

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, 12-24V, 24mA

NOTICE: Suitable for Use in Other Environmental Air Space (Plenums) in Accordance with Section 300.22 (c) of the National Electrical Code.

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 this equipment for other than its intended use.

REGULATORY INFORMATION

1. Contains Transmitter Module FCC ID: YH9NXRM2 IC: 9044A-NXRM2
 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

The NXRM2 Radio Module allows NX Lighting Controls to communicate wirelessly with wired and other wireless components in the NX system. The NXRM2 module includes a wireless 2.4GHz radio and Integral Bluetooth® for wireless networking and ladderless programming from a mobile device. The NXRM2 module can be configured via the NX 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: ABS (UL-945VA) Flame Class Rating, UV Inhibitors
- Colors: White, Black, Gray
- 4.0 oz (113.4g)
- Overall Dimensions: 2.15" (54.61mm) H x 1.49" (37.84mm) W
- Mounting Barrel: 1.45" (36.83mm) H x 1.2" (30.48mm) W
- Complies for use in a plenum area

MOUNTING

- Mounts in 1.25" diameter aperture, secured by supplied nut on threaded body

ELECTRICAL

Classification

- Class 2 Device/Raintight
- Wiring/Control Connection: Low Voltage SmartPORT™

Ratings

- Input Voltage: 12-24VDC

OPERATING ENVIRONMENT

- Rated for Indoor and Outdoor Use
- Operating temperature: -40°F to 185°F (-40°C to 85°C)
- Relative humidity (non-condensing) 0% to 95%

WIRELESS

- 2.4GHz: IEEE 802.15.4 based
- Range: Indoor -100ft (30m) Note: actual range is dependent upon building construction and radio location
- Range: Outdoor -300ft (91m) Note: Range based on Clear Line of Sight
- Recommended Deployment Practices: Locate three radios within a 300 foot radius for most reliable performance
- Bluetooth® Version 5.2 (Range: Up to 50ft - Clear Line of Sight)

PROGRAMMING INTERFACE

- NX Lighting Controls

CERTIFICATIONS

- cULus Listed
- Complies with FCC Part 15.247
 - FCC ID: YH9NXRM2
 - IC: 9044A-NXRM2

WARRANTY

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

INSTALLATION

The NXRM2 Radio Module is a self-contained assembly which includes the RF radio, Bluetooth® radio, control electronics, and antenna. A threaded stem and lock nut are provided for mounting through a 1.25" aperture and fixture housing. Located on the back of the unit, a pair (2) of miniature SmartPORT™ connectors are used for connection to an NXFM Fixture Module or other NX smart components.

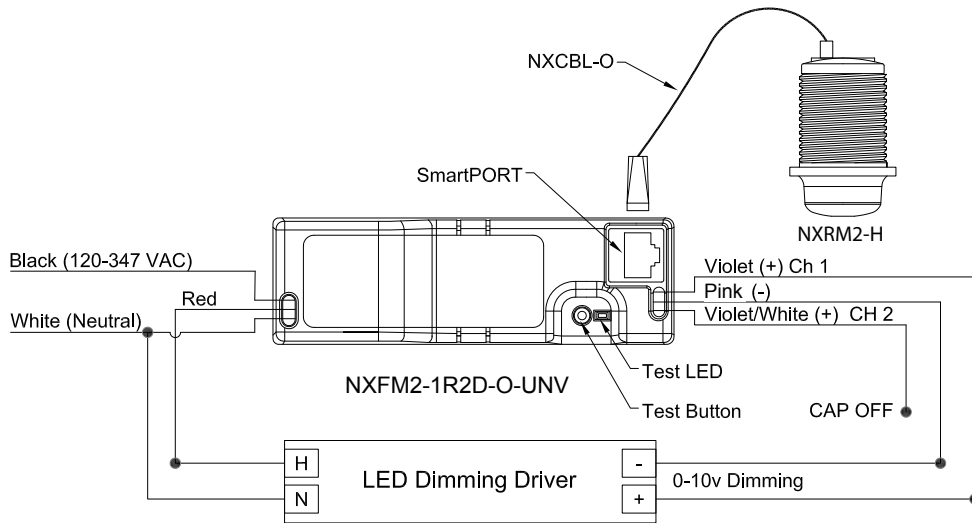
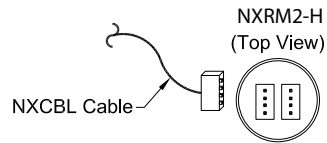
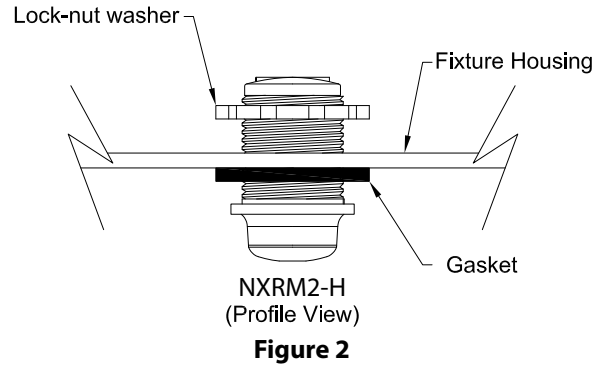
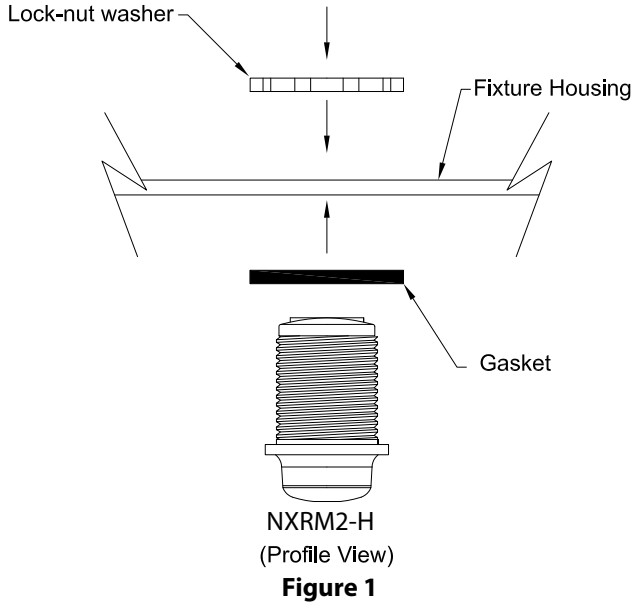
INSTALLATION FOR IN-FIXTURE DEPLOYMENT

1. Remove the lock nut from the threaded stem of the unit.
2. Insert the stem through the opening in the housing. See Mounting Details.
3. Carefully tighten (do not overtighten) the nut against the housing making sure the gasket is pulled up tight against the housing. See Mounting Details.
4. Use the appropriate NX manufactured cable to connect the radio module to the NXFM2 fixture module. The second connector is provided to allow a series connection with other NX modules.
5. Once all connections are made take one of the provided MAC Address labels and affix it to the outside of the luminaire in a visible location. This will be used by the Field Engineer to connect to the radio module during system startup. NOTE: Provide the additional labels in packaging for use in field on layouts, drawings or similar project documentation.

FOR MODULE PROGRAMMING, SEE QUICK START GUIDE FOR DISCOVERING AND CONFIGURING NX DEVICES.

(CONTINUED NEXT PAGE)

MOUNTING DETAIL



NXR2M2-H With Fixture Module

Pink wire replace previous gray wire. Unit with a gray instead of pink wire should be wired as the pink wire shown in the diagram.