NX DISTRIBUTED™ INTELLIGENCE

NXSP KIT
INSTALLATION INSTRUCTIONS

INTRODUCTION
Read and understand all instructions before beginning installation.

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 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.

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.

SAVE THESE INSTRUCTIONS!

DESCRIPTION
The Hubbell Control Solutions' SmartPORT™ Module (NXSP) provides the means to connect NX digital smart switches, occupancy sensors, and daylight sensors to the NX HubbNET™ network. The NXSP requires the NXHDI Network Device Interface Module to provide the means of connection to the NX HubbNET network.

INSTALLATION
1. Open the NXSP kit. Make sure all the necessary parts are there. It should include the following: NXHDI Module, NXSP, Power Supply, Din Rails & Screws, Metal Enclosure and Enclosure Cover. See Figure 1, 2.
2. Screw in the Din Rail tracks inside the enclosure.
3. Snap the NXHDI onto the DIN Rail track, on the left side.
4. Snap the NXSP module onto the DIN rail track in the enclosure to the right side of the NXHDI Network Device Interface Module. See Figure 3.
5. Plug the ribbon cable supplied with the unit into the matching connector on the NXHDI module.
6. Plug the Smart Switches, occupancy sensors, or daylight sensors into one of the four RJ45 ports as needed. Note that each port has two RJ45 connectors as a convenience. See Figure 4.
7. Follow the instructions provided with the NX Smart Switches and sensors. Refer Figure 5.

Figure 1

Figure 2

Figure 3

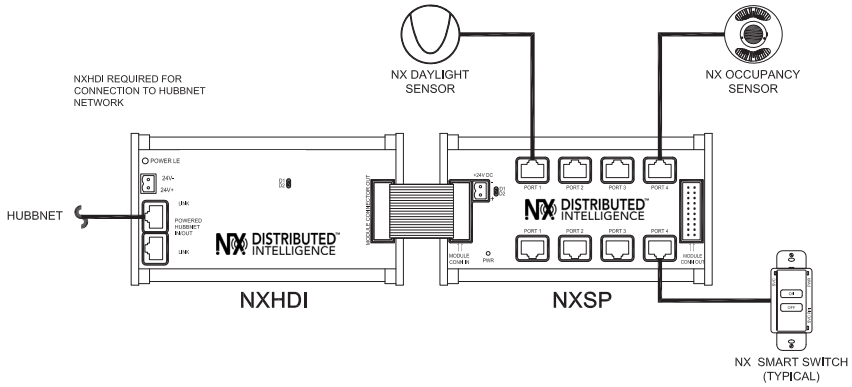

Figure 4

IMPORTANT: Route the HubbNET™ network so that there is no more than 100 meters (330 feet) of Cat5e wire between any two bridges or NXHDI modules. It is strongly recommended that network segments are restricted to a single floor or wing of the building to facilitate troubleshooting. Do not "snake" the network wire between floors. Two network segments can originate from the standard Area Controller. Consult the Hubbell Control Solutions' factory if additional network segments are required.

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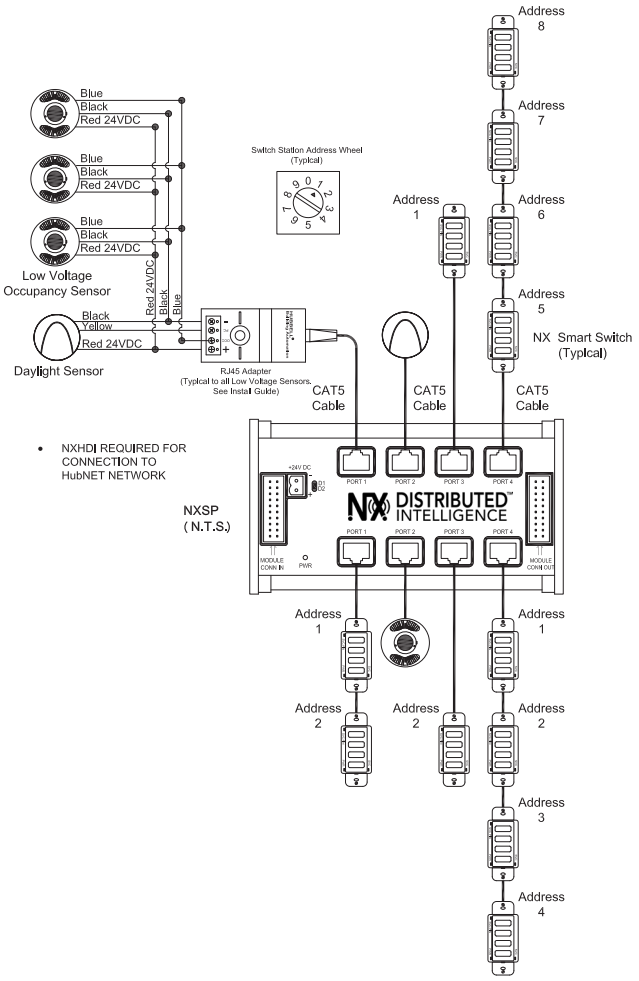

Figure 5

CONNECTING DEVICES

There are four pairs of RJ45 ports on the SmartPORT™ module to which a variety of control devices can be connected and programmed to work with the system. Application parameters vary based on the type of devices connected.

Switch Stations

Up to eight (8) switch stations total can be connected to each pair of ports. These can split between the two RJ45 connectors for each port combination. Each switch connected to the same port (top and bottom combined) must have a unique address setting between 1 and 8. Instructions are provided with the switch stations for setting the address.

Occupancy Sensors

Each SmartPORT module supports a maximum of four (4) zones of occupancy, one for each pair of ports. This is regardless of the number of actual occupancy sensors connected. Multiple occupancy sensors may be connected to a port to increase the size of the area to be controlled. However, all of the occupancy sensors connected to a port will be discovered by the Area Controller as a single sensor and they will control the same area.

Daylight Sensors

The SmartPORT module supports a maximum of four (4) daylight harvesting zones, one for each pair of ports. Connect only one daylight sensor to each port.

Note: Switch stations, occupancy sensors, and daylight sensors can share ports as needed provided the above restrictions for each control type are followed.

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