



DESCRIPTION

The NetPower NPM115 is a 15W single port, Power over Ethernet (PoE) midspan injector designed for access control and security industry applications.

The NPM115 provides power and passes data (e.g. video or lock control data) for PoE compliant devices. The NPM115 complies with IEEE802.3af standard and provides up to 15.4W power to PoE compliant Powered Device (PD) such as IP cameras or door control devices.

The NPM115 utilizes 24V AC or DC power from LifeSafety Power's FPO series power systems, or alternatively, from AC power mains through a 24V AC Class 2 wall adapter or existing CCTV power source.

BENEFITS

- Operates from low voltage 24V AC or 24V DC input
- Reset feature allows PoE shutdown
- Battery backup capability
- 15.4W IEEE 802.3af, Listed to UL294B
- Data rate 10/100/1000 BASE-T compliant
- Visual diagnostics by on board LED

FEATURES

- Listed for CCTV, Access Control
- This module may be used to power DC IP cameras, PTZ, heaters, access control door controllers, and other similar PoE equipment
- Operates off 24V AC or DC input or 120V AC with optional 24V AC wall transformer (24V AC / 60VA typical)
- **Reliability+** Fiberglass PCBs for improved environmental protection
- **GreenSmart** RoHS, Lead-free manufacturing compliant
- Ten year warranty

ELECTRICAL RATINGS

Parameter	Rating
Input Voltage	24V AC or 24V DC ± 15%
Input Current	1.4 Amps
Output Voltage	50V DC
Output Current	300mA
Shutdown Terminals	5 to 24V DC, 10mA max
Input Reverse Polarity	Protected
Output Overload	Protected
Output Short-circuit	Protected
Output Over-voltage	Protected
Port Status Indicator	Green LED
Data Cable Length	100m (328 feet) max
Data Rate	10/100 Base - T
Non PoE Device Detection	Detected and Protected
ESD Immunity	8kV
PoE pin Assignment (RJ45)	Positive(VCC+): Pins 4,5 Negative(VCC-): Pins 7,8 Data: Pins 1,2,3,6
Operating Ambient Temperature	0 to 49 °C, indoor use only
Storage temperature	-20 to +70 °C
Operating humidity:	5% to 95% (Non-condensing)

AGENCY LISTINGS

USA

UL 294B

Standards for Access Control System Units, 5th Edition UL Subject 294B

Outline of Investigation for Power over Ethernet (PoE)

UL/CUL 60950-1

IEEE802.3at

CANADA

CSA C22.2 No.205-M1983, Signal Equipment

CE

RoHS Compliance

The product shall be compliant with the European Union's Restriction of Hazardous Substances Directive (RoHS)

NETPOWER FEATURES

Reliability+ All boards within the NetPower system feature fiberglass PC boards to protect the electronics from water, dust, and other corrosive elements found in industrial settings.

GreenSmart All members of the NetPower family are RoHs compliant, lead-free, and meet the latest state, federal and European requirements for energy efficiency.

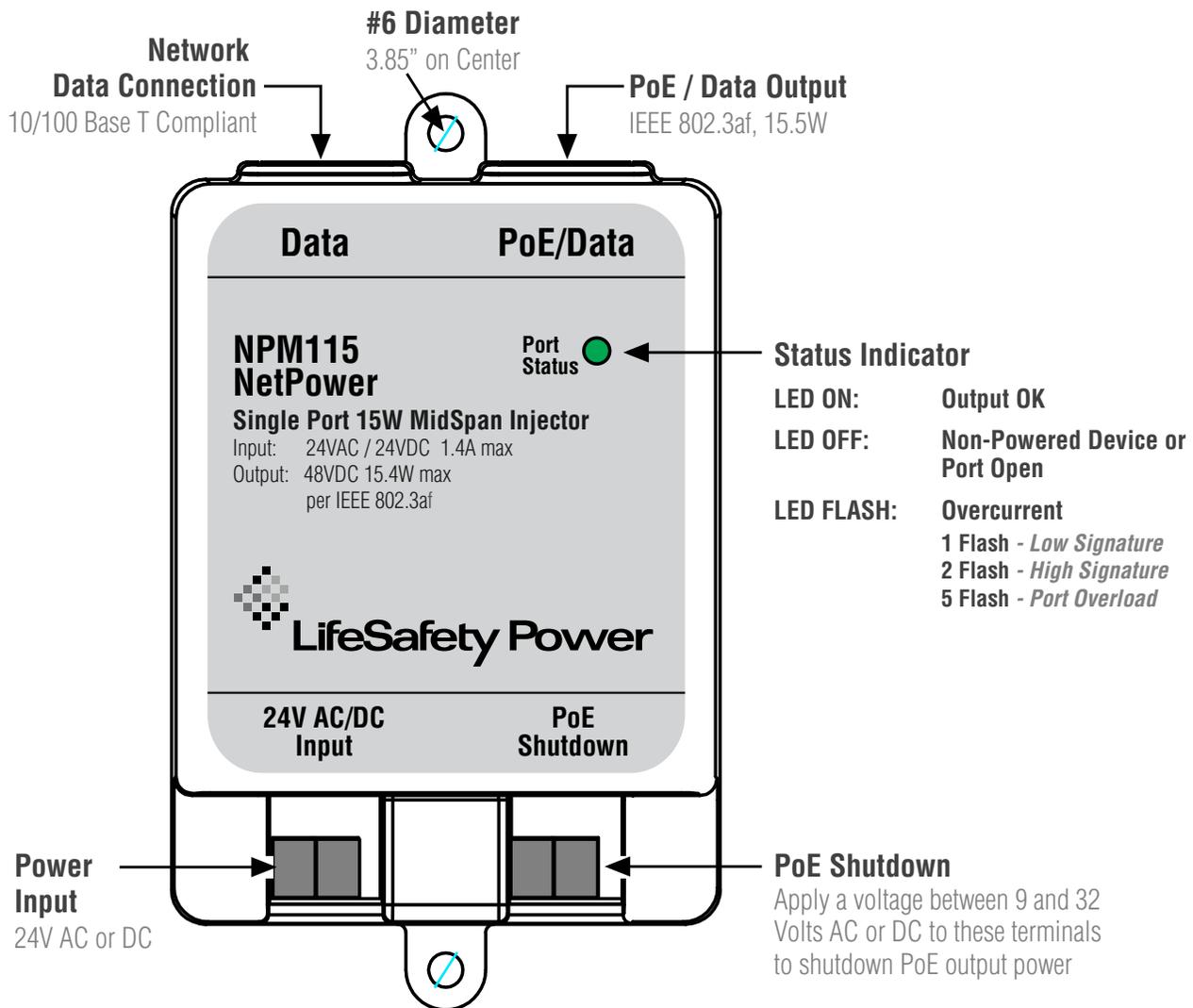
Expansion This module is typically part of an existing system or purchased to expand an existing system.

Flexibility This module may be used to power DC IP cameras, access control door controllers, and other similar PoE equipment. See the instruction manual or application notes for more information.

ORDERING

Model No.	Order No	Mechanical Information
NPM115	A10-001	Size: 4.2" x 2.5" x 1.2" Weight: .15 lb.
NPM115DR (Din Rail)	A10-003	Size: 4.2" x 2.5" x 1.2" Weight: .19 lb.

INSTALLATION DIAGRAM



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Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. LifeSafety Power makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. LifeSafety Power's only obligations are those in the LifeSafety Power Standard Terms and Conditions of Sale for this product, and in no case will LifeSafety Power or its distributors be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. In addition, LifeSafety Power reserves the right to make changes—without notification to Buyer—to processing or materials that do not affect compliance with any applicable specification.