

MODEL NUMBERS

NXRM-H

PRECAUTIONS

- Read and understand all instructions before beginning installation.
- 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.
- CAUTION: RISK OF ELECTRICAL SHOCK. Turn power off at service panel before beginning installation. Never wire energized electrical components.
- Confirm device ratings are suitable for application prior to installation. Use of device in applications beyond its specified ratings or in applications other than its intended use may cause an unsafe condition and will void manufacturer's warranty.
- NOTICE: Do not install if product appears to be damaged.
- FCC ID: U90-SM220 IC: 7084A-SM220
- This device complies with FCC part 15 Rules. Operation is subject to the following two conditions:
 1. This device may not cause harmful interference.
 2. This device must accept any interference received, including interference that may cause undesired operation.
- 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- 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.
- ISED RSS-Gen Notice:

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

1. This 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!

DESCRIPTION

The NXRM radio module allows NX Lighting Controls to communicate wirelessly with wired and other wireless components in the NX system.

SPECIFICATIONS

| | |
|-----------------------|---|
| Classification | Class 2 Device/Raintight |
| Electrical Ratings | Input: 12-24 VDC |
| Control Connection | Low Voltage SmartPORT™ |
| Operating Environment | Operating Temperature: -40°F to 185°F [-40°C to 85°C] Relative humidity (non-condensing): 0 to 95%, IP65 Rated |
| Construction | Housing: GSM UL Rated 94 HB Plastic |
| Mounting | Mounts through 1.2" D hole in fixture housing |
| Dimensions | 2.1"L x 1.5"D Overall (1.4"L x 1.2"D Stem) 53.34mm L x 38.1mm D Overall (35.56mm L x 30.48mm D Stem) |
| Weight | 4.0 oz (113.4 g) |
| Color | White, Black, or Gray |
| Patents | Patent(s) Pending |
| Certifications | cULus listed, FCC Part 15.247, Conforms with UL916 and certified to CAN/CSA C22.2 |
| Warranty | Five-year limited |

NXRM-H INSTALLATION

The **NXRM** 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 1.2" 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.

1. Remove the lock nut from the threaded stem of the unit.
2. Insert the stem through the opening in the housing. *See figure 1.*
3. Carefully snug (do not overtighten) the nut against the housing making sure the gasket is pulled up tight against the housing. *See figure 2.*
4. Use the appropriate Current manufactured cable to connect the radio module to the NXFM fixture module. The second connector is provided to allow a series connection with other NX modules.

MOUNTING DETAIL

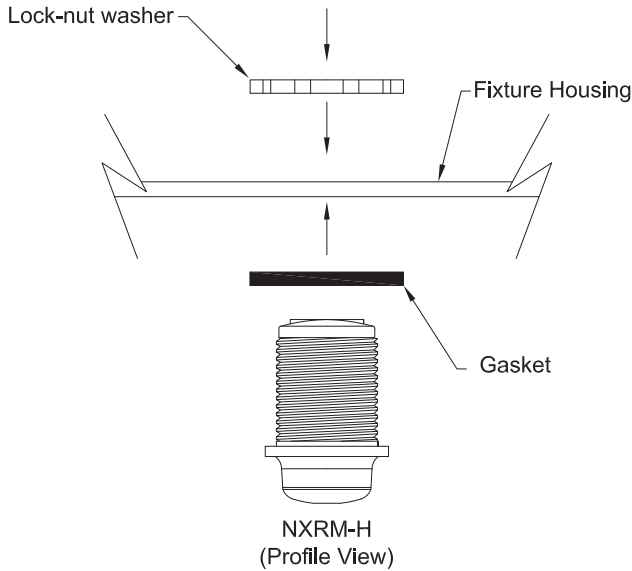


Figure 1

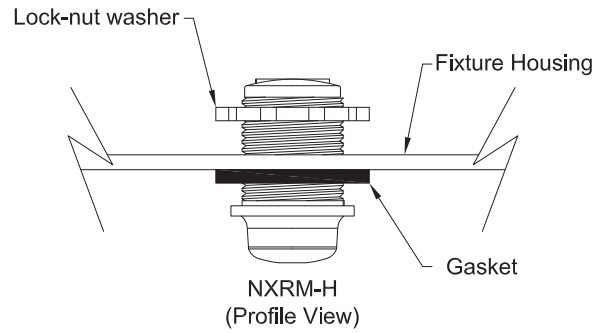
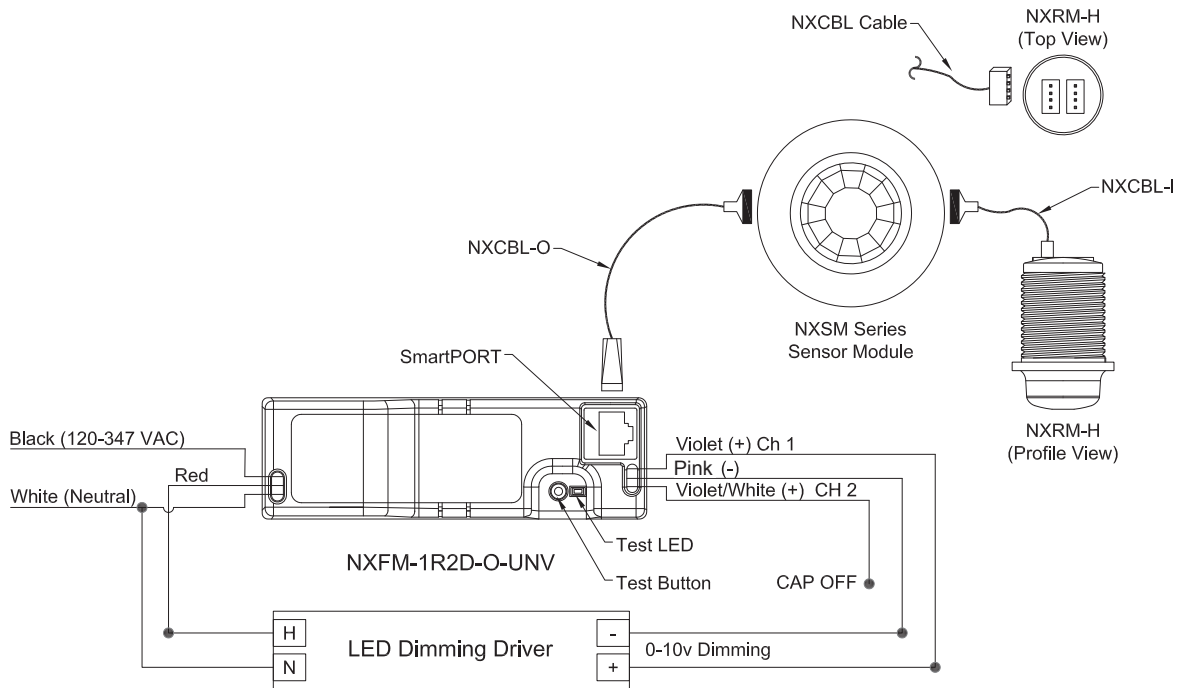


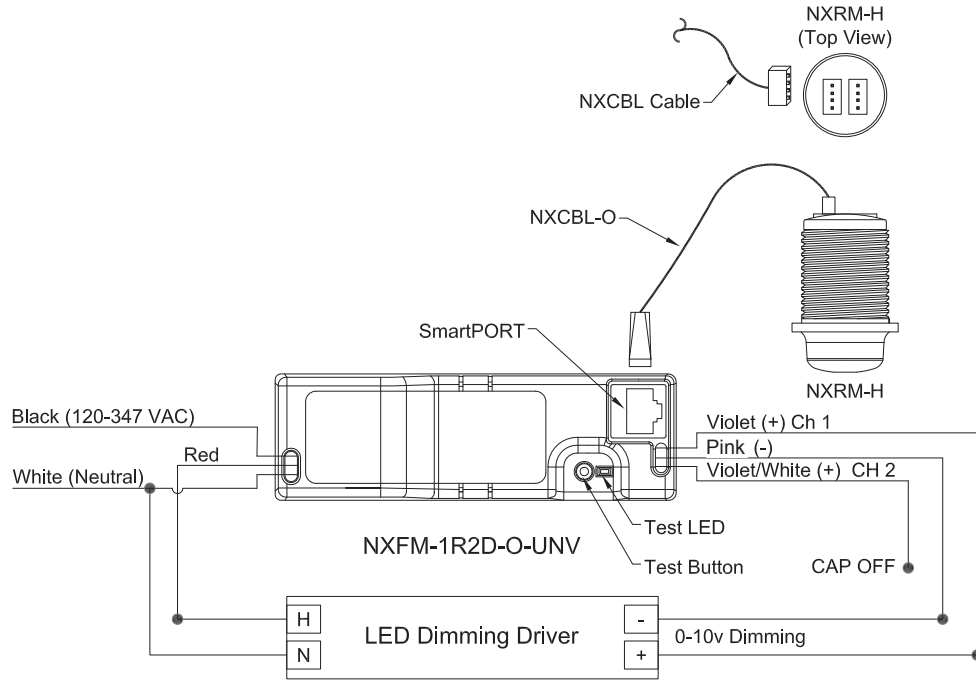
Figure 2

WIRING DIAGRAMS



**NXR-M-H with Sensor
Figure 3**

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



NXRМ-H without Sensor

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