

**PRECAUTIONS**

- 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.
- The NXPOE-7-24B switch creates flexibility to add segment the NX Network; up to 7 segments.
- Each segment is limited to a maximum of 24 NX bridges (NXHNB series).
- Each port is powered and can supply DC power to the NX bridge.
- The NXPOE-7-24B includes the 24V AC/DC power supply.
- The supplied power adapter should connect ONLY to Mode B.
- DO NOT CONNECT THE POWER ADAPTER TO MODE A, or the switch will be damaged outside of Warranty.
- No more than 3 NX PoE switches should be used in a single NX network.
- When using a system with more than one NX PoE switch, only the PoE switch connected closest to the NX Site Manager should have power applied to the PoE switch.
- Network cable is to be CAT5/6a with NO crossover wires. (straight-through)
- Cables must be tested prior to connecting to any NXLC RJ45 port to be free of any shorts/damaged connectors. Failure to do so could result in bad communication across the system and/or damage devices.
- When connecting to an NXP2 lighting control panel, Connect the NX Network cable to non-PoE RJ45 port.

**SAVE THESE INSTRUCTIONS!**

**DESCRIPTION**

The NXPOE-7-24B switch is an accessory to the NX Network that facilitates branching a single NX Network segment to 7 additional segments. Additional switches can be used to add any required number of segments to the network.

Note: This unit is supplied with a plug-in PC style power supply. The unit must be located in close proximity to a 120 V outlet.

**INSTALLATION**

1. Mount the switch in a dry location using the mounting tabs provided.
2. Mount the power supply adjacent to the switch. Plug the power supply 24 volt power cord into the Mode B jack on the rear of the switch. Gather and bind the excess cord length as needed.
3. Plug the power supply AC cord into a 120 volt outlet.
4. Use a Cat5 patch cable to connect the Up Link port on the switch to an un-powered Ethernet port in the NXAC-120 Area Controller or Site Manager.
5. No more than three NXPOE switches are to be connected to a single NXLC Network.

**SPECIFICATIONS**

Certifications	UL/CE/FCC
Data + PoE Ports	7
Data Ports	1
Data Rate	10/100
Dimensions	4x4x8 in.
Max. Amps Per Port	650 mA
Mount Type	wall
Operating Humidity	5% to 90%
Operating Temperature Range	-10 - 60C
Output Voltage	24 volts
PoE Method	Passive
PoE Mode/Pinout	Mode A (-1,2 +3,6)/Mode B (+4,5 -7,8)
Power Input	2.1mm DC

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