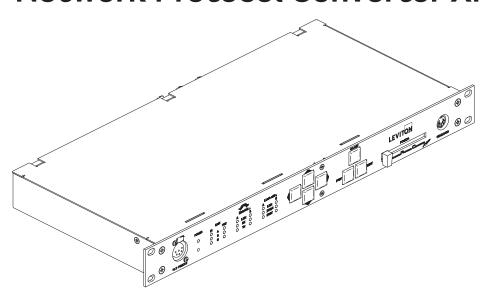**LEVITON**®

Network Protocol Convertor XP

APPLICATION

The Network Protocol Converter, NPC, by Leviton's Lighting Control Division provides exceptional convenience and flexibility as an interface for remote devices, displays, and networking of theatrical and architectural control devices. The NPC is installed as a node on an Ethernet network communicating using the ColorNet 2.0 and TCP/IP protocols. The NPC when combined with other network devices supporting the ColorNetTM 2.0 system allows for the following devices to communicate over the ColorNet network:

- ColorNetTM 2.0 Enabled Control Consoles (Innovator)
- i Series Dimmer Rack Network Connectivity
- Control Console Hand Held Remote
- Dimensions D8000 and D4200 Architectural Control Stations (through Luma-Net III)

FUNCTIONS

- Dual Remote Video Display (Console & Dimmers)
- Simple Universe-Based DMX patching
- DMX Patching (Channel by Channel)
- Advanced Signal Routing and Control Rack Mount Unit
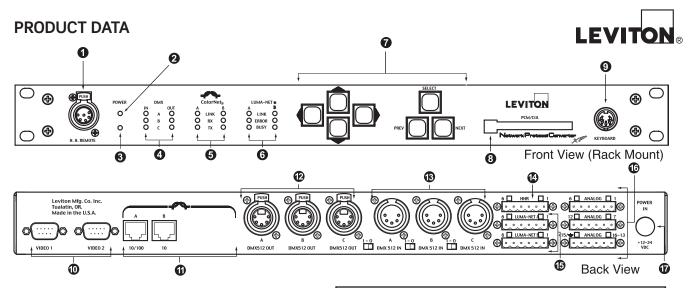- Analog Input Control (0-10 VDC & Contact Closure)

Imagine all of these devices effortlessly communicating over a standard Ethernet network! Installations which can benefit from the use of an NPC XP are those where a variety of control sources, destinations, and remote video display requirements exist. The NPC XP is a tool for the distribution and management of this complex lighting control information.

SOFTWARE FEATURE LIST

- DMX$\leftarrow\rightarrow$ColorNet Patching
- Luma-Net$\leftarrow\rightarrow$ColorNet Patching
- Luma-Net$\leftarrow\rightarrow$DMX Patching
- ColorNet$\leftarrow\rightarrow$i Series Dimmer Rack Patching
- Video Display Selection
- Remote Configuration via Telnet
- FTP for System Upgrades
- Room Separate/Combine Functions
- Remote Console Video Display
- Remote i Series Feedback Display
- 0-10 VDC and contact closure analog input management

TYPICAL APPLICATIONS

- Theaters
- DMX Distribution over Ethernet
- Houses of Worship
- Remote Console Display over Ethernet
- Performing Arts Centers
- Luma-Net Conversion to DMX (through ColorNet)
- Advanced ColorNet Patching
- Stage Manager's Panels
- Multiple signal transmission and multiplexing over a single affordable cable
- Photocell, Occupancy Sensor, limit switch integration
- Convention Centers

Network Protocol Convertor XP

Leviton Mfg. Co., Inc. Lighting Management Systems

PRODUCT DATA

Front View (Rack Mount)

Back View

Network Protocol Convertor XP

CALLOUT DESCRIPTIONS
1) Hand Held Remote Port
2) Power Indicator
3) Reset Switch Hole
4) DMX512 Indicators
5) ColorNet Indicators
6) Luma-Net Indicators
7) Navigation & Operations Buttons
8) Memory Card
9) Keyboard Port
10) Video Ports
11) ColorNet Network Connectivity
12) DMX512 Output Ports
13) DMX512 Input Ports
14) Hand Held Remote Hardwired Port
15) Luma-Net Port(s)
16) Analog Inputs
17) Power Input

PHYSICAL CONNECTIONS

	Qty	Termination
Network	2	RJ45
DMX Inputs	3	5 Pin XLR
DMX Outputs	3	5 Pin XLR
Luma-Net	2	Screw Terminal
Analog Inputs	16	Screw Terminal
Video Display	2	HD15
Hand Held Remote	1	6 Pin XLR or Terminals
Memory Card	1	Card Slot
Keyboard	1	5 Pin DIN (AT)
Power	1	

INSTALLATION CHECKLIST
✓ +12-24 VDC Power (see applications guide)
✓ Connection to Network (not required for all applications)
✓ Network Hub and Related Networking Equipment
✓ Optional Connections to Other Leviton Control Equipment

PHYSICAL DATA

	english (in)	metric (cm)
Width (Desktop)	17.56	44.57
Width (Rack Mount)	19.00	48.26
Depth	8.45	21.46
Height	1.75	4.45
Rack Spaces	1	1
Weight	7.5 lbs	2.4 kg
Power Supply*	2.5A, 12 VDC	
Operating Temps	32° to 104° F	0° to 40° C

CAT. NO.	DESCRIPTION
NP0XP-00R	NPC XP Rack Mount
NP0XP-00D	NPC XP Desktop
ACCESSORIES	
7-2091	17" Black VGA CRT
TFT TAMON-F15	15" Black Flatscreen
TAKBB-STD	Keyboard, Full Size (Black)
TAKBB-MNI	Keyboard, Mini (Black)
4-0306	PCMCIA Memory Card

*The power supply furnished with this device is a 12V 2.5A supply fed by +100-240 VAC. The NPC itself uses 1.0A **excluding** any devices on the Luma-Net ports or on the analog ports. Use the optional high current external supply when greater power requirements exist. Please consult the application guide for additional information. US Patents # 5668537, 6020825, & 6930455

LEVITON SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

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