

OVERVIEW

The nLight **nEPP5 D KO** Series power pack is a combination latching relay and bus power supply with optional 0-10 VDC dimming and current monitoring features. The linear enclosure features a 1/2" chase nipple for use in mounting to a luminaire or junction box knockout. The power pack's two RJ-45 connectors are located in either end making control wiring with standard CAT-5e cabling easy and clean.

FEATURES

- Communicates w/ nLight Network
- Self-Contained Relay Switches Line Voltage Load
- Measures & reports current through relay to Sensorview (IM version)
- Supplies 30mA of Bus Pwr / RJ-45 port
- Remotely Configurable/Upgradeable
- Push-Button Programmable
- Configurable Relay Logic

SPECIFICATIONS

Size:	(not including 1/2" chase nipple) 1.04" H x 1.16" W x 9.50" D (2.64 cm x 2.95 cm x 24.13 cm)
Weight:	6 oz.
Mounting:	1/2" knockout
Color:	White
nLight Network Ports:	2 RJ-45
Operating Voltage:	120/277 (single phase)
Relay Load:	800 W @ 120 VAC, 1200 W @ 277 VAC, 1A @ 24 VAC/VDC
Inrush Current:	80 Amps (max) ¹
Bus Output Volt./Current:	15 VDC, 30mA / port
Motor Load:	1/2 HP
Dimming Load:	Sinks < 20mA (0-10 VDC LED Drivers / Ballasts)
Wires:	18 AWG (2), 20 AWG (2)

ROHS Compliant

Warranty

Five-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

AcuityControls

nLight®

nEPP5 D KO
Linear Power / Relay Packs



ORDERING INFORMATION

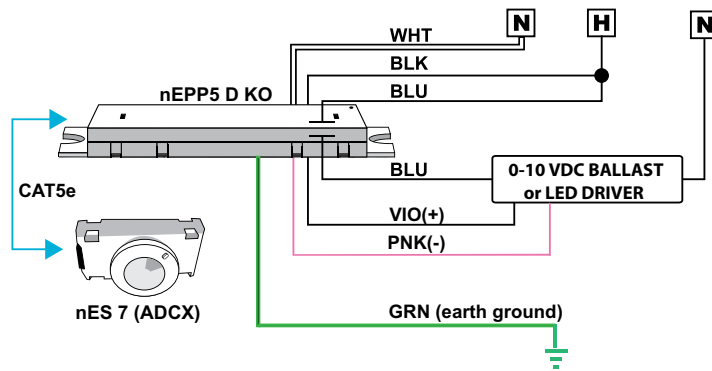
nEPP5 D KO		Example: nEPP5 D IM KO	
Series	Current Monitoring	Enclosure / Mounting	Temp/humidity
nEPP5 D Linear Power / Relay Packs	[blank] None IM Current monitoring	KO Chase Nipple Mounting	[blank] Standard LT Low temp

Notes:

1. Extremely high inrush current (often found in LED drivers/fixtures) can damage this device; do not switch loads that exceed 80 Amps of inrush current. For applications exceeding this specification the nPP16 D relay/dimming pack is recommended.

WIRING (DO NOT WIRE HOT)

The CAT-5e connections on a **nEPP5 D KO** can be used to connect to any nLight-enabled device. Connection to the **nES 7 ADCX** embedded micro sensor is shown. T568B pin/pair assignment is recommended for all CAT-5e cables.



*0-10V Dimming Common may be pink or as otherwise indicated per section 410.69 of the 2020 NEC.

OPERATIONAL SETTINGS

Several operational settings for the nEPP5 D are available:

- Override (On/Off/Normal)
- Occupancy Tracking (Enable/Disable)
- Photocell Tracking (Enable/Disable)
- Switch Tracking (Enable/Disable)
- Local Occupancy Tracking Channel (1-16)
- Local Photocell Tracking Channel (1-16)
- Local Switch Tracking Channel (1-16)
- Global Tracking (Enable/Disable)
- Global Tracking Channel (1-128)
- Start to High (Enable/Disable)
- LED (Override On/Override Off/Normal)
- Special Modes: Manual On to Auto Off, Auto to (Timed), Override On, Manual to (Timed) Override On, Manual On to Full Auto, Predictive Off
- Button Mode (Enable/Disable)
- Invert Relay Logic (Enable/Disable)
- Follow Photocell Mode (Enable/Disable)