

# 24W Explosion Proof POE Injector - Adds Power Over Ethernet Functionality to Cameras - 48V - 0.5 Amp

## INSTALLATION OPERATION

Thank you for your purchase of the Larson Electronics EXP-IP-POE-INJ-48V-24W.

### **WARNING:**

**READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

#### **CRITICAL SAFETY INSTRUCTIONS:**

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRES ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE RATED LUMINAIRE FIXTURES VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

The EXP-IP-POE-INJ-48V-24W from Larson Electronics is an Explosion Proof POE Injector that allows operators to add POE (Power over Ethernet) functionality to explosion proof cameras and sensors. POE functionality adds flexibility, safety, reliability and scalability to camera systems as well as saving both time and money.

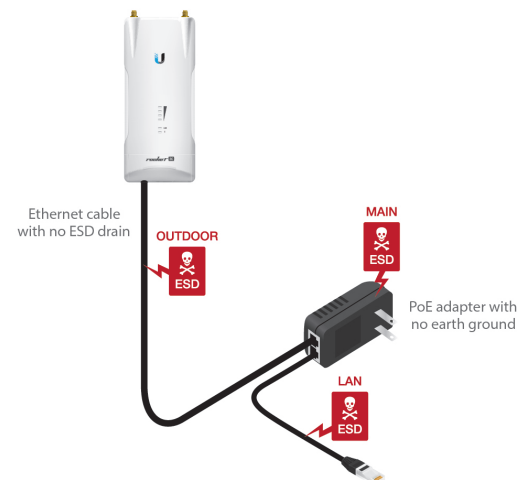
The EXP-IP-POE-INJ-48V-24W is a 24V POE Injector that is rated for devices that draw up to 1 amp. This POE injector features an explosion proof enclosure that is Class I, Divisions 1 & 2, Groups A, B, C, D, Class I, Zones 1 & 2, Groups IIB+H2, IIA, Class II, Divisions 1 & 2, Groups E, F, G and Class III Divisions 1 & 2 rated for hazardous areas and is listed for use worldwide including the United States, Canada, Europe and Asia.

Operators simply run Ethernet cable into one side of the EXP-IP-POE-INJ-48V-24W and back out the other. The POE injector receives power from a 10' cord with a choice of explosion proof plugs that runs from the bottom of the enclosure with your select plug option when you ordered.

## Wiring & Plug:

This explosion proof POE Injector is equipped with 10 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an explosion proof cord cap for easy connection to explosion proof outlets. Plug options include a 5-15 15 amp straight blade plug for use with 120V explosion proof outlets, a 5-20 20 amp straight blade plug for use with 120V explosion proof outlets, or a 6-20 20 amp straight blade plug for use with 220-240V explosion proof outlets. **\*\*PLEASE NOTE\*\*** voltage ratings on plugs and outlets are MAXIMUM voltage. For low voltage applications, proper voltage must be applied to the outlet or damage to the light fixture will occur.

Potential for ESD



Areas vulnerable to ESD events in a network without a Ubiquiti PoE Adapter.

## Specifications

Model	EXP-IP-POE-INJ-48V-24W
Dimensions	92 x 60 x 33 mm (3.62 x 2.36 x 1.30")
Weight	158.5 g (5.59 oz)
Output Voltage	48VDC @ 0.5A
LAN Activity Indicator	No
Gigabit LAN Port	Yes
Remote Reset Capability	No
Reset Button	No
Rated Voltage	100-240VAC @ 50/60Hz
Input Current	0.6A @ 120VAC, 0.4A @ 240VAC
Inrush Current	<65A Peak @ 120VAC, <130A Peak @ 230VAC
Efficiency	80+%
Output Ripple	1% Max.
Switching Frequency	65 kHz
Line Regulation	≤ 3%
Load Regulation	≤ 5%
2-Pair Powering	Pins 4, 5 (+) and Pins 7, 8 (-)
4-Pair Powering	-
Operating Temperature	0 to 40 °C (32 to 104 °F)
Storage Temperature	-30 to 70 °C (-22 to 158 °F)
Operating Humidity	35 to 95% Noncondensing
AC Connector	IEC-320 C6
Data IN / POE	RJ45 Shielded Socket
Surge Protection	Difference and Common Mode
Clamping Protection	11V Data, 60V Power
Max. Surge Discharge	1500A (8/20 μs) Power
Peak Pulse Current	36A (10/1000 μs) Data
Shunt Capacitance	<5 pF data
Response Time	<1 ns
Certifications	CE, FCC, IC, UL

### WARNING:

**USER SHOULD BE TRAINED IN THE PROPER USE AND MAINTENANCE OF THIS DEVICE.** THIS LINE CORD IS INTENDED TO ALLOW OPERATORS TO EXTEND POWER TO EQUIPMENT WHEN STATIONARY OUTLETS ARE NOT READILY AVAILABLE.

**IMPROPER USE OF THIS CORD, PLUG, AND RECEPTACLE CAN LEAD TO SERIOUS INJURIES OR DEATH TO PERSONNEL.**

### PERIODIC INSPECTION OF THE CORD IS NECESSARY.

THE CORD MUST BE ROUTINELY CHECKED FOR CUTS, BREAKS, OR ANY SEVERE ABRASIONS, AND IF ANY ARE FOUND, THE CORD MUST BE REPLACED BEFORE RESUMING USE.