

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

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.

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

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

