

IMPORTANT SAFEGUARDS
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

PRECAUTIONS

Read and understand all instructions before beginning installation.

CAUTION: FOR USE WITH CLASS 2, LOW VOLTAGE SYSTEMS ONLY. DO NOT USE IN HIGH VOLTAGE APPLICATIONS.

NOTICE: Class 2 Device, 12V - 24V, 40mA

NOTICE: For installation by a licensed electrician in accordance with National and/or Local Electrical Codes and the following instructions.

Confirm device ratings are suitable for application prior to installation. Use of this device in applications beyond its specified ratings other than its intended use may cause an unsafe condition and will void manufacturer's warranty.

Use only approved materials and components (i.e. wire nuts, electrical box, etc.) as appropriate for installation.

NOTICE: DO NOT INSTALL IF PRODUCT APPEARS TO BE DAMAGED.

NOTICE: Do not use outdoors. For In-fixture use only.

NOTICE: Do not use this equipment for other than its intended use.

NOTICE: Line voltage wiring is not permitted in the electrical wall-box where this device is installed

REGULATORY INFORMATION

1. YH9NXSMDT-LH IC: 9044A-NXSMDTLH

1. This device complies with FCC part 15 Rules. Operation is subject to the following two conditions: This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

2. FCC Interference Statement (Part 15.105(b)): This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

3. FCC Part 15 Clause 15.21: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

4. ISED RSS-Gen Notice

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

1. The device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

SAVE THESE INSTRUCTIONS AND PROVIDE TO OWNER AFTER INSTALLATION IS COMPLETED

DESCRIPTION

NXSMDT/NXSMIR-LH Digital Smart Sensor is a combination Passive Infrared and Ultrasonic Occupancy Sensor with Closed Loop Daylight Harvesting specifically designed for wall switch applications. When used with corresponding NXRCFX2 Series Room Controller, the NXSMDT/NXSMIR-LH Digital Sensor can be programmed to provide Automatic On/Off control based on occupancy or Manual On/Automatic off control for vacancy applications as well as Automatic Light Level Control based on the amount of ambient daylight. When used with corresponding NXRCFX2 Series Room Controller, the NXSMDT/NXSMIR-LH Digital Sensor can also be programmed with the button functionality of our NXSWR Wall Stations. The NXSMDT/NXSMIR-LH Digital Sensor also includes an Integral Bluetooth® for programming from a mobile device. The NXSMDT/NXSMIR-LH Digital Sensor can be configured via the NX Lighting Controls mobile application and can be utilized in either stand alone or networked applications with other NX Room Control or NX Network devices.

SPECIFICATIONS

CONSTRUCTION

- **Housing:** Rugged injection molded plastic, Polylac 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 NXRCFX2 (NX Room Controller)
- Power Consumption: 40mA
- **Wiring:** Uses NXV

OPERATING ENVIRONMENT

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

WIRELESS

- Bluetooth® Version V5.2
- 2.4GHz: IEEE 804.15.1 based

SENSORS

- **Detection Technology:** Passive Infrared and Ultrasonic
- **Coverage:** 1,000 square feet (304.8 square meters)
- LED Indicator (Red) indicates infrared motion
- LED Indicator (Green) indicates ultrasonic motion

PROGRAMMING INTERFACE

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

CERTIFICATIONS

- cULus Listed
- Complies with FCC Part 15.247
- **FCC ID:** YH9NXSMDT-LH
- **IC:** 9044A-NXSMDTLH

WARRANTY

- 5-year limited warranty
- See HCS Standard Warranty for additional information

NXSMDT/NXSMIR-LH INSTALLATION

NXSMDT/NXSMIR-LH IS RATED FOR INDOOR USE ONLY

NOTE: The NXSMDT/NXSMIR-LH is designed to be mounted in a single-gang NEMA-style switch box

INSTALLATION FOR WALL BOX DEPLOYMENT

1. Prepare the installation site as necessary to install the sensor.
2. Plug the CAT5 cable into any available SmartPORT or FX Port on the NX Room Controller (See Wiring Diagram). Verify solid snap-in connection.
3. Route the CAT5 cable from the NX Room Controller to enter the RJ45 port on the sensor. **NOTE: Low voltage wiring must be isolated from line voltage wiring. Consult National and Local Electrical Codes for conduit requirements.**

(CONTINUED NEXT PAGE)

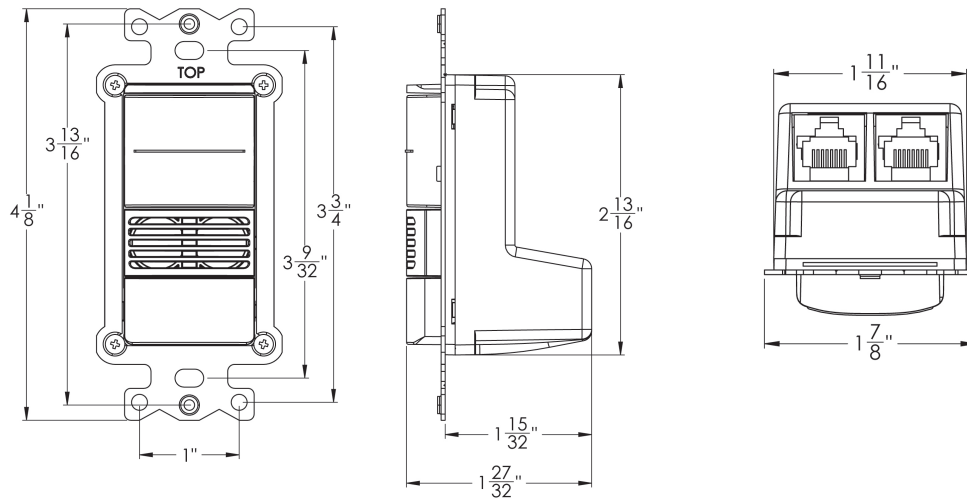
93166047 Rev. A

INSTALLATION FOR WALL BOX DEPLOYMENT

4. Plug the CAT5 cable into the sensor. Verify solid snap-in connection.
5. REMOVE ALL EXCESS CABLE FROM WALL BOX PRIOR TO INSERTION OF SENSOR. Connection between cable and sensor connection ports must remain straight and true without interference or pressure from excess or misaligned cable. It is recommended

FOR SENSOR PROGRAMMING SEE QUICK STARTUP GUIDE FOR DISCOVERING AND CONFIGURING NXSDMT/NXSMIR-LH SENSORS.

DIMENSIONS



WIRING DIAGRAM

