

DESCRIPTION

The NX Commercial Lighting Control Panels Dimming Card is shipped individually from the CX Panel. The following information describes the NXP-DIM8 installation.

PRECAUTIONS

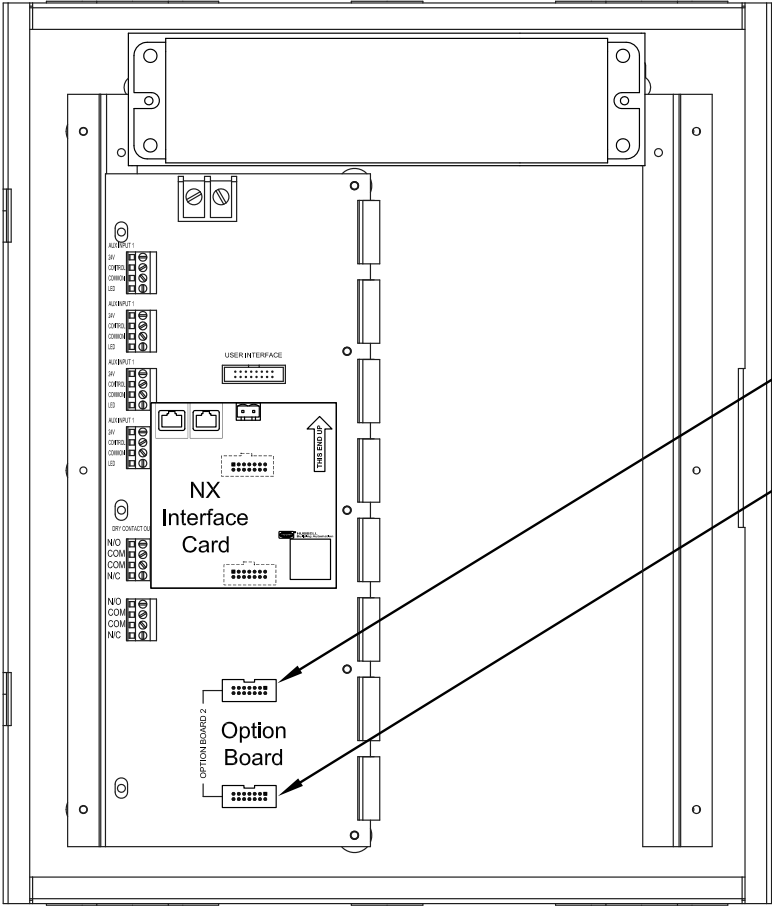
- READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
- CAUTION - RISK OF ELECTRICAL SHOCK. To prevent electrical shock, turn off power at the circuit breaker before installing or servicing unit. Never wire energized electrical components.
- NOTICE: For installation by a licensed electrician in accordance with National and/or local Electrical Codes and the following instructions.
- CAUTION: USE COPPER CONDUCTOR ONLY.
- Be sure to read and understand all instructions before installing or servicing unit
- For Indoor use only. Do not use outdoors.
- Do not mount near gas or electric heaters.
- Disconnect switch or a circuit breaker must be provided and marked as the disconnecting device.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Confirm that device ratings are suitable for application prior to installation.
- No user serviceable parts contained inside unit. Refer all service related questions to the factory.
- All servicing shall be performed by qualified service personnel.
- Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
- Use only approved materials and components (i.e. twist on connectors, electrical box, etc.) as appropriate for installation.
- NOTICE: Do not install if product appears to be damaged.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Do not use this equipment for other than intended use.

SAVE THESE INSTRUCTIONS!**INSTALLING INDIVIDUAL DIMMING CARDS**

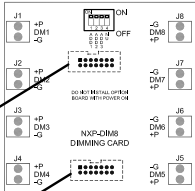
Caution: ALWAYS remove supply power to the Panel control power supply prior to making any connections between dimming boards and panel processor board. Failure to do so may result in personnel injury, damage to the panel, and void its warranty

Disconnect power from the panel. Remove the NXP-DIM8 from its packaging. Review the connector on the back of the card. You must align the card so that the keying symbol aligns correctly with the NX Panel board.

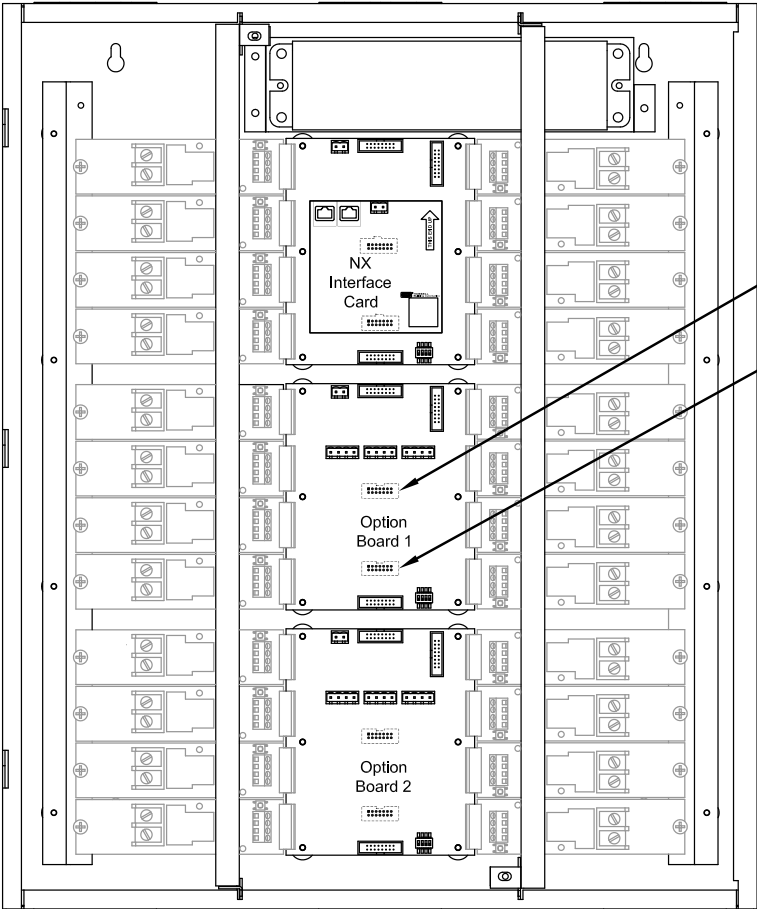
Locate Option connectors on NX™ CPU Board. Verify Key alignment and firmly press board into place.



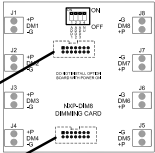
NX Dimming
Option Card



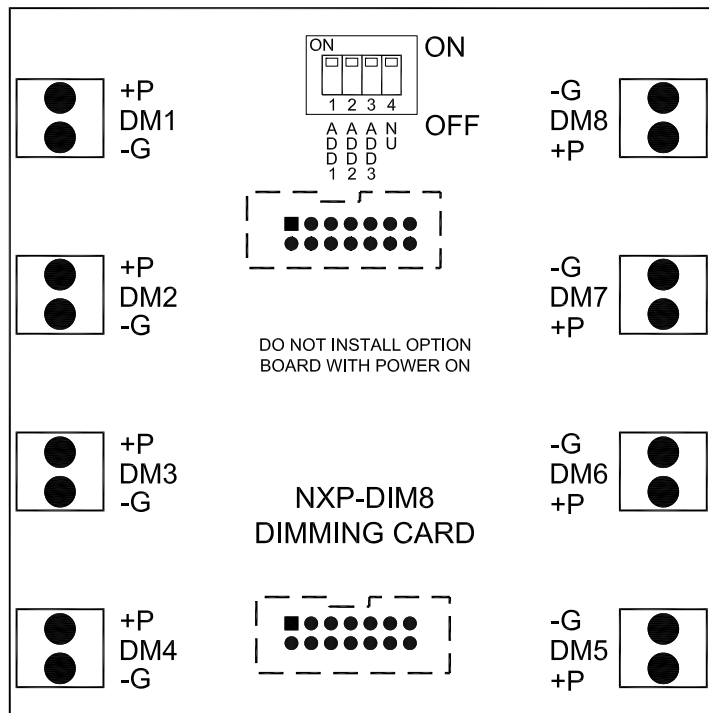
Orientate the Keyed Template located on the NX Dimming Option Board to the Keyed Template on the Mother Board of the NX Panel.
Choose either the 1 or 2 location.
No more than 1 NX Dimming Option Card can be placed on any other motherboard.



NX Dimming
Option Card



Orientate the Keyed Template located on the NX Dimming Option Board to the Keyed Template on the Mother Board of the NX Panel. No more than 1 NX Dimming Option Card can be placed on any one motherboard.



NXP-DIM8

DIMMER ADDRESS SELECTION

Each dimmer card has a selection switch marked S2 (see figure above) to set the dimmer number sequence in the panel. Regardless of where the card is installed in the panel, the S2 setting will determine the card's dimmer numbering as: 1 - 8, 9 -16, 17 -24, or 25 - 32.

NXP-DIM8 DIMMING CARD Configuration DIP Switches

ADD1	ADD2	ADD3	Dimmer Numbers	MAC Sub-address range (HEX)
OFF	OFF	OFF	1 - 8	D036 - D03D
ON	OFF	OFF	9 - 16	D03E - D045
OFF	ON	OFF	17 - 24	D046 - D04D
ON	ON	OFF	25 - 32	D04E - D055

DIMMING CHANNEL CONNECTIONS

To connect the low voltage dimming inputs, do the following:

1. Bring the low voltage wiring for the dimming circuits in through the knockouts in the low voltage wiring area. Circuits are software configurable through programming. Each dimming channel is capable of sinking 100mA.
2. Terminate the gray and purple wires from the dimming driver/ballast to the appropriate terminals using 16-18 AWG wire.