NETWORK PROTOCOL CONVERTER
Cat. Nos. NPC2D-FF, NPC2D-MM and NPC2D-MF

LEVITON

INSTALLATION

WARNINGS AND CAUTIONS:

• TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH ELECTRICAL CODES AND REGULATIONS.
• IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.

MOUNTING:

Leviton's NPC2D products are intended for mounting in a standard US style 2 gang NEMA 4" square electrical back box minimum 2 1/8" deep. Although it will fit in a standard 2 1/8" deep back box we generally recommend the use of a deeper masonry style box or mud rings that will allow more room for wiring. Depending on your application, flush, surface, pipe, or ther box may have been provided by Leviton or you will be required to provide your own.
The back box should be metallic and properly bonded to the building's electrical ground for safety and ESD protection.
The shipping box includes 4 pcs #6-1/2" black counter sunk Philips screws to attach the panel to the back-box in 4 locations as indicated in Figure 1. Make sure no part of the wiring is pinched between the device and the back box, that the wiring is not kinked, and also that no part of the device PCB makes contact with any part of the metallic back-box when the panel is screwed to the back box.

WIRING:

NPC2D products can operate at 100Mbps and should be wired using CAT5 or higher specification Ethernet cable plugged into the RJ45 connector on the back of the device. Leave sufficient cable to allow the device to be removed from the back-box without unplugging the Ethernet cable to allow access to the "Factory Config" button and to observe the LEDs on the RJ45 connector on the back of the device. Many installers prefer to install an RJ-45 punch down receptacle in the backbox and use a short jumper between the NPC2D & building wiring to simplify installation.
The (2) ports on the front of the device are either Male or Female 5 pin XLR connectors. Generally it is intended that Male receptacles receive DMX, and Female receptacles transmit DMX. However, your device is software configurable and either port can be used.

POWER:

The NPC2D is powered by 802.3af Power over Ethernet that has to be provided by the Ethernet switch or a mid-span power injector. Leviton offers several mid-spans which can be used to power these devices, part numbers M3001-1UB for a (1) port unit, M3006 for a (6) port unit, or M3024 for a (24) port unit.

INDICATORS:

The RJ45 receptacle on the back of the device is equipped with 2 LEDs for Ethernet status indication:

• Green LED is the Link indicator and should be on solid when a link connection is established with the switch.
• Amber LED is the Activity indicator will blink every time an Ethernet frame is sent or received.
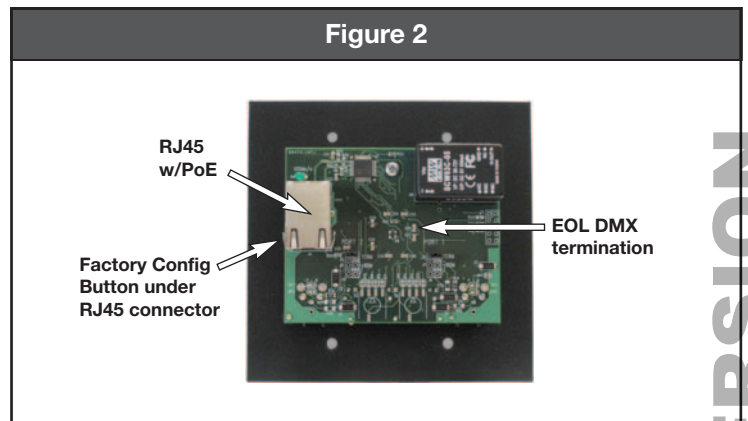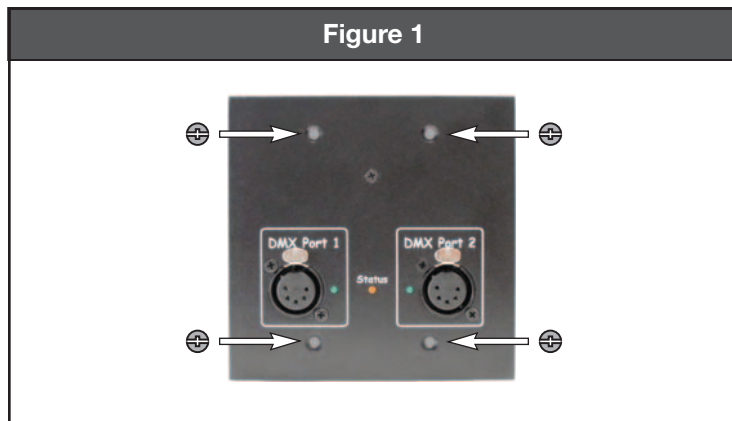
EOL DMX TERMINATION:

End of Line DMX termination jumpers for each DMX port on the back of the device. Ports transmitting DMX should have the jumper disabled. Ports receiving DMX should have the jumper enabled if they are the last DMX device receiving device in a DMX cabling system. See Figure 2 for location.

FACTORY CONFIG BUTTON:

A button to load factory configuration settings is located on the back of the PCB, under the RJ45 connector. Refer to the User Guide for functionality and operation of this button before use. See Figure 2 for location.

CONFIGURATION:

For configuration, please reference the NPC Device Browser configuration utility and user's guide which can be found at http://www.Leviton.com/NPC.

Figure 1

Figure 2

RJ45 w/PoE

Factory Config Button under RJ45 connector

EOL DMX termination

For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only)
www.leviton.com

WEB VERSION