



I. Installation & Maintenance - EPL-PL-LED-24V

I. Barrel Assemblies

1. Determine whether panel or surface mounting will be used.
2. Prepare explosion proof junction box with drilled and tapped openings at planned locations for each barrel assembly. Centerline distances between devices should be arranged to provide sufficient spacing for electrical connections. Recommended centerline spacing between devices is 2-1/4". Depending on the quantity and type of devices to be installed, closer spacings can be arranged.
3. Remove guards, indicating plates, jewel assemblies, outer lock-nuts, etc., to enable barrels to be threaded into panel. Leave final lock-nut on barrel for surface mounting applications.
4. Thread barrel assemblies into drilled and tapped holes from behind so they protrude to the panel front.
5. Adjust length of barrel protrusion and thread inner lock-nut tightly against inside wall for surface mounting. For panel mounting, thread lock ring with set screw tight to outside of threaded wall, then tighten screw.
6. Replace guards, indicating plates, jewel assemblies, outer lock-nuts, etc. The panel is now ready for installation and wiring connection.

II. Panel Mounted Enclosures

1. Prepare panel surface and locate the holes for the barrel assemblies as follows:
 - Single Gang - 1-1/8" diameter holes on 1-5/8" centers.
 - Two Gang - Two 1-1/8" diameter holes on 1-5/8" centers.
 - Three Gang - Three 1-1/8" diameter holes on 1-5/8" centers.

NOTE: Maximum panel thickness - 3/4"

2. Remove guards, jewel assemblies, outer lock-nuts and indicating plates as required, the enable barrels to protrude through holes in panel.
3. Place the barrel assemblies through the drilled holes from the rear of the panel. Replace the guards, indicating plates, jewel assemblies and outer lock-nuts.
4. Adjust the position of the barrel assembly and secure by tightening lock-nut and set screw. Bonding and grounding of the conduit and equipment is required by the National Electric Code. When more than one conduit enter an enclosure, ground continuity between conduits must be maintained through proper bonding. A grounding conductor, if used, must be connected to the conduit bonding system. Use wire type and size as required by NEC and any other applicable standards.



II. Installation Continued

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5. Install conduit runs and sealing fittings to comply with the requirements in the latest edition of the NEC, Section 501-5 and any other applicable standards as required. **NOTE:** Enclosure with pilot lights only are factory sealed. Enclosures with push-buttons and/or selector switches require external seals.

6. Remove rear access door, pull wires and connect devices.



III. Maintenance

I. Maintenance

1. Regular inspections should be made. A schedule for maintenance check should be determined by the environment and frequency of use. It is recommended that it should be at least once a year.

2. Perform visual, electrical, and mechanical checks on all components on a regular basis.

- Electrical check to make sure that all connections are clean and tight, and that contacts in the components make or break as required.
- Mechanically check that all parts are properly assembled, and operating mechanisms move freely.
- Replacement switches are available from your local distributor.

3. We recommend an Electrical Preventive Maintenance program as described in the National Fire Protection Association Bulletin NFPA No. 70B.

II. Re-lamping

1. Shut off the power to the device being relamped.

2. Remove guard and lens assembly for access to lamp.

3. Remove old lamp and replace with a new one per description under “Electrical Ratings” section of this instruction manual.

4. Replace lens and guard assembly and restore power to the device.



IV. Safety Ratings and Warnings

I. Warnings

WARNING: Power must be OFF before and during installation and maintenance.

WARNING: Risk of fire - Lamps are hot. Keep combustible material away from the hot parts. Observe lamp manufacturer's warnings, recommendations and restrictions on lamp operation and maintenance. Make sure lamps are correctly installed.

DO NOT use this electrical equipment for anything other than its intended use.

The use of accessory equipment is not recommended by the manufacturer and will void product listing and warranty, and may cause unsafe conditions.

Any service on this equipment should be performed by qualified personnel only.

Make sure to **always** check the voltage on the fixtures nameplate before use.

Inspect thoroughly before each use. **DO NOT** use if damaged.

II. Ratings/Approvals

Class I, Divisions 1 & 2, Groups B,C,D
 Class I, Zones 1 & 2 Groups IIB,IIA
 Class II, Division 1 & 2 Groups E,F,G
 Class III
 NEMA 3, 4, 4X, 7 (BCD), 9 (EFG)

II. Options

Lens Color:

- Red
- Green
- Amber
- Blue
- White
- White Frosted