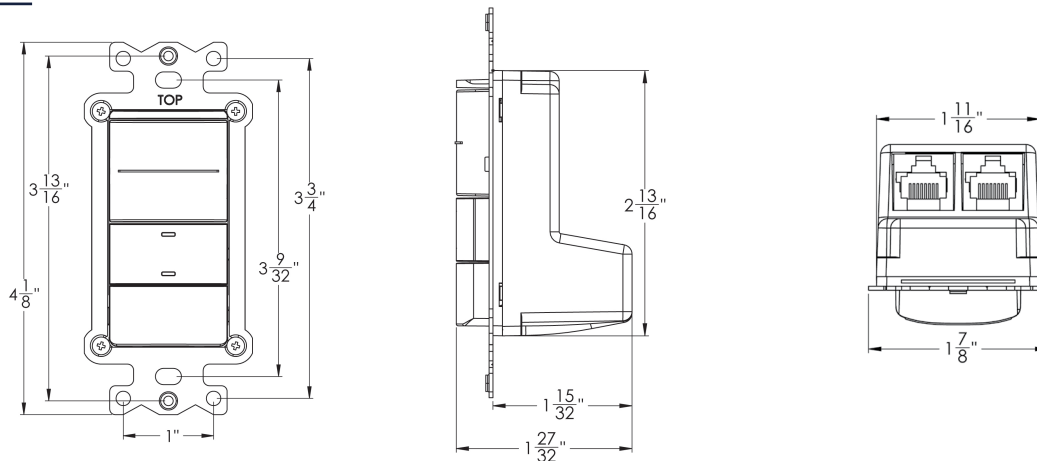
ORDERING GUIDE

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

NXSMIR		Sensor Type		Color	
Model					
NXSMIR	NX Digital Smart Occupancy Sensor, Wall Switch, PIR, 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

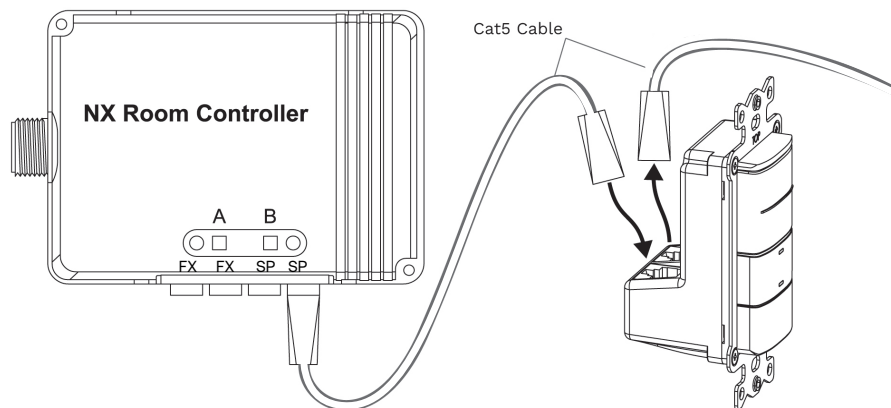
1 - Made to Order Options; Consult Factory for Lead Times

DIMENSIONS



ADDITIONAL INFORMATION

Wiring Diagrams



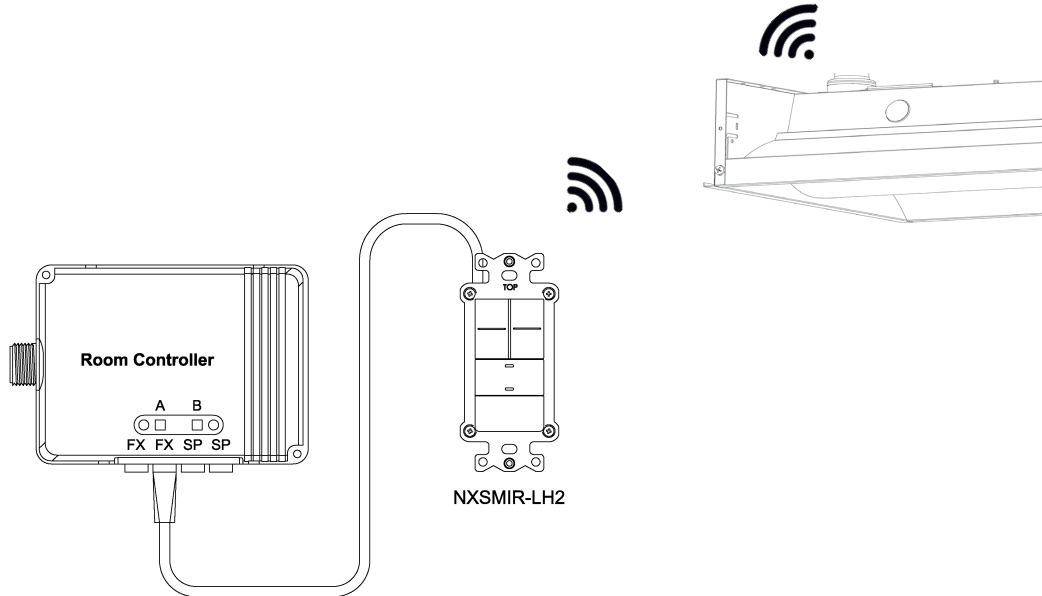
NX LightHAWK (NXSMIR-LH1) with NXRCFX2 Room Controller

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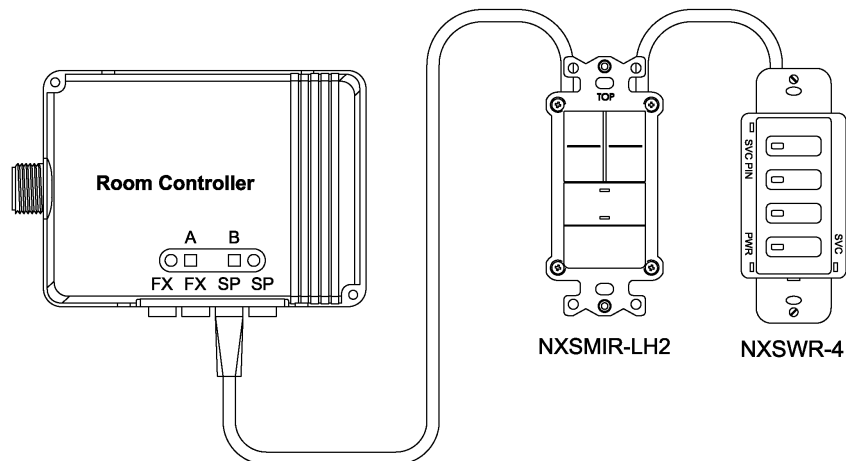
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ADDITIONAL INFORMATION (CONTINUED)

Wiring Diagrams (continued)



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



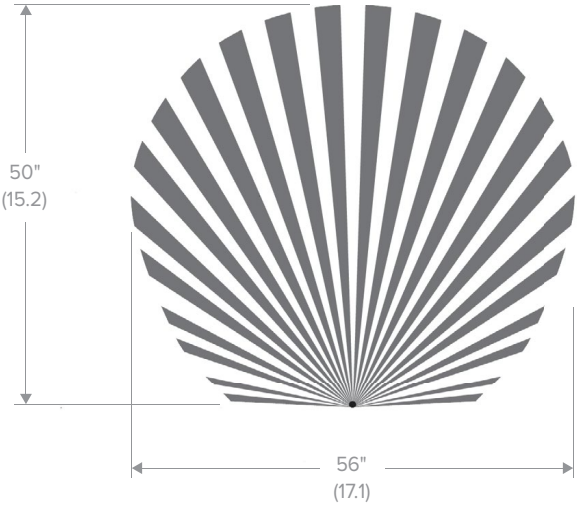
NX LightHAWK (NXSMIR-LH2) daisy chained with 4 Button NX Smart Switch

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ADDITIONAL INFORMATION (CONTINUED)

Coverage Pattern



DEFAULT AND CONFIGURABLE SENSOR SETTINGS

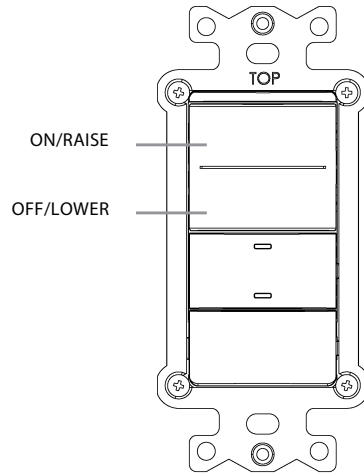
Sensor Settings	Available Settings	Default Settings
Occupancy Sensor Modes	PIR Only	PIR Only
Occupancy Sensor Sensitivity	Levels 1 (Low) - 10 (High)	PIR 7
Occupancy Sensor Timeout	1 Sec - 20 Minutes	15 Minutes
Lightbar Mode	Location Indicator; Group Status; Occupancy	Location Indicator
Daylight Sensor 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)	Passive Infrared (Red)
Passcode	Enabled; Disabled	Enabled (Factory Passcode: HubbN3T!)

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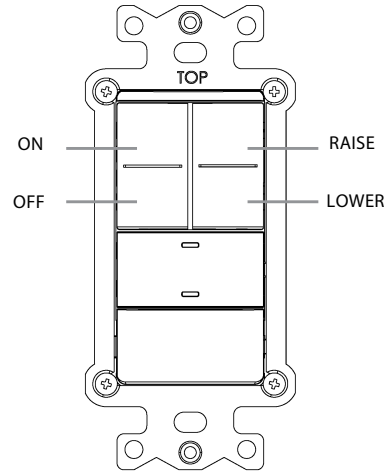
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ADDITIONAL INFORMATION (CONTINUED)

DEFAULT AND CONFIGURABLE SWITCH SETTINGS



NXSMIR-LH1



NXSMIR-LH2

Button Type	Button Function
Toggle	Group ON 100% Group OFF 0%
On	Group ON (level configurable)
Off	Group OFF (level configurable)
Raise	Ramp Group Level Up
Lower	Ramp Group Level Down
On/Raise	Tap Group ON (configurable) Press & hold while ON to ramp group level up
Off/Lower	Tap Group OFF (configurable) Press & hold while ON to ramp group level down
Emergency Override	On (MTRY) to transmit a Fire Emergency Command Off (MTRY) to transmit a Release Fire Emergency Command

Button Type	Button Function
Timed On	Group ON 100% (configurable) Group OFF 0% at timeout (configurable)
Preset	Active preset scene (1-16)
On/Off	Group ON (level configurable) Group OFF (level configurable)
Partition	Tap ON to combine rooms Tap OFF to separate rooms
CCT On	Group ON to selected color
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)
CCT Raise	Ramp group color temp up
CCT Lower	Ramp group color temp down
Disabled	Disables the button
Demand Response	Set Demand Response Level for the Zone (1 - 10)