



## MJ-1220&MJ-1240 Installation Instruction for Outdoor Locations

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### INSTALLATION GUIDE FOR MJ-1220 & MJ-1240

Before using power units please carefully READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

1. Read and follow all instructions that are on the product or provided with the product.
2. For a cord-connected or direct plug-in power unit, do not use an extension cord.
3. Reference the National Electrical Code, ANSI/NFPA 70, specifically for the installation of wiring and clearances from power and lighting conductors.
4. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.
5. For a cord-connected or direct plug-in power unit, do not install or use within 10 feet of a pool.
6. For a cord-connected or direct plug-in unit, do not use in a bathroom.
7. **WARNING: Risk of Electric Shock.** When used outdoors, install only to a covered Class A GFCI protected receptacle that is weatherproof with the power unit connected to the receptacle. If one is not provided, contact a qualified electrician for proper installation. Ensure that the power unit and cord do not interfere with completely closing the receptacle cover.

8. For a permanently connected power unit

**WARNING: Risk of Electric Shock.** When used outdoors, install only on a circuit protected by a Class A GFCI.

9. **WARNING: Risk of Fire.** Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician.

10. For a unit intended to be mounted greater than 0.30 m (1 foot) from the ground surface:

**WARNING: Risk of Electric Shock.** Mount the unit at a height greater than 1 foot from the ground surface.

11. This power supplies have a single output that complies with Class2 output requirements.

The maximum rated output power for MJ-1220 is 20 Watts, for MJ-1240 is 40 watts.

Power supply spacing to other heat producing components shall be minimum 4 inches when minimum spacing to sidewalls and top of enclosure is kept at minimum 2 inches.

12. All power supplies can be used in indoor locations.

- a) When junction box is not provided:

AC input:

Conduit fittings shall be used; UL listed threaded on to power supply bracket, liquid tight, metallic, provided for connection to the AC circuit.

The use of a UL listed junction box suit able for use in wet locations is required.

DC output:

Output cord must be rated and marked PLTC or CL3R or Sun Resistant! DC output wires splicing must be done inside of liquid tight enclosure or Using liquid tight terminals and leads are rated and marked PLTC or CL3r or Sun Resistant!

- b) When junction box is provided

AC input:

Conduit fittings shall be used; UL listed, threaded on to power supply,

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Liquid tight, metallic, provided for connection to the AC circuit.

DC output:

Output cord must be rated and marked PLTC or CL3R or Sun Resistant!

Any unused threaded conduit opening on power supply must be covered with a UL listed metallic conduit cap.

Disclaimer:

All above installation methods are recommended by manufacturer.

All installation shall follow and comply with local NEC regulations.

