

Pro LED 220A & 220AMAG Owner's Manual



**** Warning ****

Safety warnings for installers and operators

- Use of a warning light does not guarantee that other drivers will give you the right of way. Always drive defensively to avoid accidents.
- Magnet mount lights are intended for temporary use on stationary vehicles. Driving with your magnet mounted light installed could result in the light flying off causing damage and/or injury. It is the operator's responsibility to make sure that the warning light is used in a safe manner.
- Always check the opposite side of the surface you're about to drill through to be sure that there are no wires or other obstacles in the way.
- Route wire cables safely away from vehicle controls.
- Place light system controls within easy reach of the operator.
- Inspect the light regularly for proper function and to be sure that it is securely in place.
- Clean your warning lights frequently with mild soap and water to ensure maximum visibility.

Power Requirements

220 series warning lights operate in a range of 10 to 30 volts DC with a negative ground and require 0.50 amperes input current @ 12.8 volts DC. No manual voltage switching is required.

Installation and Operation

220A – The permanent mount warning light includes a mounting gasket and stainless steel mounting hardware.

1. Install a switch within easy reach of the operating position.
2. Position the light as high on your vehicle as possible. Keep in mind the routing of the wire cable.
3. Determine the distance from the light to your power source (battery or fuse box).
4. Use 18-gauge wire for distances up to 15 feet and 16-gauge for any distance over 15 feet.
5. Route your wires from the switch to your installation location.
6. Mark the position of the 220A mounting holes on the mounting surface.
7. Remove the light and drill your three mounting holes.
8. Drill another hole for the wire pigtail, if needed. The base of the light does provide accommodation for running the pigtail out the side.
9. Connect the light's wire pigtail to your switched power source and ground.
(White wire = negative ground and red wire = 10 to 30 volts DC)
10. Secure the light with the gasket underneath using the supplied bolts, washers and nuts.
11. Finish your installation by a running wire from your switch to your power source (+). Be sure to install a 2 to 5 amp fuse link on the positive (+) wire as close to your power source as possible.

220AMAG – The magnet mount light comes completely assembled and ready for use.

1. Check the magnet suction cup for debris. Clean if necessary.
2. Place the warning light as high as possible on a metal surface of your vehicle.
3. Route the power cord to the vehicle's cigarette lighter outlet.
4. **See Fuse Replacement** below if the light does not function when plugged into the outlet.

Fuse Replacement – The cigarette lighter adapter of the 220AMAG includes a fuse for protection against short circuits. Be sure to check this fuse if your warning light is not functioning. Follow the steps below.

1. Unscrew the tip on the end of the adapter that pushes into the cigarette lighter.
2. Remove the plastic cap, steel fuse cap, fuse, and tension spring.
3. Replace the fuse if needed (Fuse # 2A250V)
4. Reinstall the tension spring, fuse, steel fuse cap, and plastic adapter cap.

Warranty

Pro LED warrants the 220 series warning lights against defects in material or workmanship for a period of 1 year from the date of purchase or delivery, whichever is later. This warranty will not apply to any unit which fails as a result of operator negligence, or which has been subjected to misuse, neglect, accidents, improper installation or disassembly.

Pro LED will not recognize claims for labor charges or any consequential damages under any circumstances. Our liability is limited strictly to the repair or replacement of any light that shall prove to be defective according to our judgement.