



# Hli Solutions NXSMP2 Series Slide Mount Sensors Instruction Manual

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*Hli Solutions NXSMP2 Series Slide Mount  
Sensors Instruction Manual*



**NXSMP2 Series Sensors  
Slide Mount Sensors**  
SMI INSTALLATION INSTRUCTIONS

IMPORTANT SAFEGUARDS  
READ AND FOLLOW ALL SAFETY INSTRUCTIONS

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## 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, 10mA

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 outdoors. For In-fixture use only.

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

## REGULATORY INFORMATION

1. Contains Transmitter Module FCC ID: YH9NXSMP2SMI IC: 9044A-NXSMP2SMI

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.

## SAVE THESE INSTRUCTIONS AND PROVIDE TO OWNER AFTER INSTALLATION IS COMPLETED

## DESCRIPTION

NXSMP2 Series Digital Smart Sensors are a combination PIR Occupancy Sensor and Closed Loop Daylight sensor specifically designed for installation within a lighting fixture and ceiling mount applications. When used with corresponding NXFM2 Series Fixture Module, the NXSMP2 Series Sensors can be programmed to provide Automatic On/Off control based on occupancy and/ or Automatic Light Level Control based on the amount of

ambient daylight. The NXSMP2 Series sensors also include a wireless 2.4GHz radio and Integral Bluetooth® for wireless networking and ladder-less programming from a mobile device. The NXSMP2 Series Digital Sensors 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: ABS (UL-945VA) Flame Class Rating, UV Inhibitors
- Color: White
- 2.2oz (62.4g)
- 2.0" (50.8mm) L x 0.68" (17.27mm) W x 0.72" (18.28mm) H
- Complies for use in a plenum area

### MOUNTING

- Mounting for in-fixture only
- Recommended Max Mounting Height: 12 ft. (3.65m)

### OPERATING ENVIRONMENT

- Rated for Indoor Use Only
- Operating temperature: 32° to 149°F (0° to 65°C)
- Relative humidity (non-condensing) 0% to 95%

### ELECTRICAL

#### Input:

- Input Voltage: 12-24VDC supplied by NXFM2 (NX Fixture Module)
- Power Consumption: 30mA
- Wiring: Uses NXV

### ELECTRICAL (CONTINUED)

#### STANDBY POWER (W):

- 120VAC: 0.1W
- 277VAC: 0.1W
- 347VAC: 0.1W

#### WIRELESS

- 2.4GHz: IEEE 802.15.1 based
- Bluetooth® Version V5.2

#### SENSORS

- Detection Technology: Passive Infrared Sensor
- 1:1 Coverage Pattern (mounting height: coverage radius)
- Max Mounting Height 12ft
- LED Indicator (Red) indicates occupancy detection

#### 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: YH9NXSMP2SMI
  - IC: 9044A-NXSMP2SMI

### WARRANTY

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

## IN-FIXTURE INSTALLATION

NOTE: The NXSMP2-SMI is designed for a slide mount application into a rectangular opening with specified tolerances in either the fixture housing material or optics. Field installation of the NXSMP2-SMI is not supported or recommended.

## INSTALLATION FOR IN-FIXTURE DEPLOYMENT

1. Choose a mounting location on the housing or lens where the sensor face and sensor lens will be oriented in the downward position as close to level as possible.

NOTE: The sensor should be clear from obstructions to ensure proper detection.

2. Once a position is selected a 2.0"L x 0.7" opening in the housing or lens needs to be made in order for the sensor to slide into position using the slots on either side of the sensor housing.

NOTE: The NXSMP2-SMI sensor cannot be installed in a material with greater than 0.1" thickness. (See Mounting Detail Below for Slot Detail and Material Thickness)

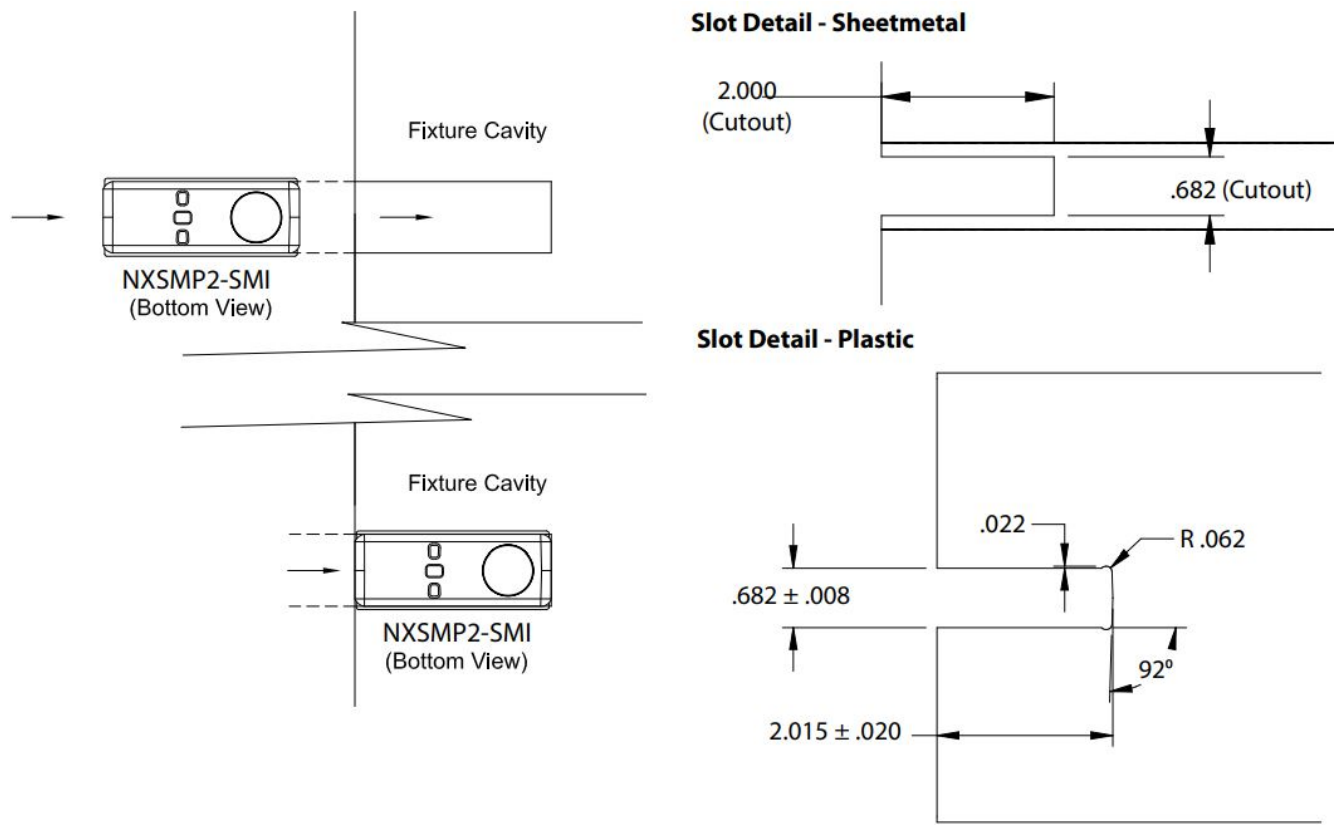
3. After the sensor is mounted locate the miniature 4-pin Smart PORT positioned on the back of the sensor. Using a NXCBL-I or NXCBL-O insert the connector into the back of the sensor.
4. Once the cable has been connected to the sensor connect the opposite end of the NXCBL to additional NX Devices mounted inside the luminaire.
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 program and calibrate the sensor during system start-up. NOTE: Provide the additional labels in packaging for use in field on layouts, drawings or similar project documentation.

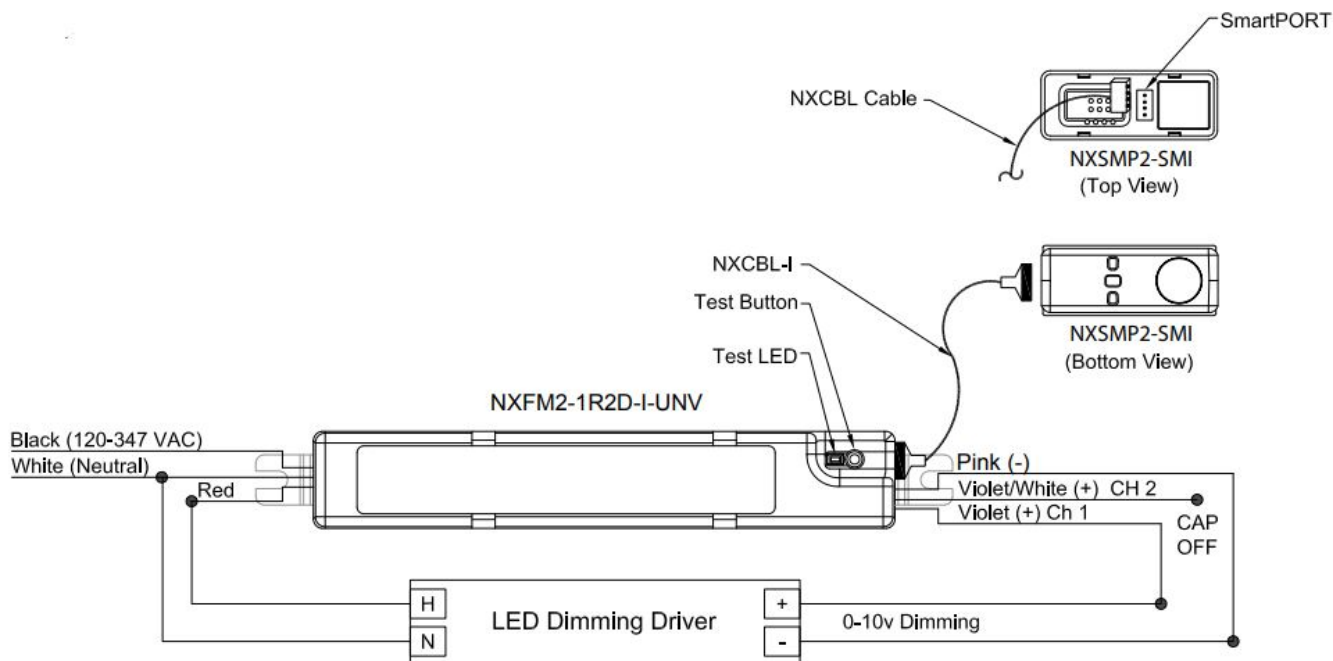
6. After install is complete perform end of line testing as provided by HCS for verification of performance.

FOR SENSOR PROGRAMMING SEE QUICK STARTUP GUIDE FOR DISCOVERING AND CONFIGURING NXSMP SERIES SENSORS.

MOUNTING DETAIL

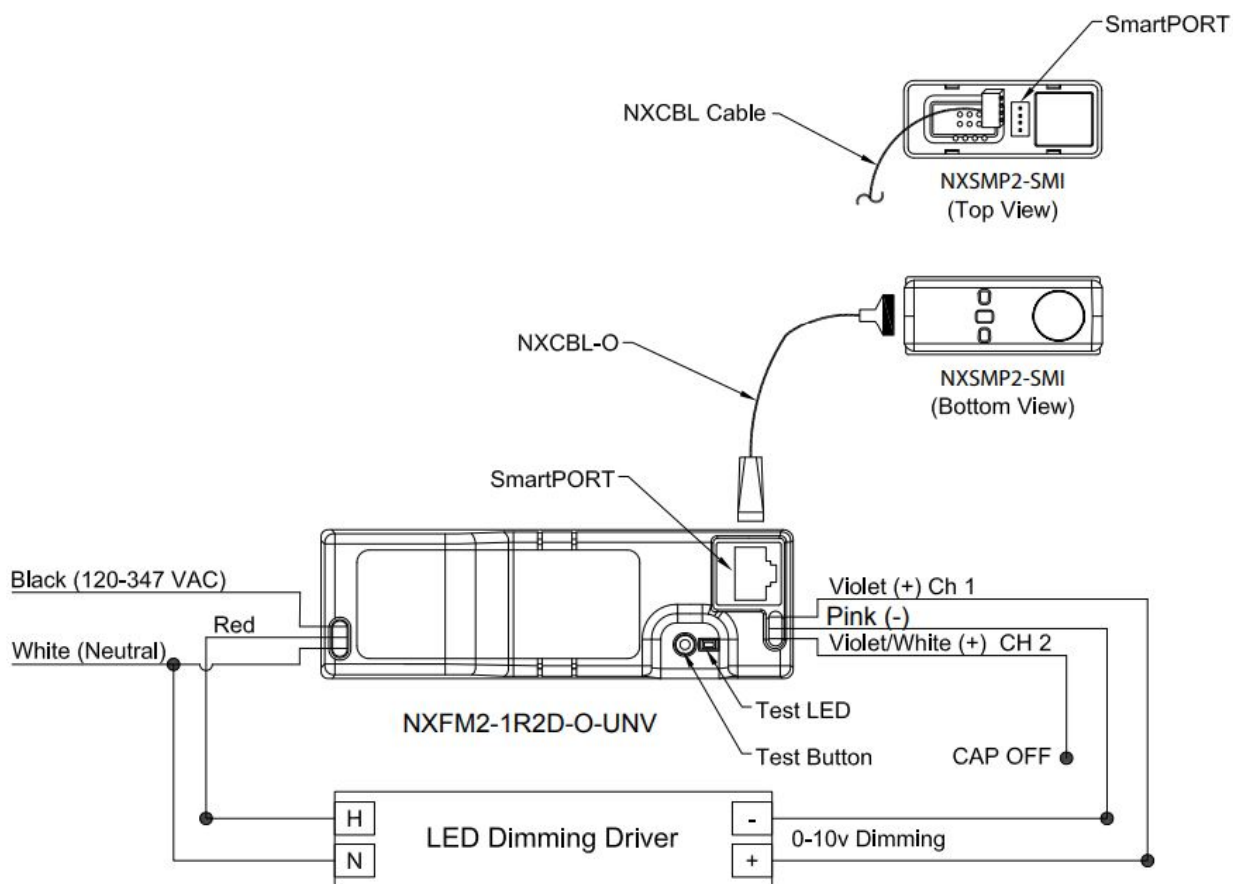


WIRING DIAGRAM



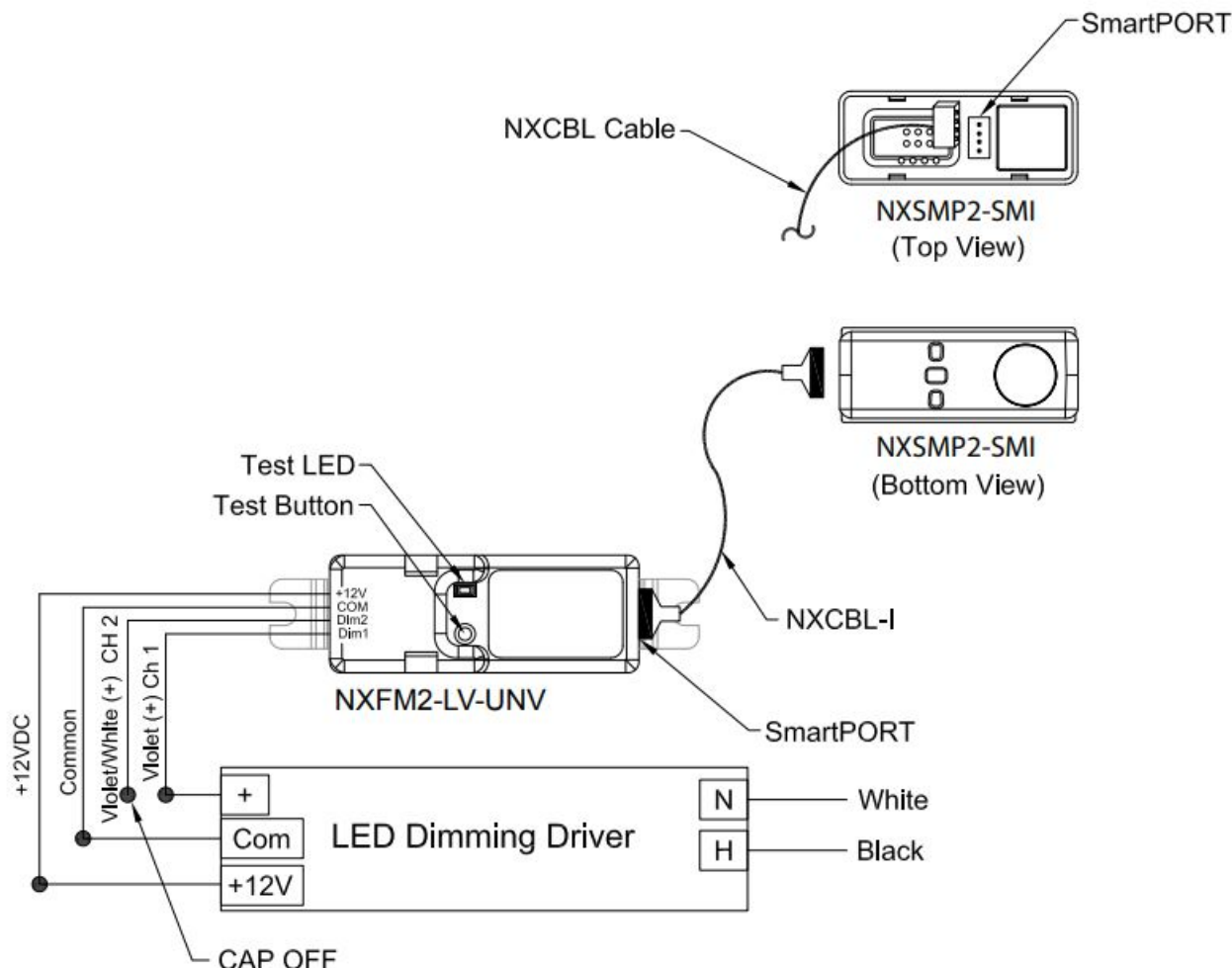
### NXSMP2-SMI with NXFM2-1R2D-I-UNV

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.



### NXSMP2-SMI with NXFM2-1R2D-I-UNV

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.



### NXSMP2-SMI with NXFM2-LV

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.

# Current®

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## Documents / Resources

	<p><a href="#">Hli Solutions NXSMP2 Series Slide Mount Sensors</a> [pdf] Instruction Manual NXSMP2SMI, YH9NXSMP2SMI, NXSMP2 Series Slide Mount Sensors, NXSMP2 Series, Slide Mount Sensors</p>
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## References

-  [Commercial Lighting and Lighting Controls | Current - HLI Brands](#)

Manuals+.