

**OVERVIEW**

The nLight nPP16 IM EFP series power pack adds current monitoring to the standard nLight nPP16 EFP series power / relay pack. The nPP16 IM EFP family is capable of switching loads via an internal latching relay designed with robust protection from the harsh switching requirements of T5 fluorescent and LED loads. These power packs also provide nLight system bus power - up to 40mA from each of its two RJ-45 ports - by transforming Class 1 line voltage (120-277 VAC on the nPP16 IM EFP) to Class 2 low voltage (15 VDC). This power is typically utilized by other nLight devices within the power pack's local control zone; however, remaining power is also made available over the network for Bridges and devices in other zones to utilize.

**FEATURES**

- Communicates w/ nLight Network
- Self-Contained Relay Switches Line Voltage Load
- Measures & Reports Current through Relay to SensorView and SensorView GreenScreen software
- Supplies 40 mA of Bus Power/RJ-45 port
- Remotely Configurable/Upgradeable
- Push-Button Programmable
- Configurable Relay Logic
- Extended Chase Nipple
- Plenum rated
- Includes fuse integrated to relay wirelead for protection from load faults
- Meets NEMA410 ratings for LED/electronic ballast inrush

**Warranty**

Five-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/support/customer-support/terms-and-conditions](http://www.acuitybrands.com/support/customer-support/terms-and-conditions)

**Note:** Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.



*nPP16 IM EFP  
Current-Monitoring  
Power/ Relay Pack*



**A+ Capable**

This item is an A+ capable component, which has been designed and tested to provide out-of-the-box luminaire compatibility with simple commissioning, when included as part of an A+ Certified™ Solution.

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

**ORDERING INFORMATION**

| nPP16 IM  |                                    | Example: nPP16 IM EFP |                  |
|---|------------------------------------|-----------------------|------------------|
| Series  | Fault Protection                   | Temp/humidity         |                  |
| nPP16 IM      Current-Monitoring Power/Relay Pack | EFP      External Fault Protection | [blank]      Standard | LT      Low temp |

| ACCESSORIES  |                            |
|--------------|----------------------------|
| NPP FUSE J10 | Replacement Fuse (10 Pack) |

## SPECIFICATIONS

|                      |   |  |
|----------------------|---|--|
| <b>Electrical</b>    | <b>Input Ratings</b>                    | 120-277VAC, 50/60 Hz   |
|                      | <b>Output Ratings</b>                   | 120-277VAC, 50/60 Hz, 16A - Tungsten, Standard Ballast, Electronic Ballast, General Purpose<br>120VAC, 50/60 Hz, 1/2 HP - Motor<br>SCCR: 5KA                     |
|                      | <b>Relay Type</b>                       | Latching   |
|                      | <b>Current Monitoring</b>               | Devices are factory calibrated to ensure current monitoring accuracy of +/- 5% (assuming a standard load with a high power factor)                               |
|                      | <b>Low Voltage Output Ratings</b>       | 15VDC, 40mA per RJ-45 Port (80mA total)  |
|                      | <b>Standards/ Ratings</b>               | Energy Management Equipment, UL916 (E167435)   |
| <b>Mechanical</b>    | <b>Dimensions</b>                       | 3.38"H x 2.53"W x 1.83"D (86mm x 64mm x 47mm) - does not include 1/2" chase nipple   |
|                      | <b>Mounting</b>                         | 1/2" Knockout (7/8" hole)  |
|                      | <b>Color</b>                            | White  |
|                      | <b>Connection Type</b>                  | RJ-45 nLight Network Ports (2), Line Voltage Leads   |
| <b>Environmental</b> | <b>Warrantied Operating Temperature</b> | Standard: 14°F to 122°F (-10°C to 50°C)<br>Standard: 14°F to 113°F (-10°C to 45°C) if enclosed within a junction box<br>LT option: -4°F to 122°F (-20°C to 50°C) |
|                      | <b>Relative Humidity</b>                | Up to 90%, Non-Condensing  |
|                      | <b>Standards/ Ratings</b>               | RoHS, Plenum UL2043  |
| <b>General</b>       | <b>Standards/ Ratings</b>               | System Component to aid in compliance with Title 24, ASHRAE 90.1, IECC   |

## WIRING

T568B pin/pair assignment is recommended for all CAT-5e cables. For Supply Connections, use 14 AWG or larger wires rated for at least 90° C.

NOTE:

Black wire is 120-277VAC on nPP16 IM EFP.

