Explosion Proof Power Supply
90-305V AC Input - 15-30V DC Output - 42 Watts
Instruction Manual

Thank you for your purchase of the Larson Electronics EPL-TX-3.5A-12V Explosion Proof Power Supply. Please follow the steps below in order to operate and maintain this product.

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
THE EPL-TX-3.5A-12V MUST BE OPERATED IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE AND ALL APPLICABLE LOCAL CODES. PROPER GROUNDING IS REQUIRED FOR SAFETY.
FOR PERSONAL SAFETY, ALWAYS CONFIRM THE RATING OF ANY KNOWN HAZARDOUS OR POTENTIALLY HAZARDOUS LOCATION WHERE THE LIGHT IS TO BE USED.

WARNING: TO PREVENT IGNITION OF A HAZARDOUS ATMOSPHERE, THE SUPPLY CIRCUIT SHOULD BE DISCONNECTED WHEN INSTALLING OR PERFORMING ANY MAINTENANCE ON THIS UNIT.

WARNING: OPERATE THIS FIXTURE ONLY AT THE VOLTAGE OF YOUR SPECIFIC SUPPLY CIRCUIT. FAILURE TO DO SO WILL RESULT IN DAMAGE TO THE FIXTURE.
WARNING: SUBSTITUTE COMPONENTS MAY IMPAIR EXPLOSION PROOF SAFETY.

INSTALLATION

- Unpack enclosure.
- To remove cover, remove screws surrounding it.
- Run wire through EYS and cord grips.
- Make electrical connections following all state, local, NEC codes and all protocols for the hazardous area. See labels attached to wiring.
- Replace cover. Make sure there are no loose or pinched wires when closing cover.
- Replace and tighten all screws removed before.

MAINTENANCE

Electrical and mechanical inspection of all components must be performed on a regularly scheduled basic, determined by the environment and frequency of use. It is recommended that inspection be performed a minimum of once a year.

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-800-369-6671 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.

EYS INSTALLATION / SEALING COMPOUND

HAZARD WARNINGS: May cause irritation to eyes and skin. Inhalation dust is considered a nuisance dust. Avoid physical contact by wearing appropriate gloves and dust goggles. If powder gets into eyes, flood immediately for 15 minutes with water. Wash hand thoroughly with soap and water after handling

Mix 2 parts Sealing Compound to 1 part clean water. Mix thoroughly. Do not mix more than can be used in 15 minutes. Use cold water as warm water accelerates set.

Vertical Installation:
Seal fitting is installed with the small access plug in the up position. Both access plugs are removed after conductors are installed. Damming fiber is installed through the lower access port into the lower portion of the fitting body. Care must be taken to insure the fiber fills all voids around each conductor, as well as between conductors and the wall of the seal fitting body. Replace the lower (large) access plug. Mix compound according to manufacturer instructions and pour through the upper (smaller) access port until compound reaches the base of the access port threads. Replace remaining plug in upper access port. Both plugs are to be made up with five threads engaged and wrench tight.

Horizontal Installation:
Seal body is installed with both access plugs in the up position. Both access plugs are removed after conductors are installed. Damming fiber is installed through the large access port into both ends of the seal fitting body to allow sealing compound to flow to the required thickness (Table A). Care must be taken to insure the fiber fills all voids around each conductor, as well as between conductors and the wall of the seal body.

Replace the small access port plug. Mix compound according to manufacturer instructions and pour through the large access port until compound reaches the base of the access port threads. Replace large plug. Both plugs are to be made up with five threads engaged and wrench tight.

Class I Group A & B Installations:

Vertical Installation:
Sealing compound is to be mixed at ambient temperature above 40°f. / 4°c. and poured into fitting with body temperature not below 40°f. / 4°c. Ambient temperature (of fitting) must not drop below 40°f. / 4°c. for 72 hours. Compound must cure for 72 hours before circuits are placed into service.

Horizontal Installation:
Sealing compound is to be mixed at room temperature, and poured into fitting at room temperature. Ambient temperature of fitting must remain at room temperature for 72 hours. Compound must cure for 72 hours before circuits are placed into service.

Class I Group C & D Installations:
Sealing compound is to be mixed at ambient temperature above 35°f. / 2°c. and poured into fitting with body temperature not below 35°f. / 2°c. Ambient temperature (of fitting) must not drop below 35°f. / 2°c. for 8 hours. Compound must cure for 8 hours before circuits are placed into service.